KOLAR Document ID: 1728349

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 8914
Name: H & C Oil Operating Inc.
Address 1: PO BOX 86
Address 2:
City: PLAINVILLE State: KS Zip: 67663 + 0086
Contact Person: Bob Plante
Phone: (785) 434-7434
CONTRACTOR: License # 8914
Name: H & C Oil Operating Inc.
Wellsite Geologist: Wes Hansen
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☐ SWD
☐ Gas ☑ DH ☐ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

8/15/2023	8/24/2023	8/25/2023
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-023-21631-00-00
Spot Description:
SW - NE - NW - SW Sec. 4 Twp. 1 S. R. 41 ☐ East ☑ West
3207 Feet from ☑ North / ☐ South Line of Section
973 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Cheyenne
Lease Name: FAYLOR Well #: 4-1
Field Name:
Producing Formation: None
Elevation: Ground: 3360 Kelly Bushing: 3367
Total Vertical Depth: 5252 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 350 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 1000 ppm Fluid volume: 160 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
☐ **Confidentiality Requested**
Date: 09/07/2023
☐ **Confidential Release Date:** 09/06/2025
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** David Befort **Date:** 09/14/2023

Operator Name: H & C Oil Operating Inc. Lease Name: FAYLOR Well #: 4-1

Sec. 4 Twp. 1 S. R. 41 ☐ East ☑ West County: Cheyenne

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
Foraker	3968	-601
Oread	4292	-925
Lansing	4366	-999
Pawnee	4776	-1409
Cherokee Shale	4860	-1493
Morrow	5044	-1677
Mississippian	5230	-1863

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	350	Common 3&2	325	3% CC & 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	FAYLOR 4-1
Doc ID	1728349

All Electric Logs Run

Dual Compensated Porosity w/PE
Dual Induction
Microresistivity
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	FAYLOR 4-1
Doc ID	1728349

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	350	Common 3&2	325	3% CC & 2% Gel

WESLEY D. HANSEN Consulting Petroleum Geologist

PO Box 46, Whitewater, KS 67154

Cellular 316.772.6188
whansen4651@sbcglobal.net

KGS
AAPG #799479

LITHOLOGY STRIP LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: H&C Oil Operating, Inc. #4-1 Faylor
API: 15-023-21631
Location: 3907' FNL, 973' FWL of 4-T1S-R41W
License Number:
Region: Cheyenne County, KS
Spud Date: 8/15/2023
Drilling Completed: 8/24/2023
Surface Coordinates: 3907' FNL, 973' FWL of 4-T1S-R41W

Bottom Hole Coordinates: Vertical hole
Ground Elevation (ft): 3356'
K.B. Elevation (ft): 3367'
Logged Interval (ft): 3800' To: RTD
Total Depth (ft): 5280'
Formation: Mississippian at RTD
Type of Drilling Fluid: Chemical - displaced at 3581'

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR
Company: H&C Oil Operating, Inc.
Address: 401 N. Broadway
PO Box 86
Plainville, KS 67663-0086

GEOLOGIST
Name: Wesley D. Hansen
Company: Wesley D. Hansen - Consulting Petroleum Geologist
Address: PO Box 46
Whitewater, KS 67154
Cellular: 316-772-6188

COMMENTS
Contractor: Duke Drilling Rig 5
Pusher: Juan Cervantes

Surface Casing: 8 5/8" set at 354' w/325 sx
Production Casing: P&A

Mud by: MudCo - Reid Atkins and Tony Maestas were the engineers.

DST's by: Trilobite - David Urban was the tester.

Logs by: Midwest Wireline: DIL, CNL/CDL, MEL, BHCS; Dan Schmidt was the engineer

Deviation Surveys: 3/4 deg. @354'; 3/4 deg. @1351'; 3/4 deg. @2356'; 1/2 deg. @3715'; 1 deg. @4630'

BIT RECORD

Bit #	Size	MFG	Type	Depth Out	Footage Cut	Hours on Bit
1	12 1/4"	JZ	HXFJ1	354'	354'	3 1/2
2	7 7/8"	JZ	516	3715'	3361'	36 1/2
3	7 7/8"	JZ	527L	5280'	1565'	96

