

Form	ACO1 - Well Completion
Operator	Bruce Oil Company, L.L.C.
Well Name	BOWEN 3
Doc ID	1813969

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	221	80/20	150	2%gel 3%cc

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 4184

Cell 785-324-1041

Date	8-16-24	Sec.	16	Twp.	8	Range	14	County	OSBORN	State	KS	On Location		Finish	1:00 PM
Location								AITON 15 7E35							
Lease	BOWEN			Well No.	3			Owner							
Contractor	DISCOVERY 2							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	SURFACE							Charge To							
Hole Size	12 1/4			T.D.	221			To							
Csg.	8 3/4			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.	15			Shoe Joint				Cement Amount Ordered				1500 8/20/24			
Meas Line				Displace	13										
EQUIPMENT								Common							
Pumptrk	No.	Cementer			Bill		Poz. Mix								
Bulktrk	No.	Helper			Bryant		Gel.								
Bulktrk	No.	Driver			SPRY		Calcium								
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
2nd 0726								Handling							
Central 1500								Mileage							
1st 0726								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							

X
Signature

X
Signature



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Bruce Oil Co LLC

16-8s-14w Osborne, KS

1704 Limestone Rd.
Mcperson, KS 67460

Bowen #3

Job Ticket: 71991

DST#: 1

ATTN: Max Lovely

Test Start: 2024.08.20 @ 05:38:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:07:45

Time Test Ended: 10:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: **2752.00 ft (KB) To 2776.00 ft (KB) (TVD)**

Reference Elevations: 1789.00 ft (KB)

Total Depth: 2776.00 ft (KB) (TVD)

1781.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: **8525** Inside

Press@RunDepth: 576.16 psig @ 2753.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.08.20

End Date:

2024.08.20

Last Calib.: 2024.08.20

Start Time: 05:38:05

End Time:

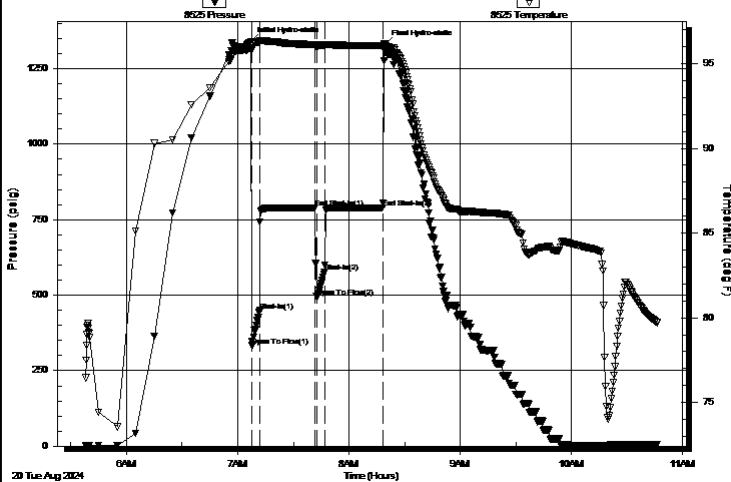
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Time On Btm: 2024.08.20 @ 07:07:00

Time Off Btm: 2024.08.20 @ 08:19:15

TEST COMMENT: IF-5- BOB in 40 sec built to 89.72"
SI1-30- No return
FF-5- BOB in 35 sec, built to 91.35"
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1340.52	95.94	Initial Hydro-static
1	332.44	95.90	Open To Flow (1)
5	448.62	96.26	Shut-In(1)
35	789.06	96.13	End Shut-In(1)
36	495.11	96.00	Open To Flow (2)
40	576.16	96.07	Shut-In(2)
72	789.11	96.05	End Shut-In(2)
73	1330.76	96.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
570.00	SMCW 5% mud 95% w ater	7.72
347.00	GOMCW 30% gas 5% oil 45% w ater 20%	4.871

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Bruce Oil Co LLC

16-8s-14w Osborne, KS

1704 Limestone Rd.
Mcperson, KS 67460

Bowen #3

Job Ticket: 71991

DST#: 1

ATTN: Max Lovely

Test Start: 2024.08.20 @ 05:38:00

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Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

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Tester: Dustin Day

Unit No: 70

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Reference Elevations: 1789.00 ft (KB)

Total Depth: 2776.00 ft (KB) (TVD)

1781.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: **8675** Outside

Press@RunDepth: psig @ 2753.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.08.20

End Date:

2024.08.20

Last Calib.:

2024.08.20

Start Time: 05:38:05

End Time:

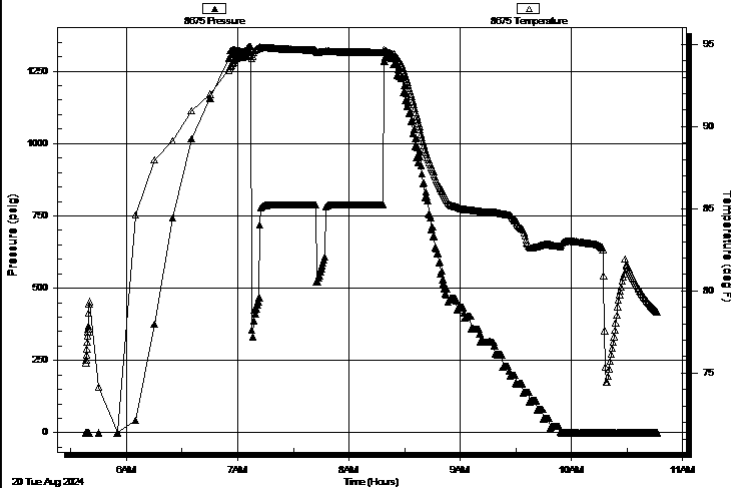
10:46:29

Time On Btm:

