

Form	ACO1 - Well Completion
Operator	Jaspar Co.
Well Name	BJW 5
Doc ID	1779424

All Electric Logs Run

MICRO
COMPENSATED DENSITY/NEUTRON
DUAL INDUCTION
SONIC

Form	ACO1 - Well Completion
Operator	Jaspar Co.
Well Name	BJW 5
Doc ID	1779424

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	218	COMMON	170	3%CC,2% GEL
Production	7.875	5.5	15.5	3626	COMMON	180	10%SALT, 5%gil,500 galmud flush



Scale 1:240 Imperial

Well Name: BJW #5
Surface Location: SE, SW, NW, NE, Sec. 10, T6S, R20W
Bottom Location:
API: 15-163-24499
License Number: 34903
Spud Date: 3/18/2024 Time: 2:45 AM
Region: ROOKS COUNTY
Drilling Completed: 3/24/2024 Time: 3:00 AM
Surface Coordinates: 1097' FNL & 1985' FEL
Bottom Hole Coordinates:
Ground Elevation: 2151.00ft
K.B. Elevation: 2158.00ft
Logged Interval: 3050.00ft To: 3629.00ft
Total Depth: 3629.00ft
Formation: LKC, REAGAN SAND
Drilling Fluid Type: CHEMICAL MUD

OPERATOR

Company: JASPAR CO. INC.
Address: PO BOX 1120
HAYS, KS 67601

Contact Geologist: SHANE VEHIGE
Contact Phone Nbr: 785-623-6982
Well Name: BJW #5
Location: SE, SW, NW, NE, Sec. 10, T6S, R20W
API: 15-163-24499
Pool: Field: EDGAR SOUTHWEST
State: KS Country:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.534265
Latitude: 39.550382
N/S Co-ord: 1097' FNL
E/W Co-ord: 1985' FEL

LOGGED BY

Company: KEYSTONE CONSULTING, LLC
Address: 2511 E 19TH
HAYS, KS 67601

Phone Nbr: (785) 639-0721
Logged By: Geologist Name: CAMERON BRIN

CONTRACTOR

Contractor: STP DRILLING
Rig #: 2
Rig Type: MUD ROTARY
Spud Date: 3/18/2024 Time: 2:45 AM
TD Date: 3/24/2024 Time: 3:00 AM
Rig Release: 3/25/2024 Time: 1:30 PM

ELEVATIONS

K.B. Elevation: 2158.00ft Ground Elevation: 2151.00ft
K.B. to Ground: 7.00ft

DUE TO POSTIVE RESULTS ON DST'S #1 AND #3, DECISION WAS MADE TO RUN 5 1/2" PRODUCTION CASING TO FUTHER EVALUATE THE BJW #5 WELL

FORMATION	BJW #5				BJW #1				BJW #2				BJW #3				BJW #4													
	LOG TOPS				JASPAR CO INC				JASPAR CO INC				JASPAR CO INC				JASPAR CO INC													
	SAMPLE TOPS				SE, NE, NE, NW, SEC 10-6-20				NE, NE, NW, NE, SEC 10-6-20				W2, NE, NE, NE SEC 10-6-20				SW, SE, NE, NE, SEC 10, T65, R20W													
	KB	2158	GL	2151	KB	2198		SMPL.	KB	2147		SMPL.	KB	2132		SMPL.	KB	2166												
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	LOG CORR.	SMPL. CORR.	DEPTH	DATUM	LOG CORR.	SMPL. CORR.	DEPTH	DATUM	LOG CORR.	SMPL. CORR.	DEPTH	DATUM	LOG CORR.	SMPL. CORR.										
ANHYDRITE TOP	1749	409	1753	405	1796	402	+	7	+	3			1722	410	-	1	-	5	1762	404	+	5	+	1						
BASE	1779	379	1783	375	1822	376	+	3	-	1			1752	380	-	1	-	5	1790	376	+	3	-	1						
TOPEKA	3149	-991	3150	-992	3193	-995	+	4	+	3			3141	-994	+	3	+	2	3116	-984	-	7	-	8						
HEBNER SHALE	3350	-1192	3352	-1194	3393	-1195	+	3	+	1			3342	-1195	+	3	+	1	3318	-1186	-	6	-	8						
TORONTO	3373	-1215	3374	-1216	3415	-1217	+	2	+	1			3364	-1217	+	2	+	1	3342	-1210	-	5	-	6						
LKC	3386	-1228	3387	-1229	3428	-1230	+	2	+	1			3378	-1231	+	3	+	2	3358	-1226	-	2	-	3						
BKC	3585	-1427	3585	-1427	3626	-1428	+	1	+	1			3575	-1428	+	1	+	1	3556	-1424	-	3	-	3						
GORHAM																														
REAGAN			3627	-1469	3668	-1470			+	1			3621	-1474			+	5					3648	-1482			+	13		
GRANITE WASH																														
GRANITE																			3597	-1465										
TOTAL DEPTH	3628	-1470	3629	-1471	3671	-1473	+	3	+	2			3623	-1476	+	6	+	5	3600	-1468	-	2	-	3	3644	-1478	+	8	+	7

	ANHYDRITE: SPL 1753' (+405) LOG 1749' (+409) BASE: SPL 1783' (+375) LOG 1779' (+379)
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TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		
	Jasper Company Inc P.O. Box 1120 Hays, KS 67601 ATTN: Cameron Brin	10-6-20W Rooks, KS BJW #5 Job Ticket: 71296 DST#: 1 Test Start: 2024.03.22 @ 21:41:00	

GENERAL INFORMATION:			
Formation:	LKC E-F		
Deviated:	No	Whipstock:	ft (KB)
Time Tool Opened:	23:42:15		
Time Test Ended:	03:47:45		
Interval:	3445.00 ft (KB) To 3471.00 ft (KB) (TVD)		Test Type: Conventional Bottom Hole (Initial)
Total Depth:	3471.00 ft (KB) (TVD)		Tester: Nathan Aneas
Hole Diameter:	7.88 inches		Unit No: 71
	Hole Condition: Fair	Reference Elevations:	2158.00 ft (KB)
			2151.00 ft (CF)
		KB to GR/CF:	7.00 ft

Serial #: 8353	Inside		
Press@RunDepth:	69.38 psig @	3446.00 ft (KB)	Capacity: 8000.00 psig
Start Date:	2024.03.22	End Date: 2024.03.23	Last Calib.: 2024.03.23
Start Time:	21:41:01	End Time: 03:47:45	Time On Btm: 2024.03.22 @ 23:41:30
			Time Off Btm: 2024.03.23 @ 01:53:30

TEST COMMENT: 30:IF- Fair surface blow , built to 2 1/2" in 4 min, final is BOB (10 1/2")

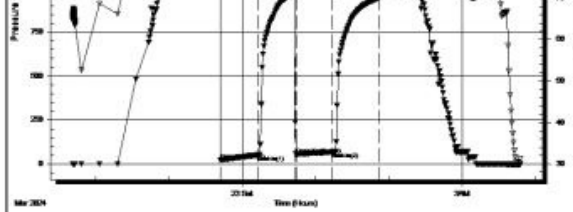
30:ISl- Weak surface blow built to 1/4" in 10 min, final is weak surface

30:FF- Fair surface blow , built to 2 3/4" in 5 min, final is 9"

30:FSl- Weak surface blow , built to 1/4" in 10 min, final died to no blow

Pressure vs. Time

PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1683.84	99.89	Initial Hydro-static
1	23.27	99.80	Open To Flow (1)
31	52.30	102.06	Shut-In(1)
62	976.39	101.52	End Shut-In(1)
63	56.23	101.61	Open To Flow (2)



92	69.38	102.65	Shut-In(2)
131	945.18	102.96	End Shut-In(2)
132	1620.45	103.29	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
119.00	GMCO 70%O 20%M 10%G	0.59
15.00	CO 100%O	0.21
0.00	GIP 63'	0.00

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

Trilobite Testing, Inc

Ref. No: 71296

Printed: 2024.03.23 @ 04:12:38

DST #2 3519'-3558' (LKC I-J)



TRILOBITE TESTING, INC

Drill Stem Test Report

Jaspar Company Inc

10-6-20W Rooks, KS

P.O. Box 1120
Hays, KS 67601

BJW #5

Job Ticket: 71297

DST#: 2

ATTN: Cameron Brin

Test Start: 2024.03.23 @ 15:06:00

GENERAL INFORMATION:

Formation: LKC I-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:30

Time Test Ended: 21:47:45

Interval: 3519.00 ft (KB) To 3558.00 ft (KB) (TVD)

Total Depth: 3558.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches -hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Reference Elevations: 2158.00 ft (KB)

2151.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8353

Inside

Press@RunDepth: 37.83 psig @ 3520.00 ft (KB)

Start Date: 2024.03.23

Start Time: 15:06:01

End Date: 2024.03.23

End Time: 21:47:45

Capacity: 8000.00 psig

Last Calib.: 2024.03.23

Time On Btm: 2024.03.23 @ 16:51:45

Time Off Btm: 2024.03.23 @ 19:43:45

TEST COMMENT:

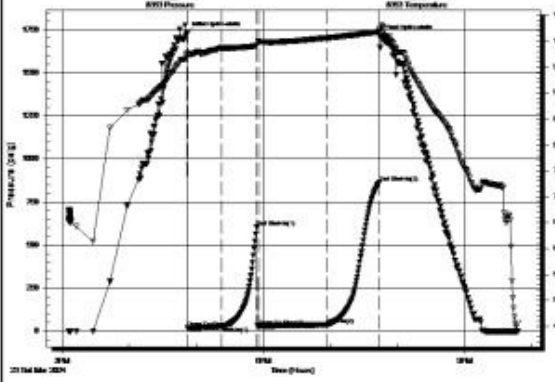
30:IF- Weak surface blow , built to 1/2" in 7 min, final is 3/4"

30:IS- No blow back

60:FF- Weak surface blow , built to 1/2" in 5 min, final is 3 1/4"

45FS- No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1727.91	97.68	Initial Hydro-static
1	18.38	97.38	Open To Flow (1)
31	28.02	98.69	Shut-In(1)
63	605.00	99.10	End Shut-In(1)
65	28.77	99.83	Open To Flow (2)
125	37.83	100.62	Shut-In(2)
172	862.91	101.76	End Shut-In(2)
172	1710.20	102.05	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	OCM 70%M 30%O	0.02

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

* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 71297

Printed: 2024.03.23 @ 22:22:20

DST #3 3573'-3629' (REAGAN SAND)



DRILL STEM TEST REPORT

Jaspar Company Inc

10-6-20W Rooks, KS

P.O. Box 1120

BJW #5

Hays, KS 67601

Job Ticket: 71298

DST#: 3

ATTN: Cameron Brin

Test Start: 2024.03.24 @ 08:43:00

GENERAL INFORMATION:

Formation: Reagan Sand

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:44:45

Time Test Ended: 15:13:45

Interval: 3573.00 ft (KB) To 3629.00 ft (KB) (TVD)

Total Depth: 3629.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches -hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Reference Elevations: 2158.00 ft (KB)