FORMATION TOPS AND STRUCTURAL COMPARISON

FORMATION	SAMPLE TOPS Depth	SAMPLE TOPS Datum	LOG TOPS Depth	LOG TOPS Datum
	3367' KB		3367' KB	
Anhydrite	not called		3432'	-65
B/Anhydrite	not called		3466'	-99
Neva	3840'	-473	3844'	-477
Foraker	3968'	-601	3964'	-597
Topeka	4168'	-801	4168'	-801
Oread	4292'	-925	4291'	-924
Lansing	4366'	-999	4365'	-997
Stark Shale	4602'	-1235	4600'	-1233
Altamont	4696'	-1329	4698'	-1331
Pawnee	4776'	-1409	4776'	-1409
Fort Scott	4804'	-1437	4806'	-1439
Cherokee Shale	4860'	-1493	4860'	-1493
Morrow	5044'	-1677	5048'	-1681
Mississippian	5230'	-1863	5230'	-1863
RTD	5280'	-1913		
LTD			5281'	-1914

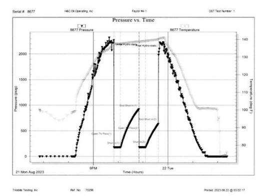
COMPARISON WELLS

Wildcat - No nearby wells for comparison

DRILL STEM TESTS

DST No. 1 Lower Kansas City
Interval: 4540'-4630'
Times: 15-45-15-30
Recovery: 157' Mud with oil specks (100%m); 173' Mud
FP: 177-179/179-181 SIP: 918-630
HP: 2265-2220 BHT: 141 deg. F

IFP: weak surface blow, died in 8 minutes
ISIP: no return blow
FFP: weak surface blow for 10 seconds
FSIP: no return blow



ROCK TYPES
Congl, Igne, Anhy, Cht, Coal, Congl, Gyp
Lmst, Salt, Shale, Shcol, Siltstone, red sst, Sst
Carb sh, Dol, Dtd, Grayshale, Sandylms, Redshale, Greenshale
Sltstn, Shlyslts, Sndy/siltyshale, Silty dolo, Shy dolo, Shaly ls, Dolomite

ACCESSORIES
FOSSIL: Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin, Echin, Fish, Foram, Fossil, Gastro, Oolite, Ostra, Pelec, Pellet, Pisolite, Plant, Strom, Fuss, Oomold

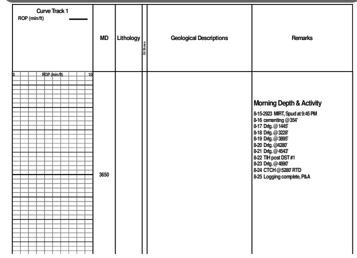
MINERAL: Anhy, Arggrn, Arg, Bent, Bit, Brecfrag, Calc, Carb, Chtdk, Chtlt, Dol, Feldspar, Ferrpel, Ferr, Glau, Gyp, Hvymin, Kaol, Marl, Minxl, Nodule, Phos, Pyr, Salt, Sandy, Silt, Sil, Sulphur, Tuff, Chlorite, Dol, Sand, Slty

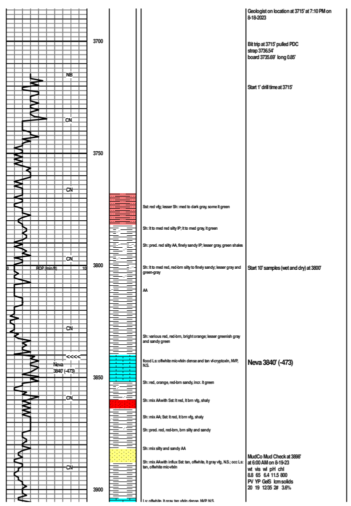
STRINGER: Anhy, Arg, Bent, Coal, Dol, Gyp, Ls, Mrst, Sltstrg, Ssstrg, Carbsh, Clystn, Dol, Grysh, Gryslt, Lms, Sandylms, red shale, green shale, Sltstn

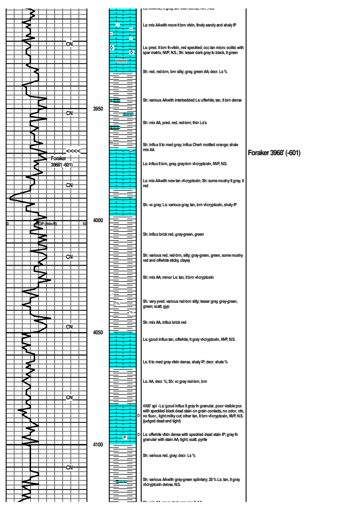
OTHER SYMBOLS
INTERVALS: Core, Dst, Dst
EVENTS: Rft, Dst top & bottom
OIL SHOWS: Even, Spotted, Quest., Trace, Dead, Gas show

