

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	TILLEY 7
Doc ID	1664889

Tops

Name	Top	Datum
Stone Corral	1765	+722
Heebner	3793	-1306
Lansing	3836	-1349
BKC	4128	-1641
Ft Scott	4339	-1852
BPL	4406	-1919
Mississippian	4438	-1951
Gilmore City	4622	-2135
LTD	4645	0



DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co**

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206

ATTN: Larry Friend

Tilley #7

8-17s-24w Ness,KS

Start Date: 2022.09.11 @ 20:45:00

End Date: 2022.09.12 @ 05:53:15

Job Ticket #: 69853 DST #: 1

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

Printed: 2022.09.14 @ 08:59:41



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Co
1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Larry Friend

8-17s-24w Ness,KS

Tilley #7

Job Ticket: 69853

DST#: 1

Test Start: 2022.09.11 @ 20:45:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:07:00
 Time Test Ended: 05:53:15
 Interval: **4409.00 ft (KB) To 4453.00 ft (KB) (TVD)**
 Total Depth: 4453.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Terrance
 Unit No: 75
 Reference Elevations: 2487.00 ft (KB)
 2480.00 ft (CF)
 KB to GR/CF: 7.00 ft

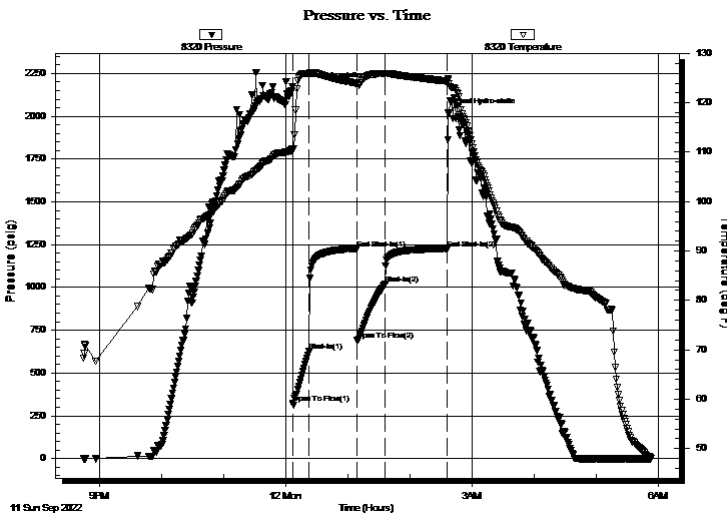
Serial #: 8320

Outside

Press@RunDepth: 1018.43 psig @ 4416.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.09.11 End Date: 2022.09.12 Last Calib.: 2022.09.12
 Start Time: 20:45:05 End Time: 05:53:15 Time On Btm: 2022.09.12 @ 00:06:45
 Time Off Btm: 2022.09.12 @ 02:37:00

TEST COMMENT: IF-15-BOB 3 min [89 inches IPRO]
 IS-45-No return
 FF-30-BOB 3 min [106 inches IPRO]
 FS-60-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2172.95	110.77	Initial Hydro-static
1	323.61	110.28	Open To Flow (1)
17	627.98	125.93	Shut-In(1)
63	1227.34	123.93	End Shut-In(1)
63	692.71	123.69	Open To Flow (2)
90	1018.43	125.85	Shut-In(2)
150	1227.06	124.39	End Shut-In(2)
151	2020.65	124.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1730.00	100 % w ater	23.04
240.00	80% w ater 20% mud	3.35
300.00	50 % w ater 50% mud	4.19

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co

8-17s-24w Ness,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Larry Friend

Tilley #7

Job Ticket: 69853

DST#: 1

Test Start: 2022.09.11 @ 20:45:00

Tool Information

Drill Pipe:	Length: 4263.00 ft	Diameter: 3.79 inches	Volume: 59.48 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: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4409.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.88 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4379.00	
Shut In Tool	5.00			4384.00	
Hydraulic tool	5.00			4389.00	
Jars	5.00			4394.00	
EM Tool	3.00			4397.00	
Safety Joint	3.00			4400.00	
Packer	5.00			4405.00	31.00 Bottom Of Top Packer
Packer	4.00			4409.00	
Stubb	1.00			4410.00	
Perforations	6.00			4416.00	
Recorder	0.00	8368	Inside	4416.00	
Recorder	0.00	8320	Outside	4416.00	
Change Over Sub	1.00			4417.00	
Drill Pipe	32.00			4449.00	
Change Over Sub	1.00			4450.00	
Bullnose	3.00			4453.00	44.00 Bottom Packers & Anchor
Total Tool Length:	75.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co