2151.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8676

Outside

Press@RunDepth: 198.38 psig @ 3574.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.03.24

End Date: 2024.03.24

Last Calib.: 2024.03.24

Start Time: 08:43:01

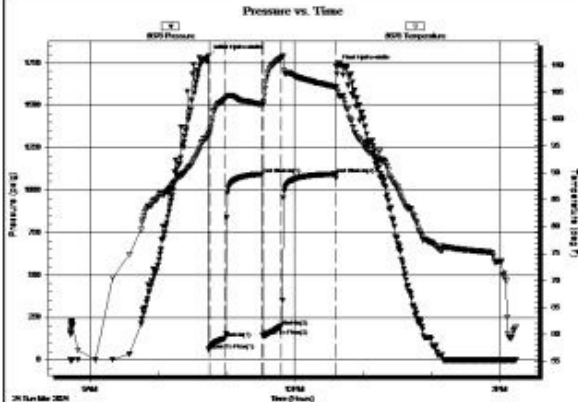
End Time: 15:13:45

Time On Btm: 2024.03.24 @ 10:44:15

Time Off Btm: 2024.03.24 @ 12:36:30

TEST COMMENT: 15:IF- Fair surface blow , BOB in 7 min, final is 21"
30:IS- Weak surface blow , built to 3" in 10 min, final is 5 3/4"
15:FF- Fair surface blow , BOB in 6 min, final is 27 3/4"
45:FS- Weak surface blow , built to 5 1/4" in 10 min, final built to 8 3/4" then died to 7 1/2"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.30	97.17	Initial Hydro-static
1	59.65	97.29	Open To Flow (1)
14	126.03	103.64	Shut-In(1)
47	1094.21	102.79	End Shut-In(1)
48	142.35	102.73	Open To Flow (2)
64	198.38	111.39	Shut-In(2)
112	1094.98	106.02	End Shut-In(2)
113	1730.11	106.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	GMCO 60%O 28%M 12%G	0.59
302.00	GMCO 70%O 20%M 10%G	4.24
0.00	GIP 441 100%G	0.00