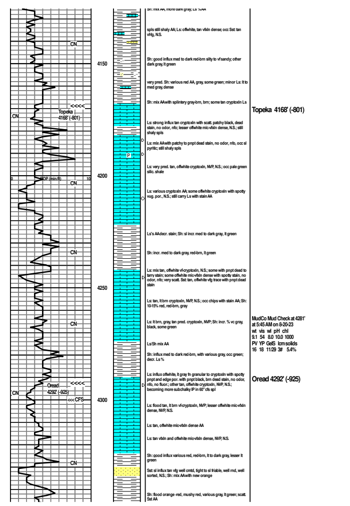
Curve Track 1 ROP (min/ft)	MD	Lithology	Oil Shows	Geological Descriptions	Remarks

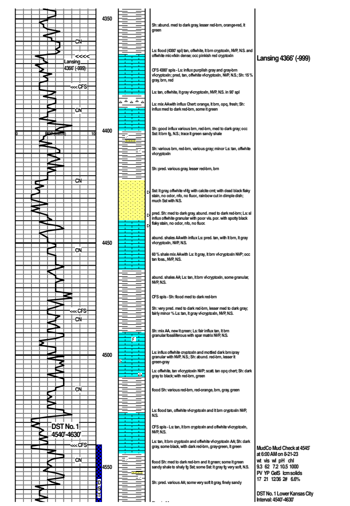
Morning Depth & Activity
8-15-2923 MIRT, Spud at 9:45 PM
8-16 cementing @354'
8-17 Drlg. @1445'
8-18 Drlg. @3228'
8-19 Drlg. @3895'
8-20 Drlg. @4280'
8-21 Drlg. @4543'
8-22 TIH post DST #1
8-23 Drlg. @4890'
8-24 CTCH @5280' RTD
8-25 Logging complete, P&A

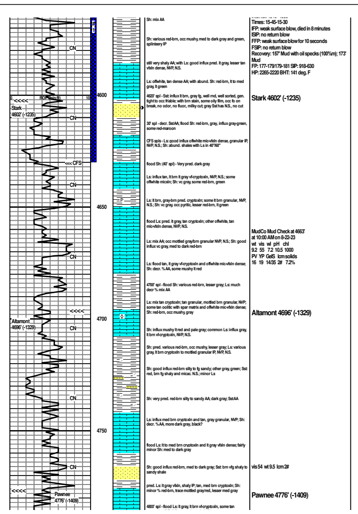


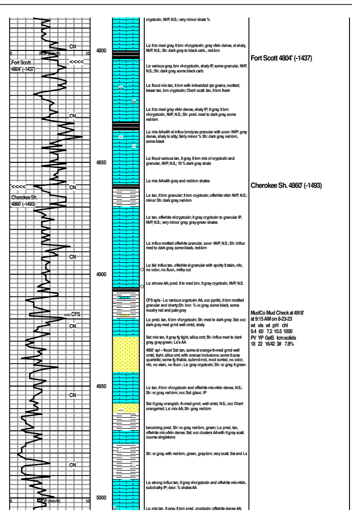


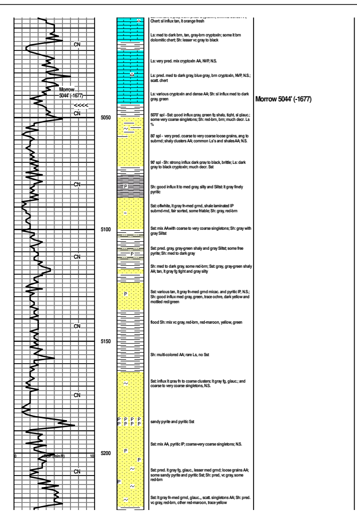


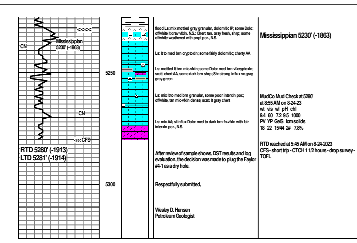












DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating, Inc**

PO Box 86,
Plainville, KS, 67663

ATTN: Wes Hansen

Faylor #4-1

4-1s-41w Cheyenne,KS

Start Date: 2023.08.21 @ 18:50:00

End Date: 2023.08.22 @ 02:22:00

Job Ticket #: 70296 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.28 @ 14:10:37