Time Off Btm:

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Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
570.00	SMCW 5% mud 95% w ater	7.72
347.00	GOMCW 30% gas 5% oil 45% w ater 20%	4.871

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Bruce Oil Co LLC

16-8s-14w Osborne, KS

1704 Limestone Rd.
Mcperson, KS 67460

Bowen #3

Job Ticket: 71991

DST#: 1

ATTN: Max Lovely

Test Start: 2024.08.20 @ 05:38:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 6.80 in³

Resistivity: ohm.m

Salinity: 1900.00 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

8500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
570.00	SMCW 5% mud 95% w ater	7.722
347.00	GOMCW 30% gas 5% oil 45% w ater 20% mu	4.867

Total Length: 917.00 ft

Total Volume: 12.589 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

Serial #: 8525

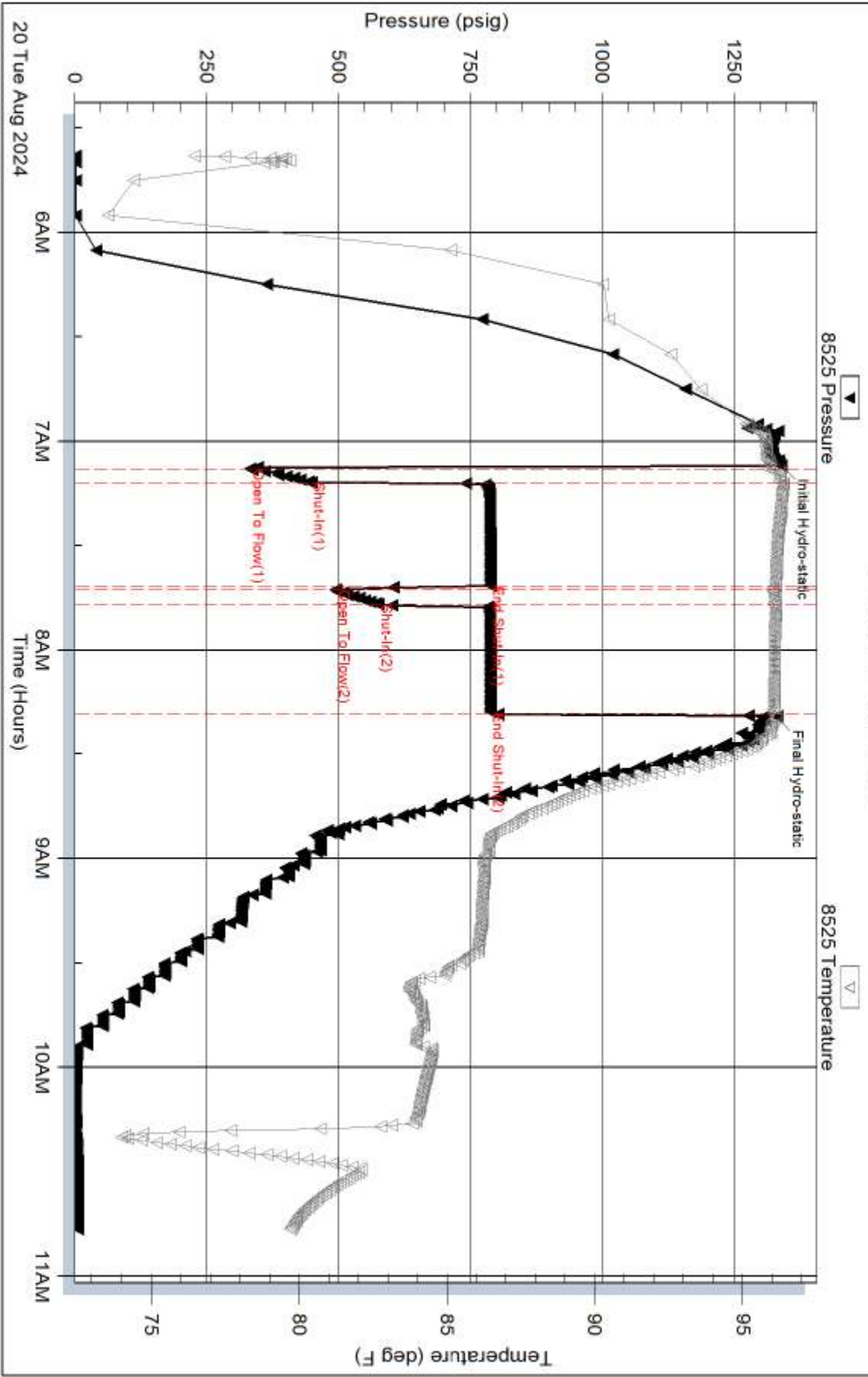
Inside

Bruce Oil Co LLC

Bow en #3

DST Test Number: 1

Pressure vs. Time



Serial #: 8675

Outside Bruce Oil Co LLC

Bow en #3

DST Test Number: 1