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 71298

Printed: 2024.03.24 @ 16:51:37

ROCK TYPES

Lmst fw7> shale, gry

Carbon Sh shale, red

Ss

ACCESSORIES

MINERAL

▲ Chert, dark

•• Sandy

△ Chert White

FOSSIL

F Fossils < 20%

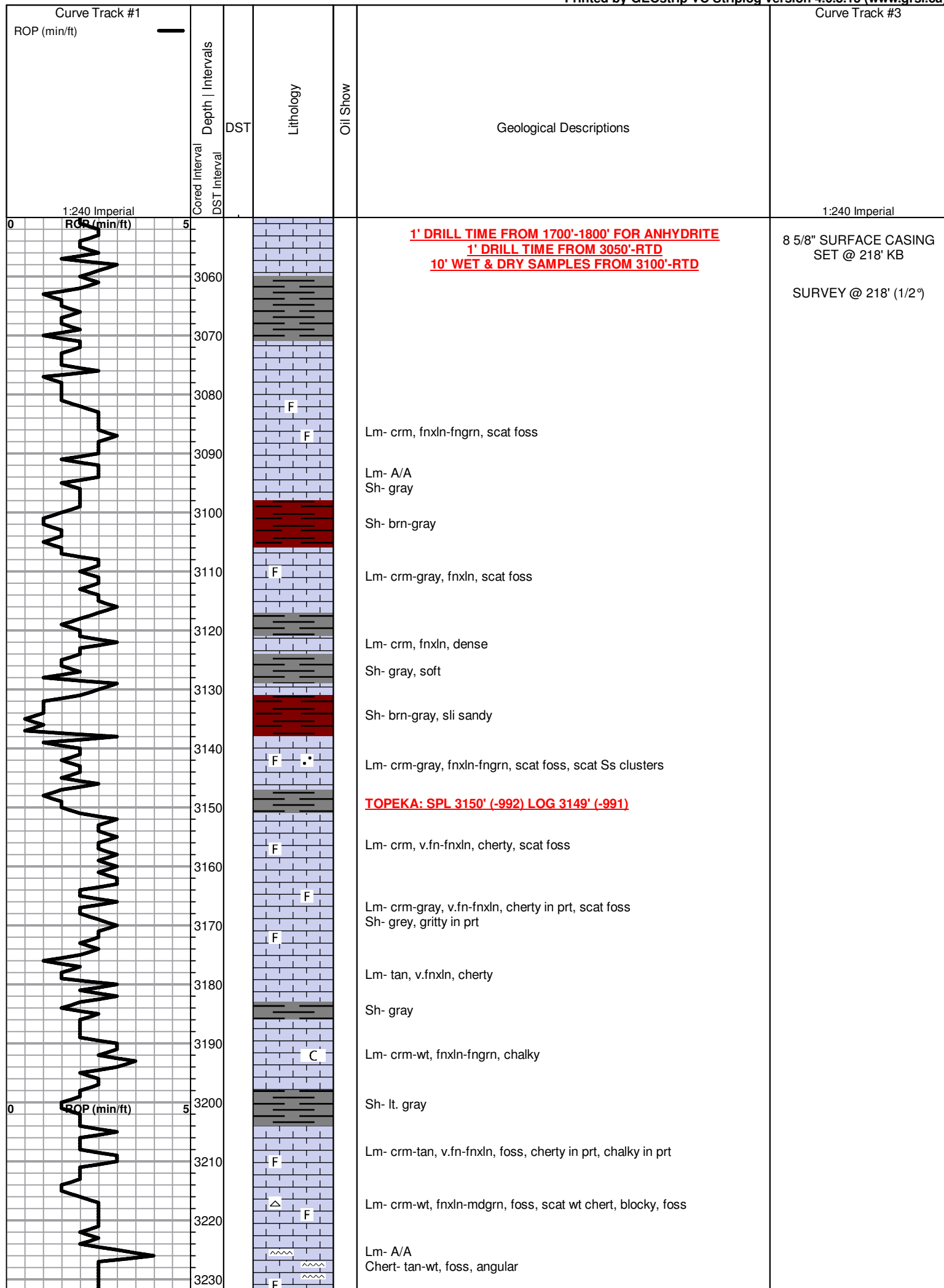
φ Oolite

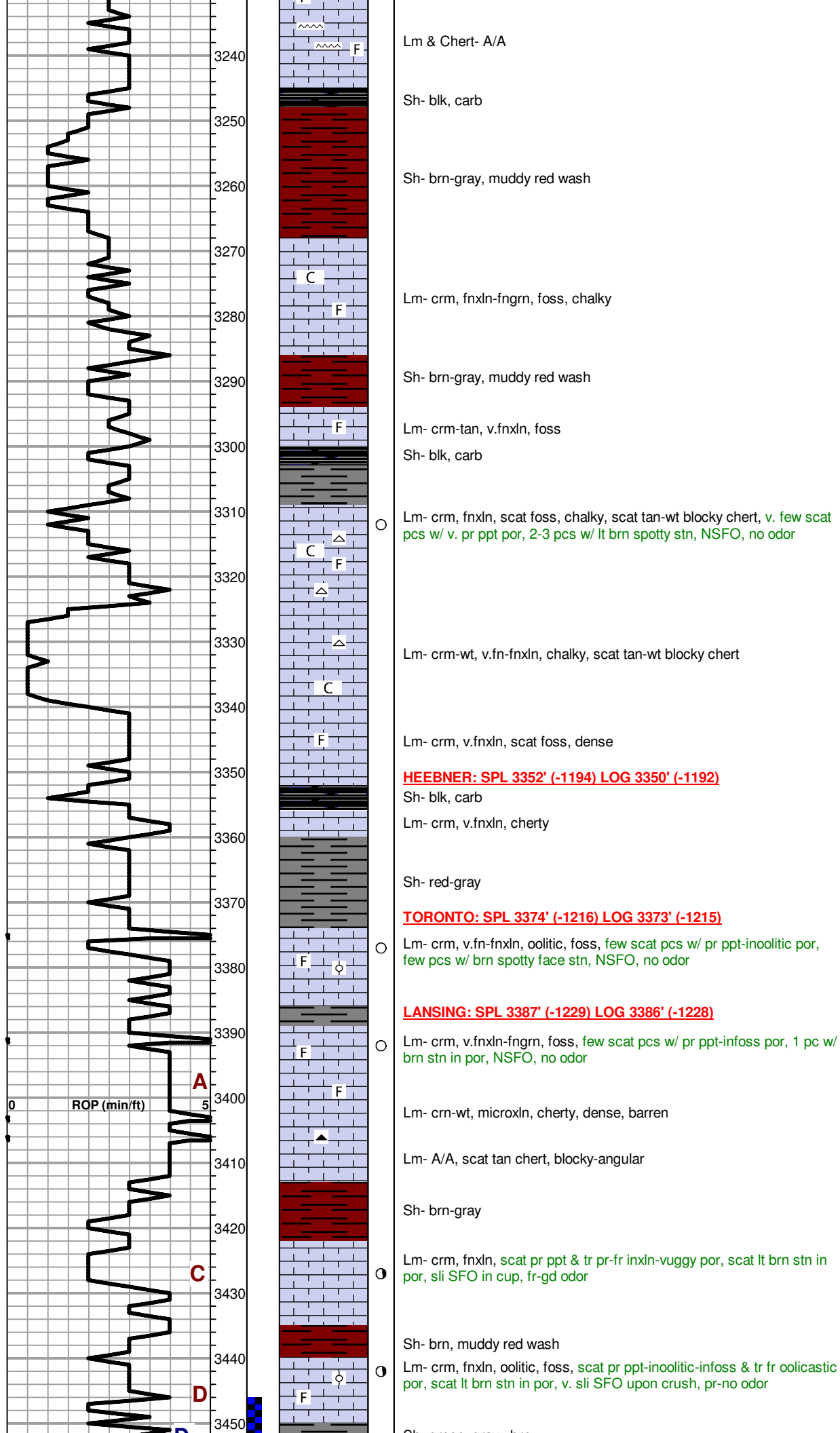
STRINGER

~~~~ Chert

TEXTURE

C Chalky





CFS @ 3354'  
SHROT TRIP 46 STANDS

CFS @ 3447'



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. **3828**

Cell 785-324-1041

|                     |                |               |                 |                                       |                 |             |                       |
|---------------------|----------------|---------------|-----------------|---------------------------------------|-----------------|-------------|-----------------------|
| Date <u>3-18-24</u> | Sec. <u>10</u> | Twp. <u>6</u> | Range <u>26</u> | County <u>ROCKS</u>                   | State <u>KS</u> | On Location | Finish <u>6:45 PM</u> |
|                     |                |               |                 | Location <u>Stockton 4 N 13 W 2 N</u> |                 |             |                       |

|                               |                      |                                                                                                                                                                                 |
|-------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lease <u>BJW</u>              | Well No. <u>3</u>    | Owner                                                                                                                                                                           |
| Contractor <u>STP</u>         |                      | To Quality Oilwell Cementing, Inc.<br>You are hereby requested to rent cementing equipment and furnish<br>cement and helper to assist owner or contractor to do work as listed. |
| Type Job <u>SURFACE</u>       |                      | Charge To <u>JASPER Co.</u>                                                                                                                                                     |
| Hole Size <u>12 1/4</u>       | T.D. <u>218</u>      |                                                                                                                                                                                 |
| Csg. <u>8 5/8</u>             | Depth                | 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. <u>15</u> | Shoe Joint           | Cement Amount Ordered <u>170A 80/20 -3-2</u>                                                                                                                                    |
| Meas Line                     | Displace <u>12.9</u> |                                                                                                                                                                                 |

## EQUIPMENT

|                       |          |             |                    |
|-----------------------|----------|-------------|--------------------|
| Pumptrk <u>17</u> No. | Cementer |             | Common <u>140</u>  |
|                       | Helper   | <u>Bill</u> | Poz. Mix <u>35</u> |
| Bulktrk No.           | Driver   | <u>nick</u> | Gel. <u>3</u>      |
| Bulktrk <u>20</u> No. | Driver   | <u>CORY</u> | Calcium <u>6</u>   |

## 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 |
| <u>Set c 218</u>         | Sand                    |
| <u>Cemt w/ 170A</u>      | Handling <u>179</u>     |
| <u>pump plug w/ 12.9</u> | Mileage                 |
| <u>Cemt Did Ck.</u>      |                         |

## FLOAT EQUIPMENT

|  |             |
|--|-------------|
|  | Guide Shoe  |
|  | Centralizer |
|  | Baskets     |
|  | AFU Inserts |
|  | Float Shoe  |
|  | Latch Down  |

|                               |
|-------------------------------|
| Pumptrk Charge <u>Surface</u> |
| Mileage <u>61</u>             |

|                              |              |
|------------------------------|--------------|
| Signature <u>[Signature]</u> | Tax          |
|                              | Discount     |
|                              | Total Charge |

*Thanks*

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

– **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

– **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

– **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

– **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# 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. 4054

|                        |             |      |          |                                                                                                                                          |       |       |          |                                                                                  |            |       |    |             |  |        |         |
|------------------------|-------------|------|----------|------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------|----------------------------------------------------------------------------------|------------|-------|----|-------------|--|--------|---------|
| Date                   | 3-25-24     | Sec. | 10       | Twp.                                                                                                                                     | 6     | Range | 20       | County                                                                           | ROOKS      | State | KS | On Location |  | Finish | 9:30 AM |
| Location               |             |      |          |                                                                                                                                          |       |       |          | Stockton 5N13W2N                                                                 |            |       |    |             |  |        |         |
| Lease                  | BSW         |      |          | Well No.                                                                                                                                 | 5     |       |          | Owner                                                                            |            |       |    |             |  |        |         |
| Contractor             | JTP         |      |          | To Quality Oilwell Cementing, Inc.                                                                                                       |       |       |          |                                                                                  |            |       |    |             |  |        |         |
| Type Job               | Long String |      |          | 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.                                                                                                                                     | 3629  |       |          | Charge To                                                                        | Jasper Co. |       |    |             |  |        |         |
| Csg.                   | 5 1/2 15.5  |      |          | Depth                                                                                                                                    |       |       |          | 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.    | 42.62       |      |          | Shoe Joint                                                                                                                               | 42.62 |       |          | Cement Amount Ordered                                                            | 1800 Com   |       |    |             |  |        |         |
| Meas Line              |             |      |          | Displace                                                                                                                                 | 85.29 |       |          | 10% Salt 5% G.I. 500 gal Flush                                                   |            |       |    |             |  |        |         |
| EQUIPMENT              |             |      |          |                                                                                                                                          |       |       |          | Common                                                                           |            |       |    |             |  |        |         |
| Pumptrk                | 17          | No.  | Cementer | B. H.                                                                                                                                    |       |       | Poz. Mix |                                                                                  |            |       |    |             |  |        |         |
| Bulktrk                |             | No.  | Driver   | Nick                                                                                                                                     |       |       | Gel.     |                                                                                  |            |       |    |             |  |        |         |
| Bulktrk                | 9           | No.  | Driver   | JOE                                                                                                                                      |       |       | Calcium  |                                                                                  |            |       |    |             |  |        |         |
| JOB SERVICES & REMARKS |             |      |          |                                                                                                                                          |       |       |          | Hulls                                                                            |            |       |    |             |  |        |         |