DRILL STEM TEST REPORT

H&C Oil Operating, Inc

PO Box 86,
Plainville, KS, 67663

ATTN: Wes Hansen

4-1s-41w Cheyenne,KS

Faylor #4-1

Job Ticket: 70296 **DST#: 1**

Test Start: 2023.08.21 @ 18:50:00

GENERAL INFORMATION:

Formation: **Lower Lansing**
Deviated: No Whipstock: 3367.00 ft (KB)
Time Tool Opened: 21:49:30
Time Test Ended: 02:22:00

Test Type: Conventional Bottom Hole (Initial)
Tester: David Urban
Unit No: 67

Interval: 4540.00 ft (KB) To 4630.00 ft (KB) (TVD)
Total Depth: 4630.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

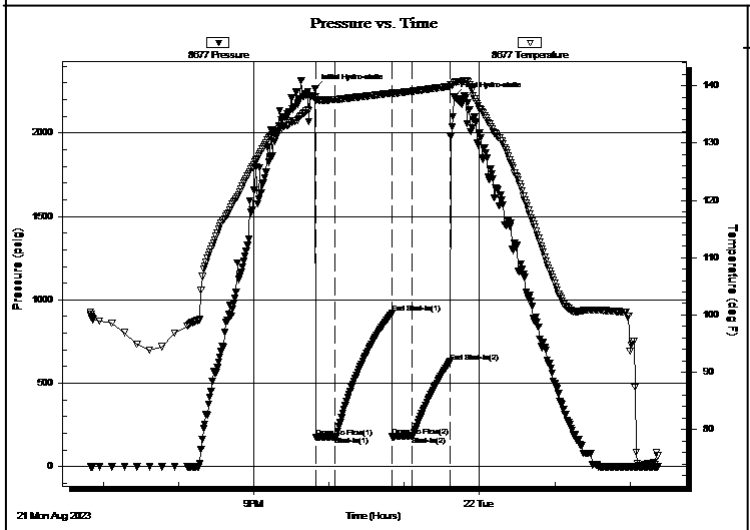
Reference Elevations: 3367.00 ft (KB)
3356.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8677 **Outside**

Press@RunDepth: 181.00 psig @ 4541.00 ft (KB)
Start Date: 2023.08.21 End Date: 2023.08.22
Start Time: 18:50:05 End Time: 02:21:59

Capacity: 8000.00 psig
Last Calib.: 2023.08.22
Time On Btm: 2023.08.21 @ 21:49:00
Time Off Btm: 2023.08.21 @ 23:40:00

TEST COMMENT: IF- Tool slid 7' Weak surface blow , Died after 8 minutes.
ISI- No return.
FF- Weak surface for 10 seconds, then the blow died.
FSI- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.11	138.08	Initial Hydro-static
1	177.21	137.41	Open To Flow (1)
16	179.41	137.57	Shut-In(1)
61	918.19	138.71	End Shut-In(1)
62	179.04	138.59	Open To Flow (2)
77	181.00	139.04	Shut-In(2)
108	629.51	139.89	End Shut-In(2)
111	2219.78	140.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
157.00	M w/oil spots- 100%M	0.77
173.00	M- 100%M	2.28

Gas Rates

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

DRILL STEM TEST REPORT

H&C Oil Operating, Inc

PO Box 86,
Plainville, KS, 67663

ATTN: Wes Hansen

4-1s-41w Cheyenne,KS

Faylor #4-1

Job Ticket: 70296 **DST#: 1**

Test Start: 2023.08.21 @ 18:50:00

GENERAL INFORMATION:

Formation: **Lower Lansing**
Deviated: No Whipstock: 3367.00 ft (KB)
Time Tool Opened: 21:49:30
Time Test Ended: 02:22:00