8-17s-24w Ness,KS

1700 N Waterfront Pkwy
Bldg 600
Wichita KS 67206
ATTN: Larry Friend

Tilley #7

Job Ticket: 69853

DST#: 1

Test Start: 2022.09.11 @ 20:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 6.79 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1730.00	100 %w ater	23.037
240.00	80% w ater 20% mud	3.349
300.00	50 %w ater 50% mud	4.186

Total Length: 2270.00 ft Total Volume: 30.572 bbl

Num Fluid Samples: 0

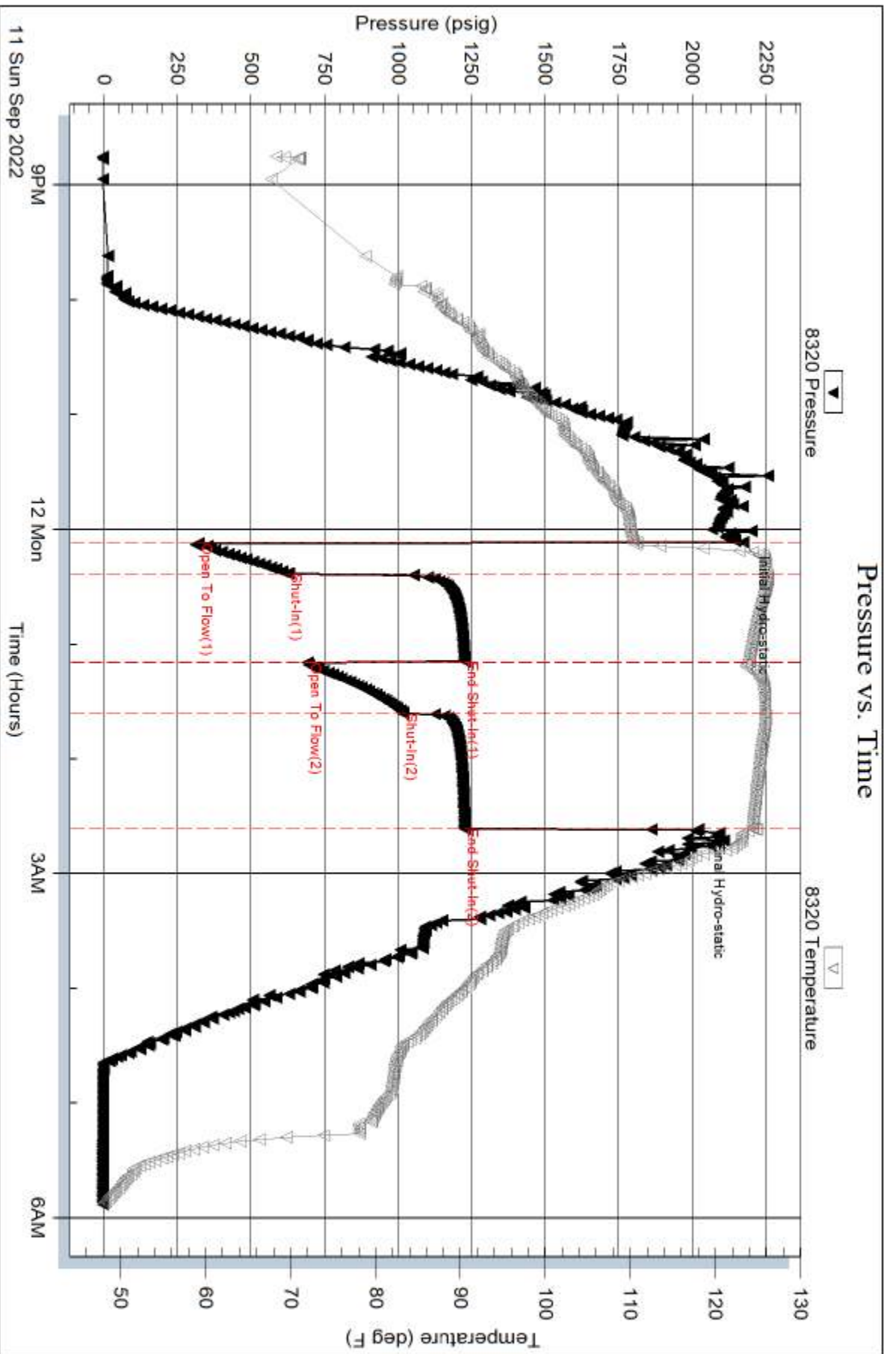
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