| Remarks:               |             |      |          |                                                                                                                                          |       |       |          | Salt                                                                             |            |       |    |             |  |        |         |
| Rat Hole               |             |      |          |                                                                                                                                          |       |       |          | 30 pbr                                                                           |            |       |    |             |  |        |         |
| Mouse Hole             |             |      |          |                                                                                                                                          |       |       |          | Flowseal                                                                         |            |       |    |             |  |        |         |
| Centralizers           |             |      |          |                                                                                                                                          |       |       |          | 7                                                                                |            |       |    |             |  |        |         |
| Baskets                |             |      |          |                                                                                                                                          |       |       |          | 3                                                                                |            |       |    |             |  |        |         |
| D/V or Port Collar     |             |      |          |                                                                                                                                          |       |       |          | 2 1/4 7.28 # 35                                                                  |            |       |    |             |  |        |         |
| pipe set               |             |      |          |                                                                                                                                          |       |       |          | c 3626.44                                                                        |            |       |    |             |  |        |         |
| Shoe Jt                |             |      |          |                                                                                                                                          |       |       |          | 42.62                                                                            |            |       |    |             |  |        |         |
| Insert                 |             |      |          |                                                                                                                                          |       |       |          | 3583.82                                                                          |            |       |    |             |  |        |         |
| 500 GAL Flush          |             |      |          |                                                                                                                                          |       |       |          | Mud CLR 48 500                                                                   |            |       |    |             |  |        |         |
| Cement 150 lbs         |             |      |          |                                                                                                                                          |       |       |          | CFL-117 or CD110 CAF 38                                                          |            |       |    |             |  |        |         |
| pump plug w 85.29 bbls |             |      |          |                                                                                                                                          |       |       |          | Sand                                                                             |            |       |    |             |  |        |         |
| Land plug c 1300 #     |             |      |          |                                                                                                                                          |       |       |          | Handling 200                                                                     |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Mileage                                                                          |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | FLOAT EQUIPMENT                                                                  |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Guide Shoe                                                                       |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Centralizer 7                                                                    |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Baskets 3                                                                        |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | AFU Inserts                                                                      |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Float Shoe 1                                                                     |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Latch Down - 1                                                                   |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | 1 Port Collar                                                                    |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Pumptrk Charge                                                                   |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Mileage 61                                                                       |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Tax                                                                              |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Discount                                                                         |            |       |    |             |  |        |         |
|                        |             |      |          |                                                                                                                                          |       |       |          | Total Charge                                                                     |            |       |    |             |  |        |         |
| X Signature            |             |      |          |                                                                                                                                          |       |       |          |                                                                                  |            |       |    |             |  |        |         |

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**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

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– **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 4060

Cell 785-324-1041

|                             |             |      |            |             |                                                                                                                                          |       |             |        |
|-----------------------------|-------------|------|------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|--------|
| Date                        | 4-9-24      | Sec. | Twp.       | Range       | County                                                                                                                                   | State | On Location | Finish |
|                             |             |      |            |             | ROOKS                                                                                                                                    | KS    |             |        |
|                             |             |      |            |             | Location STOCKTON 4 N 12 W 3 N                                                                                                           |       |             |        |
| Lease                       | BJW         |      | Well No.   |             | 5                                                                                                                                        |       |             |        |
| Contractor                  | OUTLAW      |      |            |             | Owner To Quality Oilwell Cementing, Inc.                                                                                                 |       |             |        |
| Type Job                    | PORT COLLAR |      |            |             | 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                   |             |      | T.D.       |             | Charge To JASPER OIL                                                                                                                     |       |             |        |
| Csg.                        | 5 1/2       |      | Depth      |             | 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.         |             |      | Shoe Joint |             | Cement Amount Ordered 4004 QMDC 1/4 Flowseal                                                                                             |       |             |        |