Test Type: Conventional Bottom Hole (Initial)
Tester: David Urban
Unit No: 67

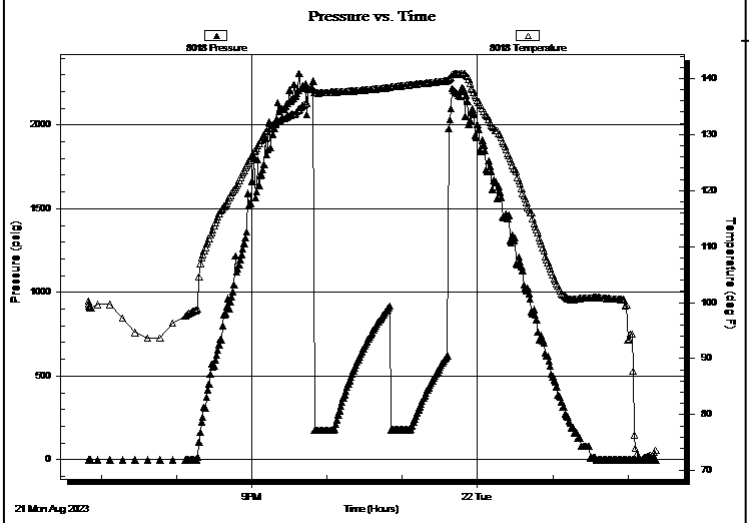
Interval: 4540.00 ft (KB) To 4630.00 ft (KB) (TVD)
Total Depth: 4630.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3367.00 ft (KB)
3356.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: psig @ 4541.00 ft (KB)
Start Date: 2023.08.21 End Date: 2023.08.22
Start Time: 18:50:05 End Time: 02:21:59

Capacity: 8000.00 psig
Last Calib.: 2023.08.22
Time On Btm:
Time Off Btm:

TEST COMMENT: IF- Tool slid 7' Weak surface blow , Died after 8 minutes.
ISI- No return.
FF- Weak surface for 10 seconds, then the blow died.
FSI- No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
157.00	M w/oil spots- 100%M	0.77
173.00	M- 100%M	2.28

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Operating, Inc

PO Box 86,
Plainville, KS, 67663

ATTN: Wes Hansen

4-1s-41w Cheyenne,KS

Faylor #4-1

Job Ticket: 70296 **DST#: 1**

Test Start: 2023.08.21 @ 18:50:00

Tool Information

Drill Pipe:	Length:	4355.00 ft	Diameter:	3.80 inches	Volume:	61.09 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	173.00 ft	Diameter:	2.25 inches	Volume:	0.85 bbl	Weight to Pull Loose:		16000.00 lb
					Total Volume:	61.94 bbl	Tool Chased		7.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	66000.00 lb
Depth to Top Packer:		4540.00 ft						Final	66000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		90.00 ft							
Tool Length:		122.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00		Fluid	4509.00		
Shut In Tool	5.00			4514.00		
Hydraulic tool	5.00			4519.00		
Jars	5.00			4524.00		
EM Tool	4.00			4528.00		
Safety Joint	3.00			4531.00		
Packer	5.00			4536.00	32.00	Bottom Of Top Packer
Packer	4.00			4540.00		
Stubb	1.00			4541.00		
Recorder	0.00	8677	Outside	4541.00		
Recorder	0.00	8018	Inside	4541.00		
Perforations	21.00			4562.00		
Change Over Sub	1.00			4563.00		
Drill Pipe	63.00			4626.00		
Change Over Sub	1.00			4627.00		
Bullnose	3.00			4630.00	90.00	Bottom Packers & Anchor
Total Tool Length:	**122.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating, Inc

PO Box 86,
Plainville, KS, 67663

ATTN: Wes Hansen

4-1s-41w Cheyenne,KS

Faylor #4-1

Job Ticket: 70296 **DST#: 1**

Test Start: 2023.08.21 @ 18:50:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
157.00	M w /oil spots- 100%M	0.772
173.00	M- 100%M	2.281