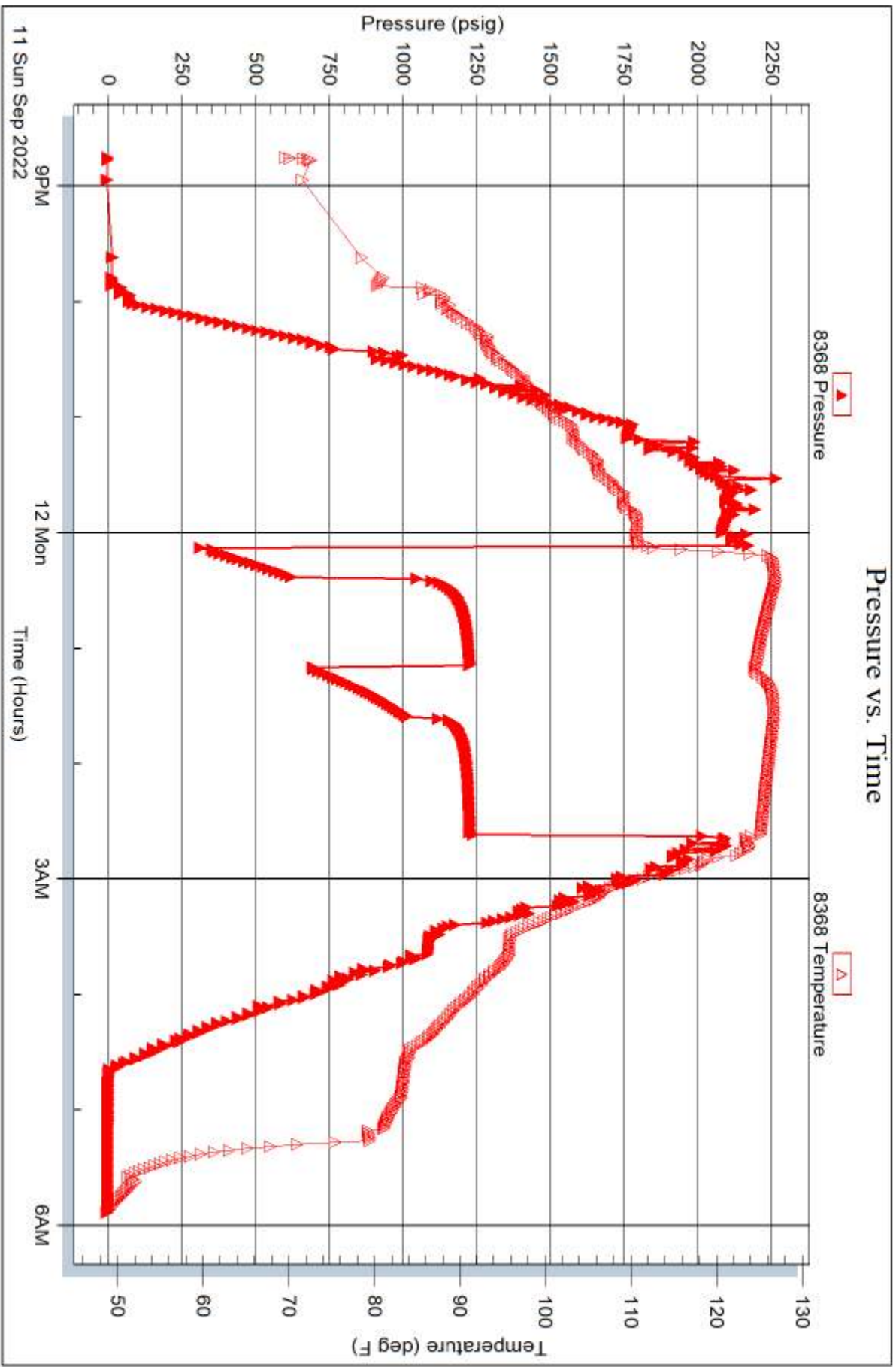
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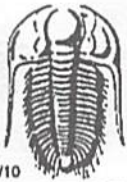
Inside