| Meas Line                   |             |      | Displace   |             | 1000 lbs Gel                                                                                                                             |       |             |        |
| EQUIPMENT                   |             |      |            |             | Common 250 5/8 QMDC                                                                                                                      |       |             |        |
| Pumptrk                     | 17          | No.  | Cementer   | Bill        | Poz. Mix                                                                                                                                 |       |             |        |
|                             |             |      | Helper     | Wick        |                                                                                                                                          |       |             |        |
| Bulktrk                     |             | No.  | Driver     |             | Gel. 10                                                                                                                                  |       |             |        |
|                             |             |      | Driver     |             |                                                                                                                                          |       |             |        |
| Bulktrk                     | 21          | No.  | Driver     | BEFORE DOUG | Calcium                                                                                                                                  |       |             |        |
|                             |             |      | Driver     |             |                                                                                                                                          |       |             |        |
| JOB SERVICES & REMARKS      |             |      |            |             | Hulls                                                                                                                                    |       |             |        |
| Remarks:                    |             |      |            |             | Salt                                                                                                                                     |       |             |        |
| Rat Hole                    |             |      |            |             | Flowseal 100 #                                                                                                                           |       |             |        |
| Mouse Hole                  |             |      |            |             | Kol-Seal                                                                                                                                 |       |             |        |
| Centralizers                |             |      |            |             | Mud CLR 48                                                                                                                               |       |             |        |
| Baskets                     |             |      |            |             | CFL-117 or CD110 CAF 38                                                                                                                  |       |             |        |
| D/V or Port Collar          |             |      |            |             | Sand                                                                                                                                     |       |             |        |
| Tool e                      |             |      |            |             | Handling 400                                                                                                                             |       |             |        |
| pump 1000 # 160 ft gel      |             |      |            |             | Mileage                                                                                                                                  |       |             |        |
| Cement w/ 250 #             |             |      |            |             | FLOAT EQUIPMENT                                                                                                                          |       |             |        |
| Cement Did Circ.            |             |      |            |             | Guide Shoe                                                                                                                               |       |             |        |
| press 700 # OK              |             |      |            |             | Centralizer                                                                                                                              |       |             |        |
|                             |             |      |            |             | Baskets                                                                                                                                  |       |             |        |
|                             |             |      |            |             | AFU Inserts                                                                                                                              |       |             |        |
|                             |             |      |            |             | Float Shoe                                                                                                                               |       |             |        |
|                             |             |      |            |             | Latch Down                                                                                                                               |       |             |        |
|                             |             |      |            |             | Pumptrk Charge                                                                                                                           |       |             |        |
|                             |             |      |            |             | Mileage 61                                                                                                                               |       |             |        |
|                             |             |      |            |             | port Collar Job                                                                                                                          |       |             |        |
|                             |             |      |            |             | Tax                                                                                                                                      |       |             |        |
|                             |             |      |            |             | Discount                                                                                                                                 |       |             |        |
|                             |             |      |            |             | Total Charge                                                                                                                             |       |             |        |
| X Signature Shane Velazquez |             |      |            |             | Thanks                                                                                                                                   |       |             |        |

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## DRILL STEM TEST REPORT

Prepared For: **Jaspar Company Inc**

P.O. Box 1120  
Hays, KS 67601

ATTN: Cameron Brin

**BJW #5**

**10-6-20W Rooks, KS**

Start Date: 2024.03.22 @ 21:41:00

End Date: 2024.03.23 @ 03:47:45

Job Ticket #: 71296                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.27 @ 12:30:40



TRILOBITE  
TESTING, INC.

## DRILL STEM TEST REPORT

Jaspar Company Inc

10-6-20W Rooks, KS

P.O. Box 1120  
Hays, KS 67601

BJW #5

Job Ticket: 71296

DST#: 1

ATTN: Cameron Brin

Test Start: 2024.03.22 @ 21:41:00

### GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:42:15

Time Test Ended: 03:47:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Nathan Aneas

Unit No: 71

Interval: **3445.00 ft (KB) To 3471.00 ft (KB) (TVD)**

Reference Elevations: 2158.00 ft (KB)

Total Depth: 3471.00 ft (KB) (TVD)

2151.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: **8353** Inside

Press@RunDepth: 69.38 psig @ 3446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.03.22

End Date:

2024.03.23

Last Calib.:

2024.03.23

Start Time: 21:41:01

End Time:

03:47:45

Time On Btm:

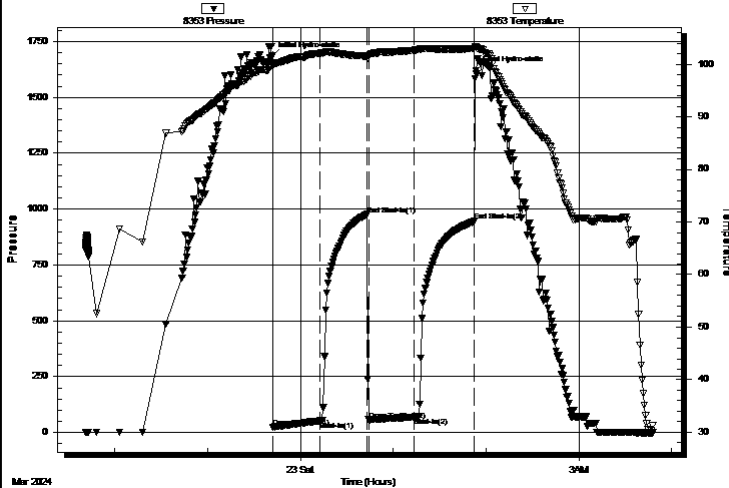
2024.03.22 @ 23:41:30

Time Off Btm:

2024.03.23 @ 01:53:30

TEST COMMENT: 30:IF- Fair surface blow , built to 2 1/2" in 4 min, final is BOB (10 1/2")  
30:IS- Weak surface blow built to 1/4" in 10 min, final is weak surface  
30:FF- Fair surface blow , built to 2 3/4" in 5 min, final is 9"  
30:FS- Weak surface blow , built to 1/4" in 10 min, final died to no blow

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1683.84         | 99.89        | Initial Hydro-static |
| 1           | 23.27           | 99.80        | Open To Flow (1)     |
| 31          | 52.30           | 102.06       | Shut-In(1)           |
| 62          | 976.39          | 101.52       | End Shut-In(1)       |
| 63          | 56.23           | 101.61       | Open To Flow (2)     |
| 92          | 69.38           | 102.65       | Shut-In(2)           |
| 131         | 945.18          | 102.96       | End Shut-In(2)       |
| 132         | 1620.45         | 103.29       | Final Hydro-static   |

Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 119.00      | GMCO 70%O 20%M 10%G | 0.59         |
| 15.00       | CO 100%O            | 0.21         |
| 0.00        | GIP 63'             | 0.00         |
|             |                     |              |
|             |                     |              |
|             |                     |              |

Gas Rates

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



TRILOBITE  
TESTING, INC.

## DRILL STEM TEST REPORT

Jaspar Company Inc

10-6-20W Rooks, KS

P.O. Box 1120  
Hays, KS 67601

BJW #5

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DST#: 1

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Unit No: 71

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2151.00 ft (CF)

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KB to GR/CF: 7.00 ft

Serial #: **8676** Outside

Press@RunDepth: psig @ 3446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.03.22

End Date:

2024.03.23

Last Calib.:

2024.03.23

Start Time: 21:41:01

End Time:

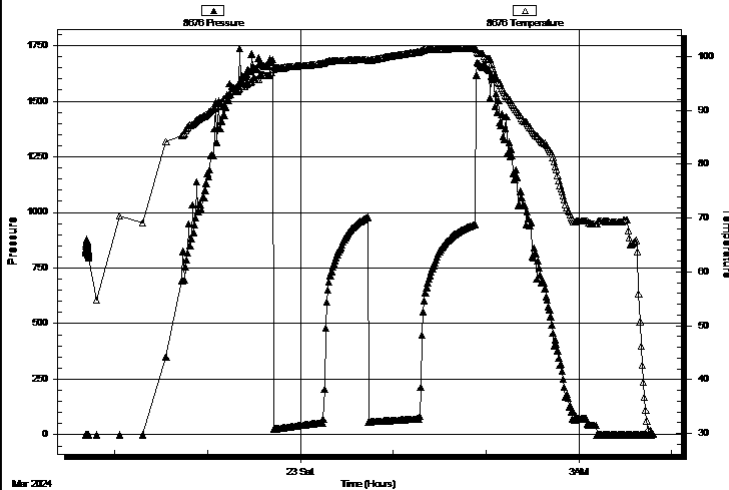
03:48:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Fair surface blow , built to 2 1/2" in 4 min, final is BOB (10 1/2")  
30:IS- Weak surface blow built to 1/4" in 10 min, final is weak surface  
30:FF- Fair surface blow , built to 2 3/4" in 5 min, final is 9"  
30:FS- Weak surface blow , built to 1/4" in 10 min, final died to no blow

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 119.00      | GMCO 70%O 20%M 10%G | 0.59         |
| 15.00       | CO 100%O            | 0.21         |
| 0.00        | GIP 63'             | 0.00         |
|             |                     |              |
|             |                     |              |
|             |                     |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Jaspar Company Inc

**10-6-20W Rooks, KS**

P.O. Box 1120  
Hays, KS 67601

**BJW #5**

Job Ticket: 71296

**DST#: 1**

ATTN: Cameron Brin

Test Start: 2024.03.22 @ 21:41:00

### Tool Information

|                                                         |            |            |           |             |               |           |                       |             |
|---------------------------------------------------------|------------|------------|-----------|-------------|---------------|-----------|-----------------------|-------------|
| Drill Pipe:                                             | Length:    | 3303.00 ft | Diameter: | 3.80 inches | Volume:       | 46.33 bbl | Tool Weight:          | 2000.00 lb  |
| Heavy Wt. Pipe:                                         | Length:    | 0.00 ft    | Diameter: | 2.75 inches | Volume:       | 0.00 bbl  | Weight set on Packer: | 20000.00 lb |
| Drill Collar:                                           | Length:    | 119.00 ft  | Diameter: | 2.25 inches | Volume:       | 0.59 bbl  | Weight to Pull Loose: | 48000.00 lb |
|                                                         |            |            |           |             | Total Volume: | 46.92 bbl | Tool Chased           | ft          |
| Drill Pipe Above KB:                                    | 10.00 ft   |            |           |             |               |           |                       |             |
| Depth to Top Packer:                                    | 3445.00 ft |            |           |             |               |           |                       |             |
| Depth to Bottom Packer:                                 | ft         |            |           |             |               |           |                       |             |
| Interval between Packers:                               | 26.00 ft   |            |           |             |               |           |                       |             |
| Tool Length:                                            | 59.00 ft   |            |           |             |               |           |                       |             |
| Number of Packers:                                      | 2          |            | Diameter: | 6.75 inches |               |           |                       |             |
| Tool Comments: Head manifold was loose on my head joint |            |            |           |             |               |           |                       |             |

### Tool Description

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

|                 |       |              |         |                               |
|-----------------|-------|--------------|---------|-------------------------------|
| Change Over Sub | 1.00  |              | 3413.00 |                               |
| Shut In Tool    | 5.00  |              | 3418.00 |                               |
| Hydraulic tool  | 5.00  |              | 3423.00 |                               |
| Jars            | 5.00  |              | 3428.00 |                               |
| EM Tool         | 4.00  |              | 3432.00 |                               |
| Safety Joint    | 3.00  |              | 3435.00 |                               |
| Packer          | 5.00  |              | 3440.00 | 33.00 Bottom Of Top Packer    |
| Packer          | 5.00  |              | 3445.00 |                               |
| Stubb           | 1.00  |              | 3446.00 |                               |
| Recorder        | 0.00  | 8353 Inside  | 3446.00 |                               |
| Recorder        | 0.00  | 8676 Outside | 3446.00 |                               |
| Perforations    | 22.00 |              | 3468.00 |                               |
| Bullnose        | 3.00  |              | 3471.00 | 26.00 Bottom Packers & Anchor |

**Total Tool Length: 59.00**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Jaspar Company Inc

**10-6-20W Rooks, KS**

P.O. Box 1120  
Hays, KS 67601

**BJW #5**

Job Ticket: 71296

**DST#: 1**

ATTN: Cameron Brin

Test Start: 2024.03.22 @ 21:41:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.99 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

39.6 deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 119.00       | GMCO 70%O 20%M 10%G | 0.585         |
| 15.00        | CO 100%O            | 0.210         |
| 0.00         | GIP 63'             | 0.000         |

Total Length: 134.00 ft

Total Volume: 0.795 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 35 Oil API @ 20 deg API Corrected to 39 Oil API @ 60 deg API

Serial #: 8353

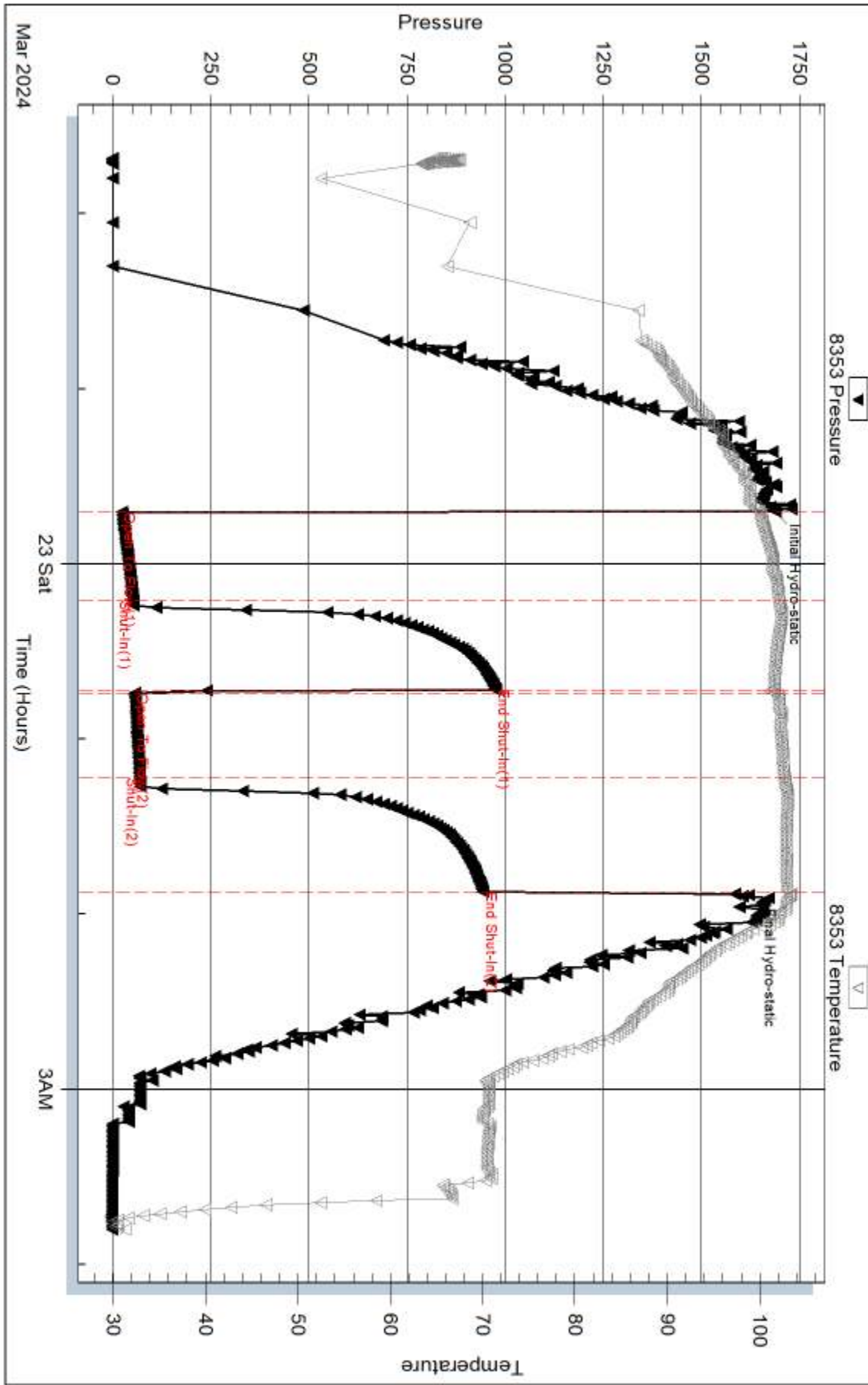
Inside

Jaspar Company Inc

BW#5

DST Test Number: 1

# Pressure vs. Time

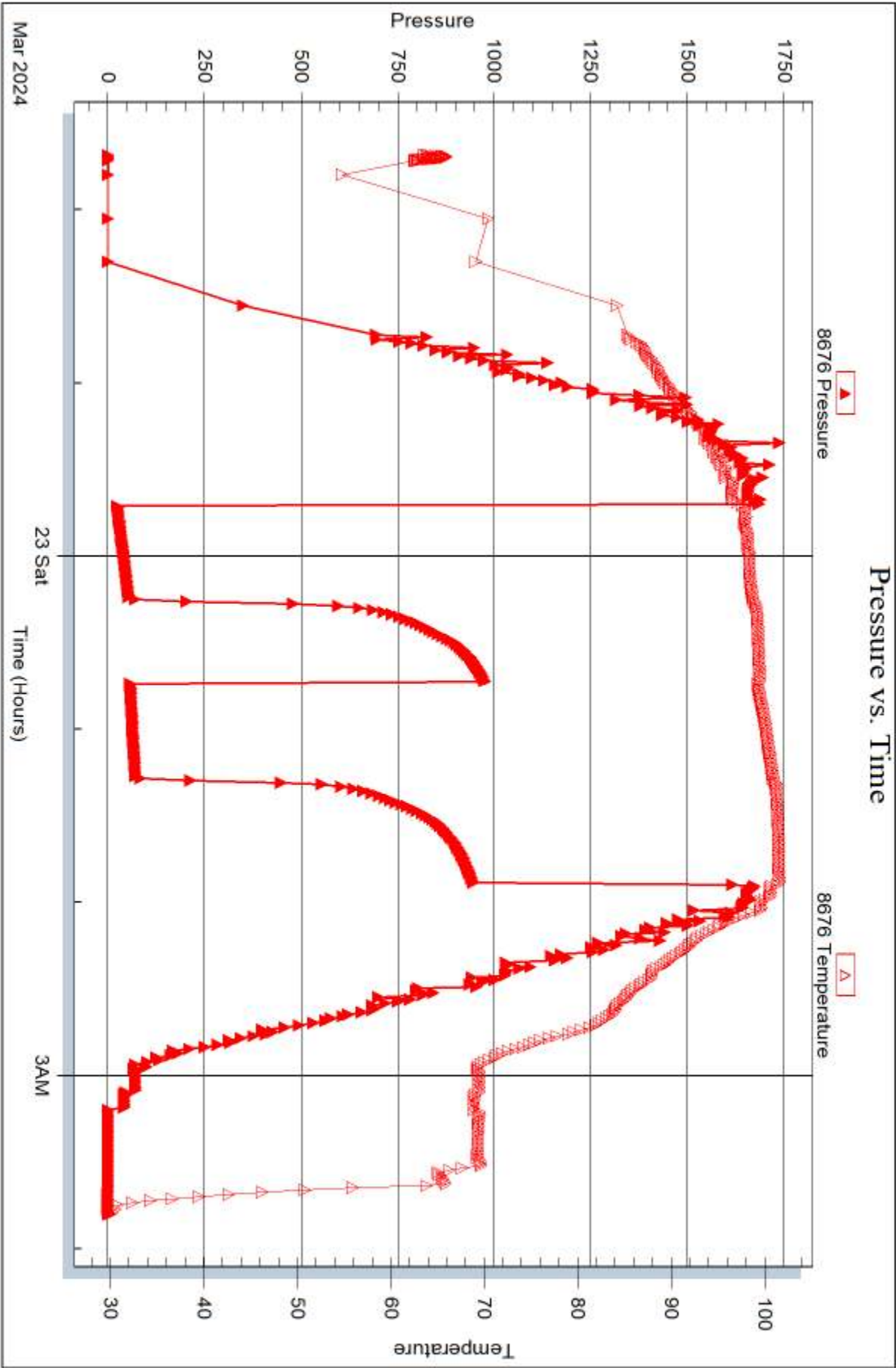


Serial #: 8676

Outside Jasper Company Inc

BUW#5

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Jaspar Company Inc**

P.O. Box 1120  
Hays, KS 67601

ATTN: Cameron Brin

**BJW #5**

**10-6-20W Rooks, KS**

Start Date: 2024.03.23 @ 15:06:00

End Date: 2024.03.23 @ 21:47:45

Job Ticket #: 71297                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.27 @ 12:30:12



TRILOBITE  
TESTING, INC.

## DRILL STEM TEST REPORT

Jaspar Company Inc

10-6-20W Rooks, KS

P.O. Box 1120  
Hays, KS 67601

BJW #5

Job Ticket: 71297

DST#: 2

ATTN: Cameron Brin

Test Start: 2024.03.23 @ 15:06:00

### GENERAL INFORMATION:

Formation: LKC I-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:30

Time Test Ended: 21:47:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 3519.00 ft (KB) To 3558.00 ft (KB) (TVD)

Total Depth: 3558.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2158.00 ft (KB)

2151.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8353 Inside

Press@RunDepth: 37.83 psig @ 3520.00 ft (KB)

Start Date: 2024.03.23

End Date:

2024.03.23

Start Time: 15:06:01

End Time:

21:47:45

Capacity: 8000.00 psig

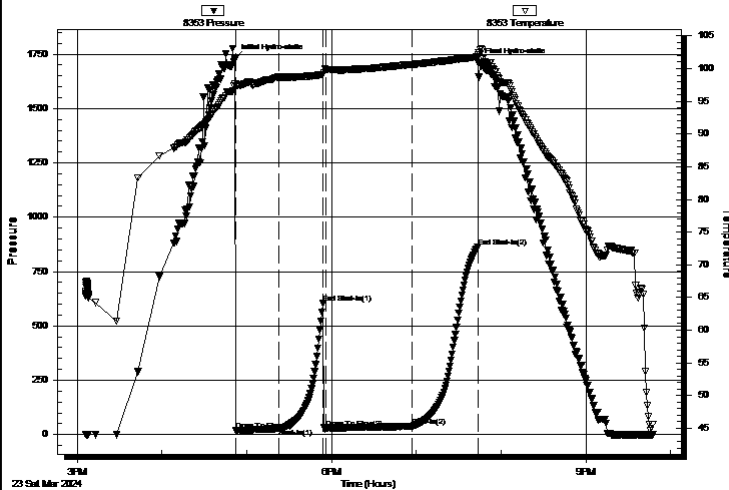
Last Calib.: 2024.03.23

Time On Btm: 2024.03.23 @ 16:51:45

Time Off Btm: 2024.03.23 @ 19:43:45

TEST COMMENT: 30:IF- Weak surface blow , built to 1/2" in 7 min, final is 3/4"  
30:IS- No blow back  
60:FF- Weak surface blow , built to 1/2" in 5 min, final is 3 1/4"  
45FSI- No blow back

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1727.91         | 97.68        | Initial Hydro-static |
| 1           | 18.38           | 97.38        | Open To Flow (1)     |
| 31          | 28.02           | 98.69        | Shut-In(1)           |
| 63          | 605.00          | 99.10        | End Shut-In(1)       |
| 65          | 28.77           | 99.83        | Open To Flow (2)     |
| 125         | 37.83           | 100.62       | Shut-In(2)           |
| 172         | 862.91          | 101.76       | End Shut-In(2)       |
| 172         | 1710.20         | 102.05       | Final Hydro-static   |

Recovery

| Length (ft) | Description     | Volume (bbl) |
|-------------|-----------------|--------------|
| 5.00        | OCM 70% M 30% O | 0.02         |
|             |                 |              |
|             |                 |              |
|             |                 |              |
|             |                 |              |
|             |                 |              |

Gas Rates

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

\* Recovery from multiple tests



TRILOBITE  
TESTING, INC.

## DRILL STEM TEST REPORT

Jaspar Company Inc

10-6-20W Rooks, KS

P.O. Box 1120  
Hays, KS 67601

BJW #5

Job Ticket: 71297

DST#: 2

ATTN: Cameron Brin

Test Start: 2024.03.23 @ 15:06:00

### GENERAL INFORMATION:

Formation: LKC I-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:30

Time Test Ended: 21:47:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 3519.00 ft (KB) To 3558.00 ft (KB) (TVD)

Total Depth: 3558.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2158.00 ft (KB)

2151.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8676 Outside

Press@RunDepth: psig @ 3520.00 ft (KB)

Start Date: 2024.03.23

End Date:

2024.03.23

Start Time: 15:06:01