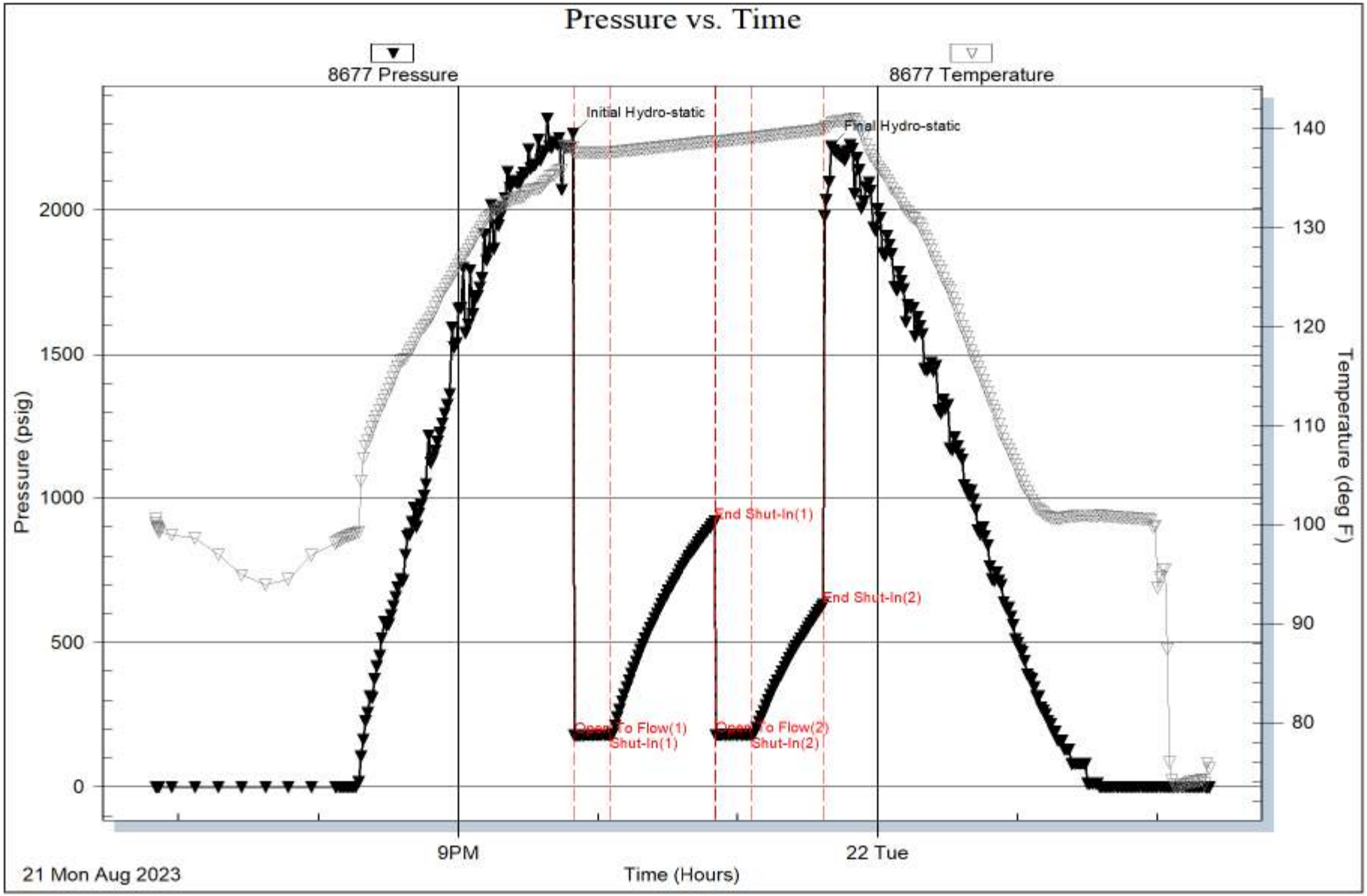
Total Length: 330.00 ft Total Volume: 3.053 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

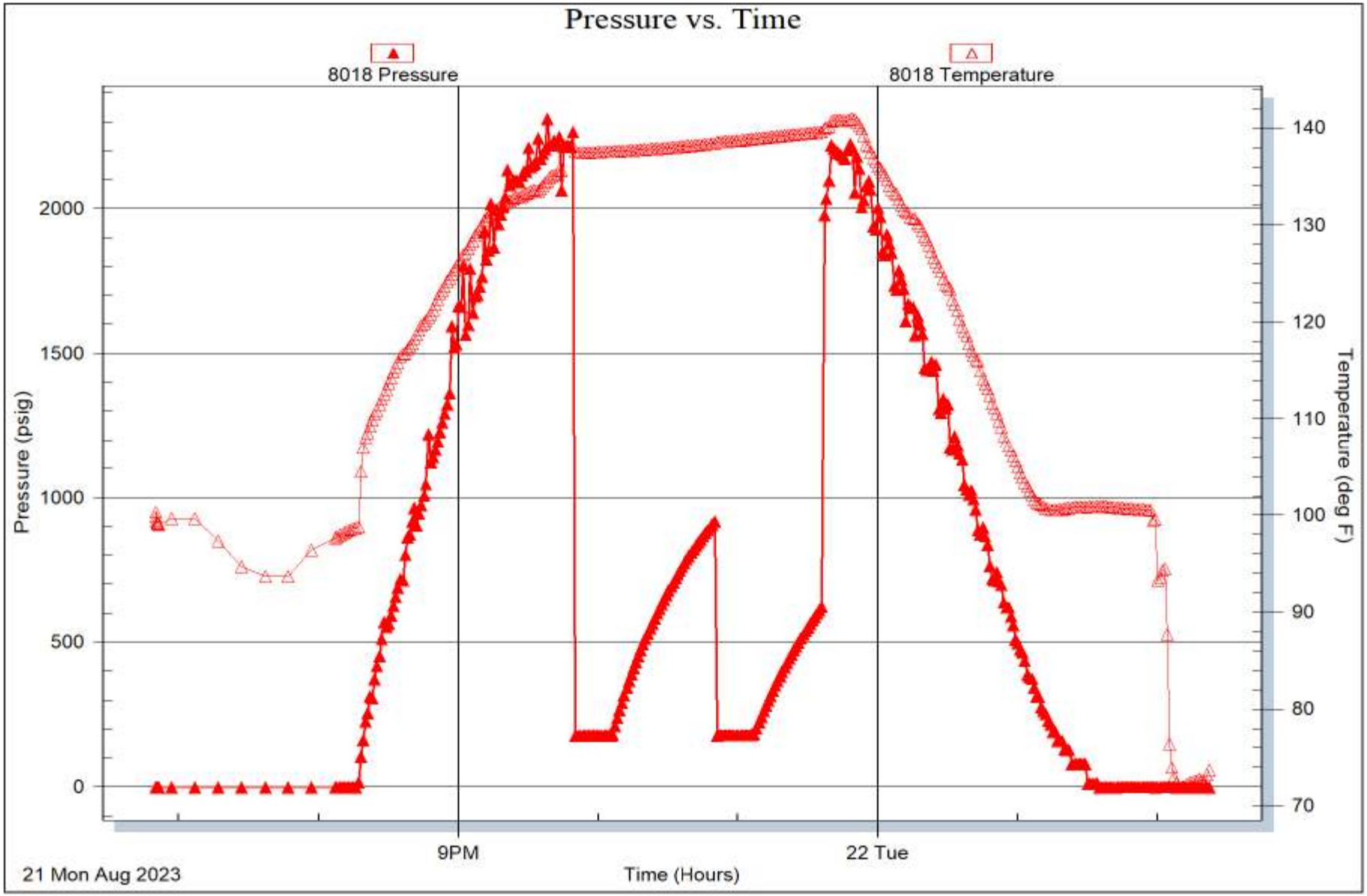
Recovery Comments: LCM- 2#

Serial #: 8677 **Outside** H&C Oil Operating, Inc Faylor #4-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 70296 Printed: 2023.08.28 @ 14:10:37

Serial #: 8018 **Inside** H&C Oil Operating, Inc Faylor #4-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 70296 Printed: 2023.08.28 @ 14:10:37

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70296

Well Name & No. Faylor #4-1 Test No. 1 Date 8/21/23

Company H & C Oil Operating, Inc. Elevation 3367 KB 3356 GL

Address PO Box 86, Plainville, KS 67663

Co. Rep / Geo Wes Hansen Rig Duke #5

Location: Sec. 4 Twp 1s Rge. 41W Co. Cheyenne State KS

Interval Tested 4540-4630 Zone Tested Lower Lansing

Anchor Length 90' Drill Pipe Run 4355 Mud Wt. 9.3

Top Packer Depth 4535 Drill Collars Run 173 Vis 62

Bottom Packer Depth 4540 Wt. Pipe Run 0.0 WL 7.2

Total Depth 4630 Chlorides 1000 ppm System LCM 2#

Blow Description IF Weak surface blow, Died after 8 minutes.

ISI- No return.

FF- Weak surface for 10 seconds, then the blow died.