End Time:

21:48:00

Capacity: 8000.00 psig

Last Calib.:

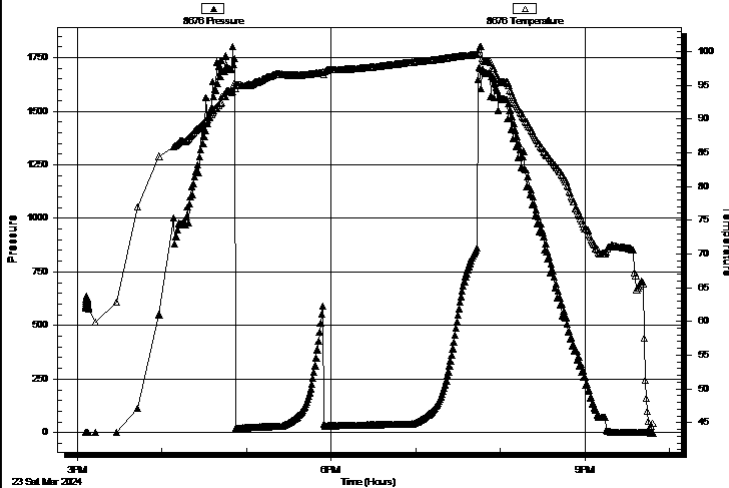
2024.03.23

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Weak surface blow , built to 1/2" in 7 min, final is 3/4"  
30:IS- No blow back  
60:FF- Weak surface blow , built to 1/2" in 5 min, final is 3 1/4"  
45FS- No blow back

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 5.00        | OCM 70%M 30%O | 0.02         |
|             |               |              |
|             |               |              |
|             |               |              |
|             |               |              |
|             |               |              |

### Gas Rates

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

\* Recovery from multiple tests



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

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Jaspar Company Inc

**10-6-20W Rooks, KS**

P.O. Box 1120  
Hays, KS 67601

**BJW #5**

Job Ticket: 71297

**DST#: 2**

ATTN: Cameron Brin

Test Start: 2024.03.23 @ 15:06:00

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 3370.00 ft | Diameter: | 3.80 inches | Volume:       | 47.27 bbl | Tool Weight:           | 2000.00 lb  |
| Heavy Wt. Pipe:           | Length: | 0.00 ft    | Diameter: | 2.75 inches | Volume:       | 0.00 bbl  | Weight set on Packer:  | 22000.00 lb |
| Drill Collar:             | Length: | 119.00 ft  | Diameter: | 2.25 inches | Volume:       | 0.59 bbl  | Weight to Pull Loose:  | 50000.00 lb |
|                           |         |            |           |             | Total Volume: | 47.86 bbl | Tool Chased            | ft          |
| Drill Pipe Above KB:      |         | 3.00 ft    |           |             |               |           | String Weight: Initial | 46000.00 lb |
| Depth to Top Packer:      |         | 3519.00 ft |           |             |               |           | Final                  | 46000.00 lb |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 39.00 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 72.00 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  |              | 3487.00 |                               |
| Shut In Tool    | 5.00  |              | 3492.00 |                               |
| Hydraulic tool  | 5.00  |              | 3497.00 |                               |
| Jars            | 5.00  |              | 3502.00 |                               |
| EM Tool         | 4.00  |              | 3506.00 |                               |
| Safety Joint    | 3.00  |              | 3509.00 |                               |
| Packer          | 5.00  |              | 3514.00 | 33.00 Bottom Of Top Packer    |
| Packer          | 5.00  |              | 3519.00 |                               |
| Stubb           | 1.00  |              | 3520.00 |                               |
| Recorder        | 0.00  | 8353 Inside  | 3520.00 |                               |
| Recorder        | 0.00  | 8676 Outside | 3520.00 |                               |
| Perforations    | 35.00 |              | 3555.00 |                               |
| Bullnose        | 3.00  |              | 3558.00 | 39.00 Bottom Packers & Anchor |

**Total Tool Length: 72.00**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Jaspar Company Inc

**10-6-20W Rooks, KS**

P.O. Box 1120  
Hays, KS 67601

**BJW #5**

Job Ticket: 71297

**DST#: 2**

ATTN: Cameron Brin

Test Start: 2024.03.23 @ 15:06:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description   | Volume<br>bbl |
|--------------|---------------|---------------|
| 5.00         | OCM 70%M 30%O | 0.025         |

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8353

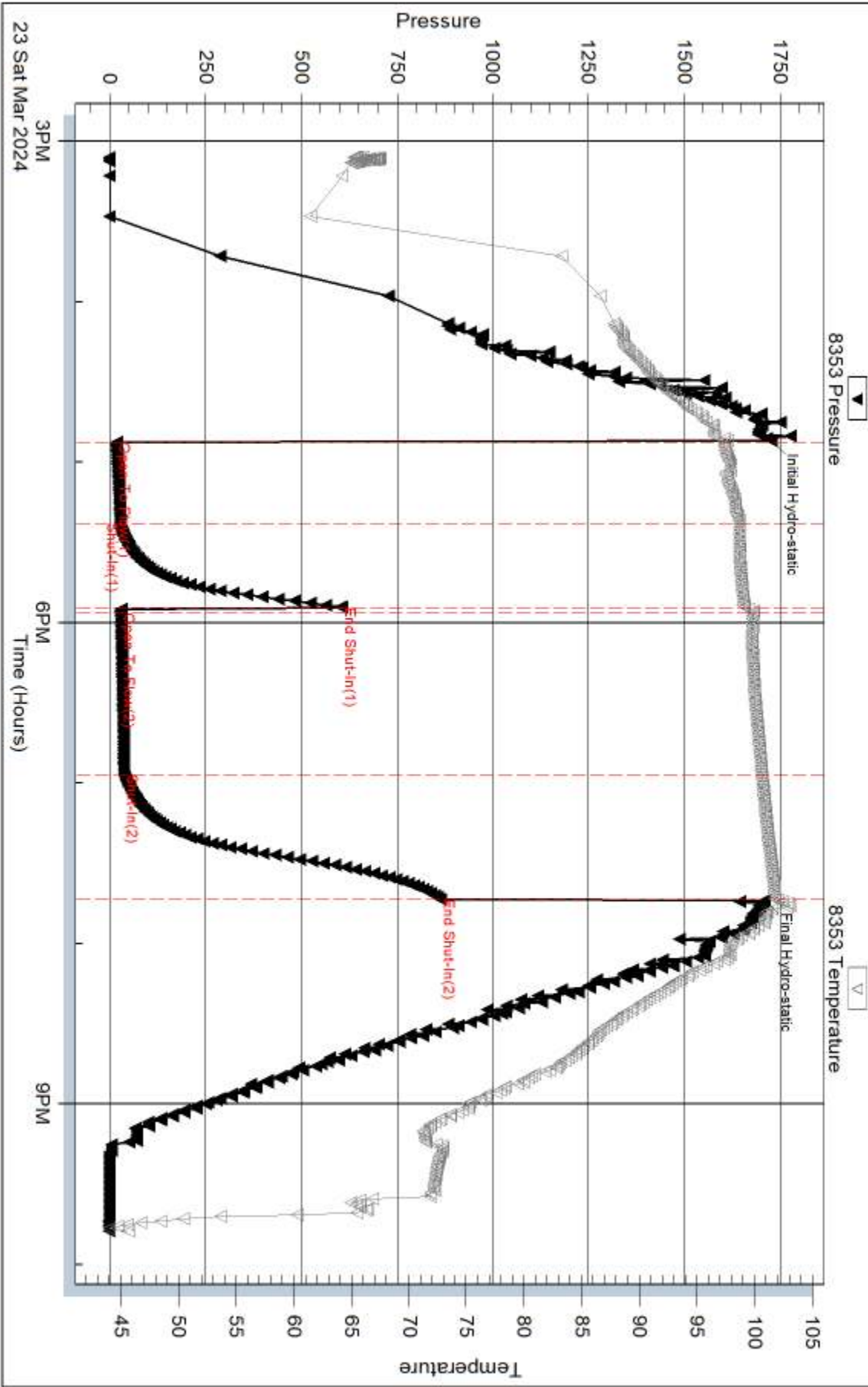
Inside

Jaspar Company Inc

BUW#5

DST Test Number: 2

# Pressure vs. Time

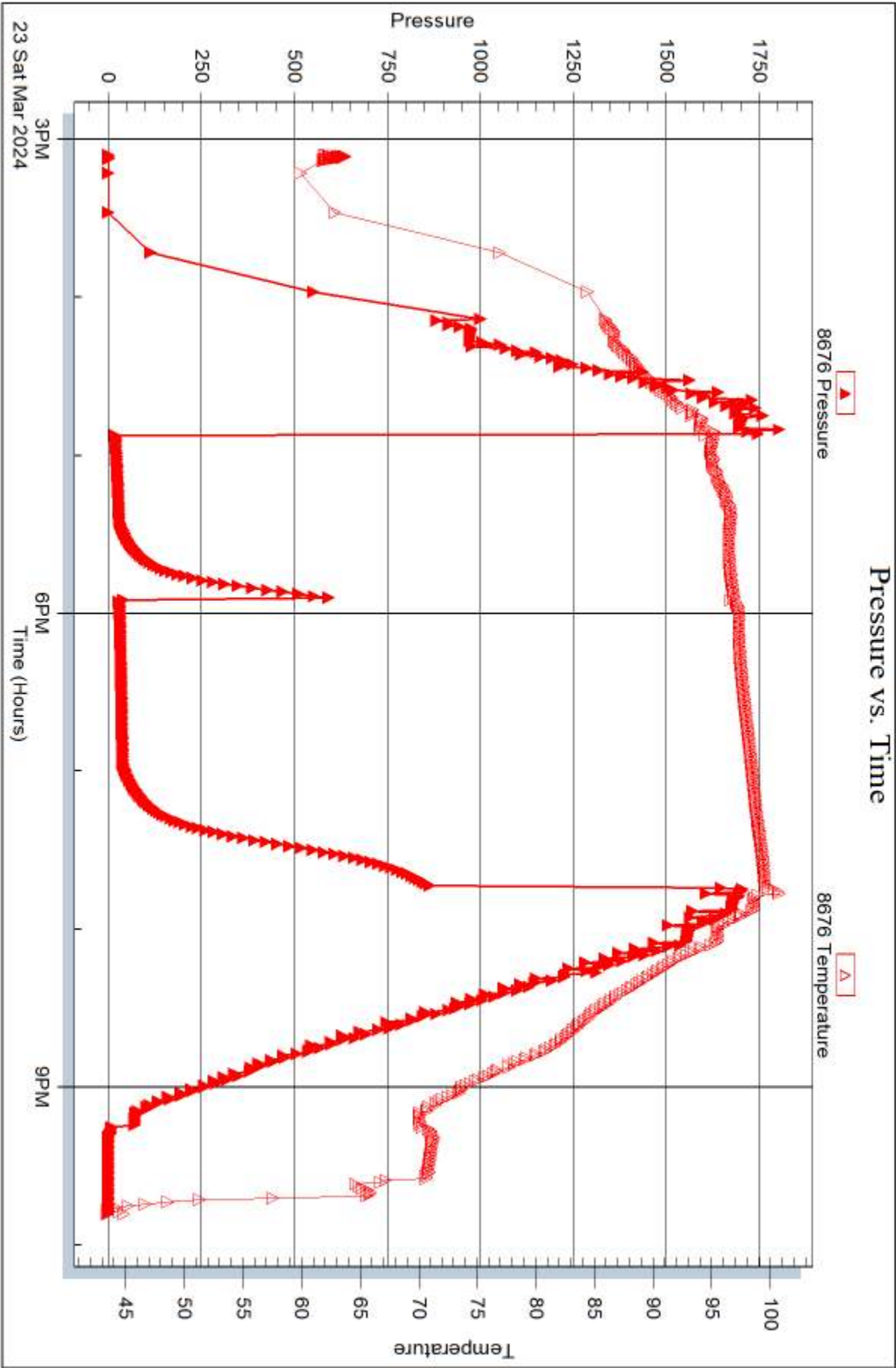


Serial #: 8676

Outside Jasper Company Inc

BW#5

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Jaspar Company Inc**

P.O. Box 1120  
Hays, KS 67601

ATTN: Cameron Brin

**BJW #5**

**10-6-20W Rooks, KS**

Start Date: 2024.03.24 @ 08:43:00

End Date: 2024.03.24 @ 15:13:45

Job Ticket #: 71298                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.27 @ 12:29:41



TRILOBITE  
TESTING, INC.

## DRILL STEM TEST REPORT

Jaspar Company Inc

10-6-20W Rooks, KS

P.O. Box 1120  
Hays, KS 67601

BJW #5

Job Ticket: 71298

DST#: 3

ATTN: Cameron Brin

Test Start: 2024.03.24 @ 08:43:00

### GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:44:45

Time Test Ended: 15:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: **3573.00 ft (KB) To 3629.00 ft (KB) (TVD)**

Total Depth: 3629.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2158.00 ft (KB)

2151.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8676** Outside

Press@RunDepth: 198.38 psig @ 3574.00 ft (KB)

Start Date: 2024.03.24

End Date:

2024.03.24

Start Time: 08:43:01

End Time:

15:13:45

Capacity: 8000.00 psig

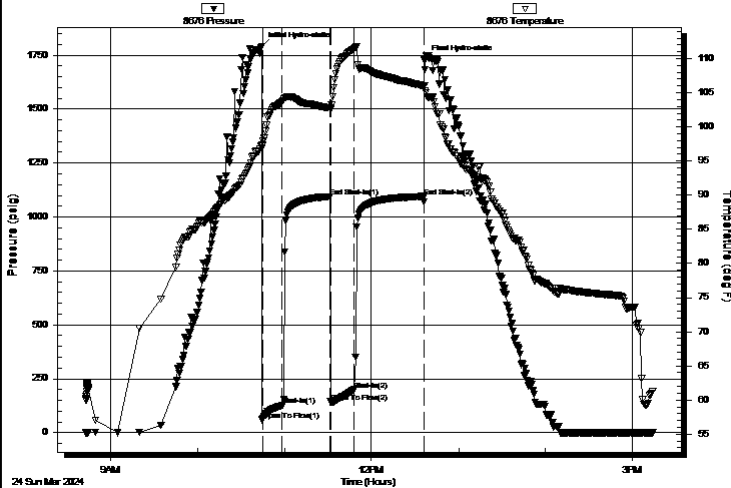
Last Calib.: 2024.03.24

Time On Btm: 2024.03.24 @ 10:44:15

Time Off Btm: 2024.03.24 @ 12:36:30

TEST COMMENT: 15:IF- Fair surface blow , BOB in 7 min, final is 21"  
30:IS- Weak surface blow , built to 3" in 10 min, final is 5 3/4"  
15:FF- Fair surface blow , BOB in 6 min, final is 27 3/4"  
45:FS- Weak surface blow , built to 5 1/4" in 10 min, final built to 8 3/4" then died to 7 1/2"

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1790.30         | 97.17        | Initial Hydro-static |
| 1           | 59.65           | 97.29        | Open To Flow (1)     |
| 14          | 126.03          | 103.64       | Shut-In(1)           |
| 47          | 1094.21         | 102.79       | End Shut-In(1)       |
| 48          | 142.35          | 102.73       | Open To Flow (2)     |
| 64          | 198.38          | 111.39       | Shut-In(2)           |
| 112         | 1094.98         | 106.02       | End Shut-In(2)       |
| 113         | 1730.11         | 106.02       | Final Hydro-static   |

Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 119.00      | GMCO 60%O 28%M 12%G | 0.59         |
| 302.00      | GMCO 70%O 20%M 10%G | 4.24         |
| 0.00        | GIP 441 100%G       | 0.00         |
|             |                     |              |
|             |                     |              |
|             |                     |              |

Gas Rates

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

\* Recovery from multiple tests



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

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Jaspar Company Inc

**10-6-20W Rooks, KS**

P.O. Box 1120  
Hays, KS 67601

**BJW #5**

Job Ticket: 71298

**DST#: 3**

ATTN: Cameron Brin

Test Start: 2024.03.24 @ 08:43:00

### Tool Information

|                           |            |            |           |             |               |           |                       |             |
|---------------------------|------------|------------|-----------|-------------|---------------|-----------|-----------------------|-------------|
| Drill Pipe:               | Length:    | 3432.00 ft | Diameter: | 3.80 inches | Volume:       | 48.14 bbl | Tool Weight:          | 2000.00 lb  |
| Heavy Wt. Pipe:           | Length:    | 0.00 ft    | Diameter: | 2.75 inches | Volume:       | 0.00 bbl  | Weight set on Packer: | 20000.00 lb |
| Drill Collar:             | Length:    | 119.00 ft  | Diameter: | 2.25 inches | Volume:       | 0.59 bbl  | Weight to Pull Loose: | 50000.00 lb |
|                           |            |            |           |             | Total Volume: | 48.73 bbl | Tool Chased           | ft          |
| Drill Pipe Above KB:      | 11.00 ft   |            |           |             |               |           |                       |             |
| Depth to Top Packer:      | 3573.00 ft |            |           |             |               |           |                       |             |
| Depth to Bottom Packer:   | ft         |            |           |             |               |           |                       |             |
| Interval between Packers: | 56.00 ft   |            |           |             |               |           |                       |             |
| Tool Length:              | 89.00 ft   |            |           |             |               |           |                       |             |
| Number of Packers:        | 2          |            | Diameter: | 6.75 inches |               |           |                       |             |

Tool Comments: One of the batteries for the recorder must have died so i only have on graph

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

|                           |              |      |         |         |                               |
|---------------------------|--------------|------|---------|---------|-------------------------------|
| Change Over Sub           | 1.00         |      |         | 3541.00 |                               |
| Shut In Tool              | 5.00         |      |         | 3546.00 |                               |
| Hydraulic tool            | 5.00         |      |         | 3551.00 |                               |
| Jars                      | 5.00         |      |         | 3556.00 |                               |
| EM Tool                   | 4.00         |      |         | 3560.00 |                               |
| Safety Joint              | 3.00         |      |         | 3563.00 |                               |
| Packer                    | 5.00         |      |         | 3568.00 | 33.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |      |         | 3573.00 |                               |
| Stubb                     | 1.00         |      |         | 3574.00 |                               |
| Recorder                  | 0.00         | 8353 | Inside  | 3574.00 |                               |