FSI- No return

Rec 157	Feet of Mud spots	%gas	%oil	%water	100	%mud
Rec 173	Feet of M	%gas	%oil	%water	100	%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 330 BHT 141° F Gravity — API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 2265

Initial Flow 177 to 179

Initial Shut-In 918

Final Flow 179 to 181

Final Shut-In 630

Final Hydrostatic 2220

T- On Location 15:50

Initial Flow 15 T-Started 18:50

Initial Shut-In 45 T-Open 21:50

Final Flow 15 T-Pulled 23:36

Final Shut-In 30 T-Out 2:22 8/22

- [x] Test 1950
- [x] Jars 300
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 182 RT 318.50
- [ ] Sampler 50rt 43.75
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [x] Day Standby x2 2d 16.5h

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Hotel
- [x] EM Tool Successful -350
- [ ] Accessibility
- [ ] Gas Sample
- [ ] Sub Total 1600 - 350
- [ ] Total 3862.25
- [x] Tool Loaded 8/24 @ 18:50
- [ ] MP/DST Disc't

Comments 350 miles RT to pick up tool

Approved By _____ Our Representative _____

CEMENT TREATMENT REPORT

Customer:	H & C Oil Operating	Well:	Faylor #4-1	Ticket:	WP 4612
City, State:	Haigler NE	County:	Cheyenne KS	Date:	8/16/2023
Field Rep:	Bob Plant	S-T-R:	4-1S-41W	Service:	Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	354 ft
Casing Size:	8 5/8 in
Casing Depth:	337 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	21.0 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft^3 / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	337 ft
Annular Volume:	24.8 bbls
Excess:	
Total Slurry:	81.6 bbls
Total Sacks:	325 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
2:15 AM			-	-	Arrived on location
2:25 AM				-	Safety meeting
2:35 AM				-	Rigged up
5:05 AM				-	Casing on bottom
5:15 AM				-	Circulated mud
5:35 AM	4.5	220.0	5.0	5.0	Water ahead
5:40 AM	4.0	250.0	81.6	86.6	Mixed 325 sacks H-325 cement @ 14.8 ppg
6:15 AM	6.0	220.0	21.0	107.6	Begin displacement
6:19 AM		210.0		107.6	Plug down and shut in with 5 bbls/20 sacks cement circulated to pit
6:21 AM				107.6	Washed up and rigged down
7:10 AM				107.6	Left location

	CREW	UNIT
Cementer:	John	947
Pump Operator:	Jose T	537-520
Bulk #1:	Robert	538-530
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.8 bpm	225 psi	108 bbls

ltv: 15-2021/01/25
mplv: 405-2023/08/01

NT TREATMENT REPORT

Customer:	H & C Oil	**Well:**	Faylor #4-1	**Ticket:**	WP 4652
City, State:	Haigler NE	**County:**	Cheyenne KS	**Date:**	8/24/2023
Field Rep:	Carlos	**S-T-R:**	4-1S-41W	**Service:**	PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	5289 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-Plug A
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft^3 / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	3700 ft
Annular Volume:	150.2 bbls
Excess:	
Total Slurry:	64.4 bbls
Total Sacks:	255 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
11:10 PM			-	-	Arrived on location
11:20 PM				-	Safety meeting
11:30 PM				-	Rigged up
12:15 AM	2.7	400.0	5.0	5.0	Water ahead
12:19 AM	4.0	425.0	12.6	17.6	Mixed 50 sacks H-Plug A cement 13.8 ppg @ 3700'
12:23 AM	2.5	150.0	5.0	22.6	Begin water displacement
12:28 AM				22.6	Begin mud displacement with rig pump for 3:00 minutes
				22.6	
1:10 AM	2.5	250.0	5.0	27.6	Water ahead
1:15 AM	3.7	200.0	25.2	52.8	Mixed 100 sacks H-Plug A cement 13.8 ppg @ 2600'
1:21 AM	2.0	150.0	5.0	57.8	Begin water displacement
1:26 AM					Begin mud displacement with rig pump for 2:00 minutes
2:49 AM	3.0	150.0	5.0		Water ahead
2:51 AM	3.5	150.0	12.6		Mixed 50 sacks H-Plug A cement 13.8 ppg @ 400'
2:56 AM	2.0	50.0	1.0		Begin water displacement
4:09 AM	2.0	50.0	2.5		Mixed 10 sacks H-Plug A cement @ 13.8 ppg with wooden plug for top 40'
4:15 AM	2.0	50.0	3.7		Mixed 15 sacks H-Plug A cement @ 13.8 ppg for mousehole plug
4:21 AM	2.0	50.0	7.5		Mixed 30 sacks H-Plug A cement @ 13.8 ppg for rathole plug
4:25 AM					Plug down
4:27 AM					Washed up and rigged down
5:00 AM					Left location

CREW		UNIT
Cementer:	John	947
Pump Operator:	Jose T	208
Bulk #1:	Robert	205
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
2.7 bpm	173 psi	90 bbls

ftv: 15-2021/01/25
mplv: 405-2023/08/01