| Recorder                  | 0.00         | 8676 | Outside | 3574.00 |                               |
| Change Over Sub           | 1.00         |      |         | 3575.00 |                               |
| Blank Spacing             | 31.00        |      |         | 3606.00 |                               |
| Change Over Sub           | 1.00         |      |         | 3607.00 |                               |
| Perforations              | 19.00        |      |         | 3626.00 |                               |
| Bullnose                  | 3.00         |      |         | 3629.00 | 56.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>89.00</b> |      |         |         |                               |



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Jaspar Company Inc

**10-6-20W Rooks, KS**

P.O. Box 1120  
Hays, KS 67601

**BJW #5**

Job Ticket: 71298

**DST#: 3**

ATTN: Cameron Brin

Test Start: 2024.03.24 @ 08:43:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

36.6 deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 119.00       | GMCO 60%O 28%M 12%G | 0.585         |
| 302.00       | GMCO 70%O 20%M 10%G | 4.236         |
| 0.00         | GIP 441 100%G       | 0.000         |

Total Length: 421.00 ft

Total Volume: 4.821 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

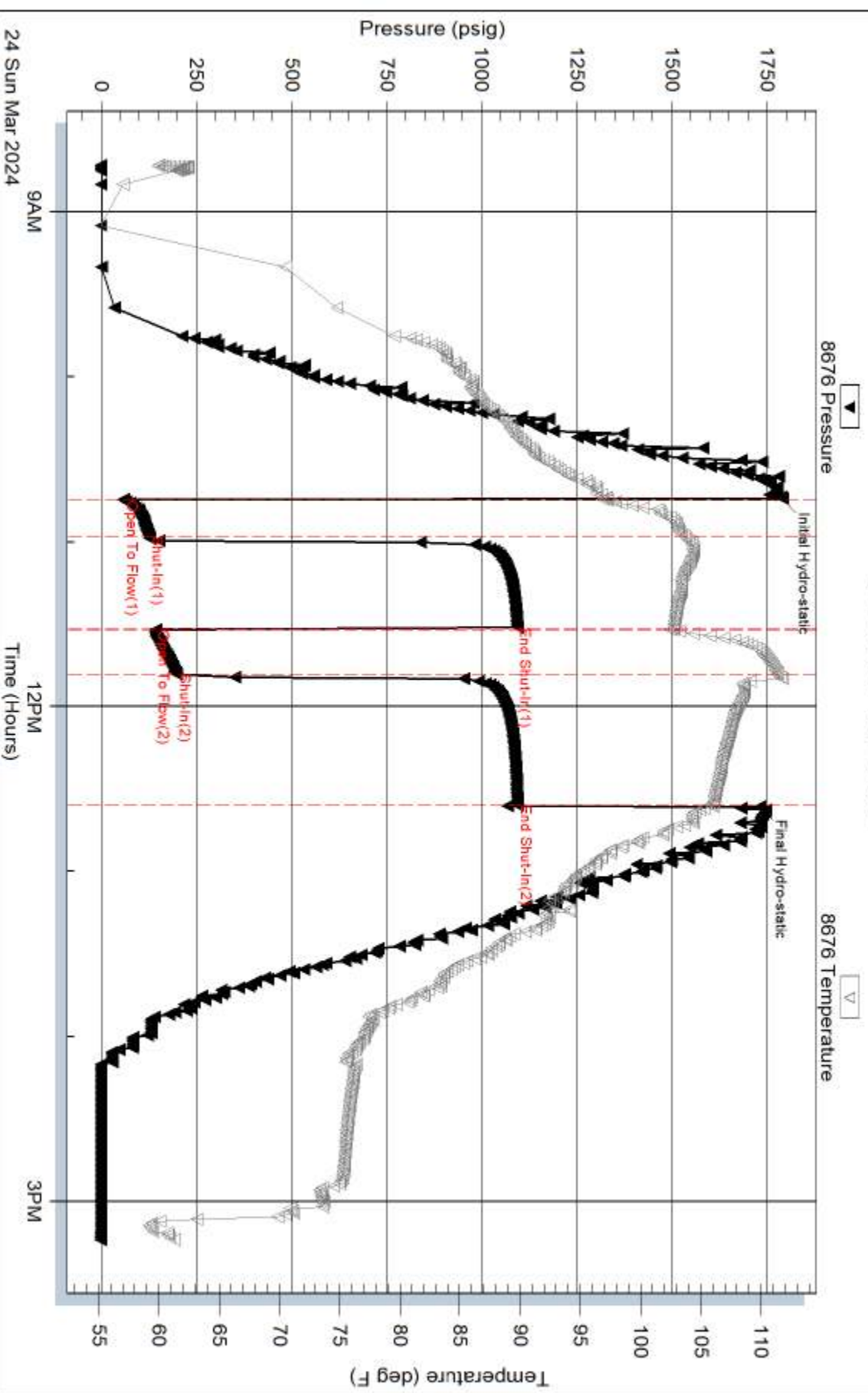
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 71296

Well Name & No. B5W #15 Test No. 1 Date 03/22/24  
 Company Jasper Company Inc Elevation 2158 KB 2151 GL  
 Address P.O. Box 1120 Hays, KS 67601  
 Co. Rep / Geo Cameron Brin Rig STP #2  
 Location: Sec. 10 Twp 6 Rge. 20W Co. Rooks State KS

Interval Tested 3445-3471 Zone Tested LKC E-F  
 Anchor Length 26 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.0  
 Top Packer Depth 3440 Drill Collars Run 119 Vis 60  
 Bottom Packer Depth 3445 Wt. Pipe Run \_\_\_\_\_ WL 8.2  
 Total Depth 3471 Chlorides 600 ppm System LCM 1.5#

Blow Description IF-Fair surface blow, built to 2 1/2" in 4min, Final is BOB (10 1/2")  
SI-Weak surface blow, built to 1/4" in 10min, Final is weak surface  
FF-Fair surface blow, built to 2 3/4" in 5min, Final is 9"  
SI-Weak surface blow, built to 1/4" in 10min, Final died to No blow

| Rec        | Feet of     | %gas       | %oil      | %water    | %mud     |
|------------|-------------|------------|-----------|-----------|----------|
| <u>119</u> | <u>Gmco</u> | <u>10</u>  | <u>70</u> | <u>20</u> | <u>0</u> |
| <u>15</u>  | <u>CO</u>   | <u>100</u> | <u>0</u>  | <u>0</u>  | <u>0</u> |
| <u>63'</u> | <u>GTP</u>  | <u>100</u> | <u>0</u>  | <u>0</u>  | <u>0</u> |
| _____      | _____       | _____      | _____     | _____     | _____    |
| _____      | _____       | _____      | _____     | _____     | _____    |
| _____      | _____       | _____      | _____     | _____     | _____    |
| _____      | _____       | _____      | _____     | _____     | _____    |
| _____      | _____       | _____      | _____     | _____     | _____    |

Rec Total 134' BHT 103 Gravity 39060 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

|                                               |                                                                |                                                              |
|-----------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|
| Initial Hydrostatic <u>1684</u>               | <input checked="" type="checkbox"/> Test 1800                  | <input type="checkbox"/> Ruined Shale Packer _____           |
| Initial Flow <u>23</u> to <u>52</u>           | <input checked="" type="checkbox"/> Jars 300                   | <input type="checkbox"/> Ruined Packer _____                 |
| Initial Shut-In <u>976</u>                    | <input type="checkbox"/> Circ Sub _____                        | <input checked="" type="checkbox"/> Hotel _____              |
| Final Flow <u>56</u> to <u>69</u>             | <input type="checkbox"/> Hourly Standby _____                  | <input checked="" type="checkbox"/> EM Tool Successful _____ |
| Final Shut-In <u>945</u>                      | <input checked="" type="checkbox"/> Mileage <u>152 RT</u>      | <input type="checkbox"/> Accessibility _____                 |
| Final Hydrostatic <u>1620</u>                 | <input type="checkbox"/> Sampler <u>65mi 113.75 30mi 52.50</u> | <input type="checkbox"/> Gas Sample _____                    |
| T-On Location <u>20:54</u>                    | <input type="checkbox"/> Straddle _____                        | <input type="checkbox"/> Oversized Hole _____                |
| Initial Flow <u>30</u> T-Started <u>21:41</u> | <input type="checkbox"/> Shale Packer _____                    | <input type="checkbox"/> Sub Total <u>0</u>                  |
| Initial Shut-In <u>30</u> T-Open <u>23:42</u> | <input type="checkbox"/> Extra Packer _____                    | <input type="checkbox"/> Total <u>2266.50</u>                |
| Final Flow <u>30</u> T-Pulled <u>01:50</u>    | <input type="checkbox"/> Extra Recorder _____                  | <input type="checkbox"/> Tool Loaded _____ @ _____           |
| Final Shut-In <u>30</u> T-Out <u>03:48</u>    | <input type="checkbox"/> Day Standby _____                     | <input type="checkbox"/> MP/DST Disc't _____                 |

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Matt

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. 71297

Well Name & No. BTW #5 Test No. 2 Date 03/23/24  
 Company Jasper Company Inc Elevation 2158 KB 2151 GL  
 Address P.O. Box 1120 Hays, KS 67601  
 Co. Rep / Geo Cameron Brin Rig STP 2  
 Location: Sec. 10 Twp 6 Rge. 20W Co. Rocks State KS

Interval Tested 3519'-3558 Zone Tested LKC I-J  
 Anchor Length 39' Drill Pipe Run 3370 Mud Wt. 9.1  
 Top Packer Depth 3514 Drill Collars Run 119 Vis 65  
 Bottom Packer Depth 3519 Wt. Pipe Run \_\_\_\_\_ WL 88  
 Total Depth 3558 Chlorides 800 ppm System LCM 2#

Blow Description IF Weak surface blow, built to 1/2" in 7 min, Final is 3/4"

ISI - No blow back

FF - Weak surface blow, built to 1/2" in 5 min, Final is 3 1/4"

FSI - No blow back

|              |               |            |            |              |            |
|--------------|---------------|------------|------------|--------------|------------|
| Rec <u>5</u> | 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 _____    | Feet of _____ | %gas _____ | %oil _____ | %water _____ | %mud _____ |
| Rec _____    | Feet of _____ | %gas _____ | %oil _____ | %water _____ | %mud _____ |
| Rec _____    | Feet of _____ | %gas _____ | %oil _____ | %water _____ | %mud _____ |

Rec Total 5 BHT 101 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

Initial Hydrostatic 1728 ☒ Test 1800 ☐ Ruined Shale Packer \_\_\_\_\_

Initial Flow 18 to 28 ☒ Jars 300 ☐ Ruined Packer \_\_\_\_\_

Initial Shut-In 605 ☐ Circ Sub \_\_\_\_\_ ☒ Hotel \_\_\_\_\_

Final Flow 29 to 38 ☐ Hourly Standby \_\_\_\_\_ ☒ EM Tool Successful \_\_\_\_\_

Final Shut-In 863 ☒ Mileage 58 RT 105 ☐ Accessibility \_\_\_\_\_

Final Hydrostatic 1710 ☐ Sampler \_\_\_\_\_ ☐ Gas Sample \_\_\_\_\_

T-On Location 14:18 ☐ Straddle \_\_\_\_\_ ☐ Oversized Hole \_\_\_\_\_

Initial Flow 30 T-Started 13:06 ☐ Shale Packer \_\_\_\_\_ ☐ Sub Total 0

Initial Shut-In 30 T-Open 16:52 ☐ Extra Packer \_\_\_\_\_ ☐ Total 2205

Final Flow 60 T-Pulled 19:48 ☐ Extra Recorder \_\_\_\_\_ ☐ Tool Loaded \_\_\_\_\_ @ \_\_\_\_\_

Final Shut-In 45 T-Out 21:49 ☐ Day Standby \_\_\_\_\_ ☐ MP/DST Disc't \_\_\_\_\_

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 71298

Well Name & No. BJW#5 Test No. 3 Date 03/24/24  
 Company Jesper Company Inc Elevation 2158 KB 2151 GL  
 Address P.O. Box 1120 Hays, KS 67601  
 Co. Rep / Geo Cameron Brin Rig STP #2  
 Location: Sec. 10 Twp 6 Rge. 20W Co. Rooks State KS

Interval Tested 3573-3629 Zone Tested Reagan Sand  
 Anchor Length 56' Drill Pipe Run 3432 Mud Wt. 9.1  
 Top Packer Depth 3568 Drill Collars Run 119 Vis 65  
 Bottom Packer Depth 3573 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 3629 Chlorides 860 ppm System LCM 2#

Blow Description IF-Fair surface blow, BOB in 7 min, Final is 21"  
1st-Weak surface blow, built to 3" in 10 min, Final is 5 3/4"  
FF-Fair surface blow, BOB in 6 min, Final is 27 3/4"  
1st-Weak surface blow, built to 5 1/4" in 10 min, Final built to 8 3/4" then died 7 1/2"

| Rec        | Feet of          | %gas       | %oil      | %water    | %mud      |
|------------|------------------|------------|-----------|-----------|-----------|
| <u>119</u> | <u>GMCO</u>      | <u>12</u>  | <u>60</u> | <u>28</u> | <u>28</u> |
| <u>302</u> | <u>GMCO</u>      | <u>10</u>  | <u>70</u> | <u>20</u> | <u>20</u> |
|            | <u>GIP = 441</u> | <u>100</u> |           |           |           |
|            |                  | %gas       | %oil      | %water    | %mud      |
|            |                  | %gas       | %oil      | %water    | %mud      |
|            |                  | %gas       | %oil      | %water    | %mud      |
|            |                  | %gas       | %oil      | %water    | %mud      |

Rec Total 421' BHT 106 Gravity 36.6 API RW - @ - °F Chlorides - ppm

Initial Hydrostatic 1790 ☒ Test 1800 ☐ Ruined Shale Packer  
 Initial Flow 60 to 126 ☒ Jars 300 ☐ Ruined Packer  
 Initial Shut-In 1094 ☐ Circ Sub ☒ Hotel  
 Final Flow 142 to 198 ☐ Hourly Standby ☒ EM Tool Successful  
 Final Shut-In 1095 ☒ Mileage 58 RT ☐ Accessibility  
 Final Hydrostatic 1730 ☐ Sampler 52.50 + 113.75 ☐ Gas Sample

T-On Location 08:00 ☐ Straddle ☐ Oversized Hole  
 Initial Flow 3615 T-Started 08:43 ☐ Shale Packer ☐ Sub Total 0  
 Initial Shut-In 30 T-Open 10:44 ☐ Extra Packer ☐ Total 2266.50  
 Final Flow 15 T-Pulled 12:43 ☐ Extra Recorder ☐ Tool Loaded 03/24 @ 11:16:08  
 Final Shut-In 45 T-Out 15:14 ☐ Day Standby ☐ MP/DST Disc't

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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