Grand Mesa Operating Co

Tiley #7

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69853**

Well Name & No. Tilley #7 Test No. 1 Date 9-11-22
 Company Grand Mesa Operating Co. Elevation 2487 KB 2480 GL
 Address 1700 N Waterfront PKWY Bldg 400 Wichita, KS 67208
 Co. Rep / Geo. Larry Swicand Rig Pickwell 10
 Location: Sec. 8 Twp 17 Rge. 24w Co. Ness State Ks

Interval Tested 4409-4453 Zone Tested M:SS
 Anchor Length 42 Drill Pipe Run 4263 Mud Wt. 9.1
 Top Packer Depth 4404 Drill Collars Run 122 Vis 54
 Bottom Packer Depth 4409 Wt. Pipe Run _____ WL 6.8
 Total Depth 4453 Chlorides 2,000 ppm System LCM 2#
 Blow Description IF-15-BOB in 3min (89 inches IPRD)
IST-45-No Return
FF-30-BOB in 3min (104 inches IPRD)
FSI-60-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>300</u>				<u>50</u>	<u>50</u>
<u>240</u>				<u>80</u>	<u>20</u>
<u>1730</u>				<u>100</u>	

Rec Total ~~1095~~ 2070 BHT Gravity _____ API RW .15 @ 80° F Chlorides 45,000 ppm
 (A) Initial Hydrostatic 2173 Test 1950 T-On Location 9:00 19:00
 (B) First Initial Flow 324 Jars 300 T-Started 20:45
 (C) First Final Flow 428 Safety Joint _____ T-Open 12:07
 (D) Initial Shut-In 1227 Circ Sub _____ T-Pulled 2:32
 (E) Second Initial Flow 693 Hourly Standby _____ T-Out 5:50
 (F) Second Final Flow 1018 Mileage 60 x 2 60 x 2 Comments loaded tools 9/12 21:00
 (G) Final Shut-In 1227 Sampler _____ Had to go back to pick up tools
 (H) Final Hydrostatic 2020 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2610
 Sub Total 2610 MP/DST Disc't _____

Initial Open 15
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60

Approved By _____ Our Representative Terrance Wickham

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

WELL INFORMATION

Company: GRAND MESA OPERATING COMPANY
 Address: 1700 N. WATERFRONT PKWY, BLDG 600
 WICHITA, KS 67206-5514

Well Name: TILLEY #7-8

Location: 367 FSL & 875 FWL
 SECTION 8-T17S-R24W
 NESS COUNTY, KANSAS

API: 15-135-26180-00-00
 Field: DICKMAN

K. B. Elevation: 2487 Rotary Depth: 4645
 Ground Elevation: 2480 Log Depth: 4645

Spud Date: 9/7/2022 Drilling Completed: 9/12/2022

Completion: Surface Casing: 8 5/8" SET @ 221' Production Casing: NONE: D&A

Formation at TD: MISSISSIPPIAN
 Drilling Fluid Type: CHEMICAL

Rig Contractor: PICKRELL DRLG, RIG #10
 Logger: ELI WIRELINE SERVICES Logs Run: DI, CND, MICRO

Wellsite Geologist: LARRY P. FRIEND

FORMATION DEPTHS

COMPARE TO:
 WALTERS DRILLING
 TILLEY #3-8
 SW SW, SEC 8-T17S-R24W

FORMATION	SAMPLE (SOME CORRECTED)	LOG	
STONE CORRAL	1765 (+722)	1765 (+722)	+12
HEEBNER	3796 (-1309)	3793 (-1306)	+20
LANSING	3839 (-1352)	3836 (-1349)	N/A
BS KANSAS CITY	4128 (-1641)	4128 (-1641)	N/A
FT. SCOTT	4345 (-1858)	4340 (-1853)	+21
BS PENN LIME	4411 (-1924)	4306 (-1919)	N/A
MISSISSIPPI	4431 (-1944)	4430 (-1943)	+29
GIL. CITY	4622 (-2135)	4622 (-2135)	N/A

NOTES

DUE TO THE NEGATIVE RESULTS OF DST #1 ALONG WITH NOT HAVING ANY OTHER FAVORABLE LOOKING PRODUCTIVE ZONES, IT WAS DECIDED TO P&A THE TILLEY #7-8.
 LPF

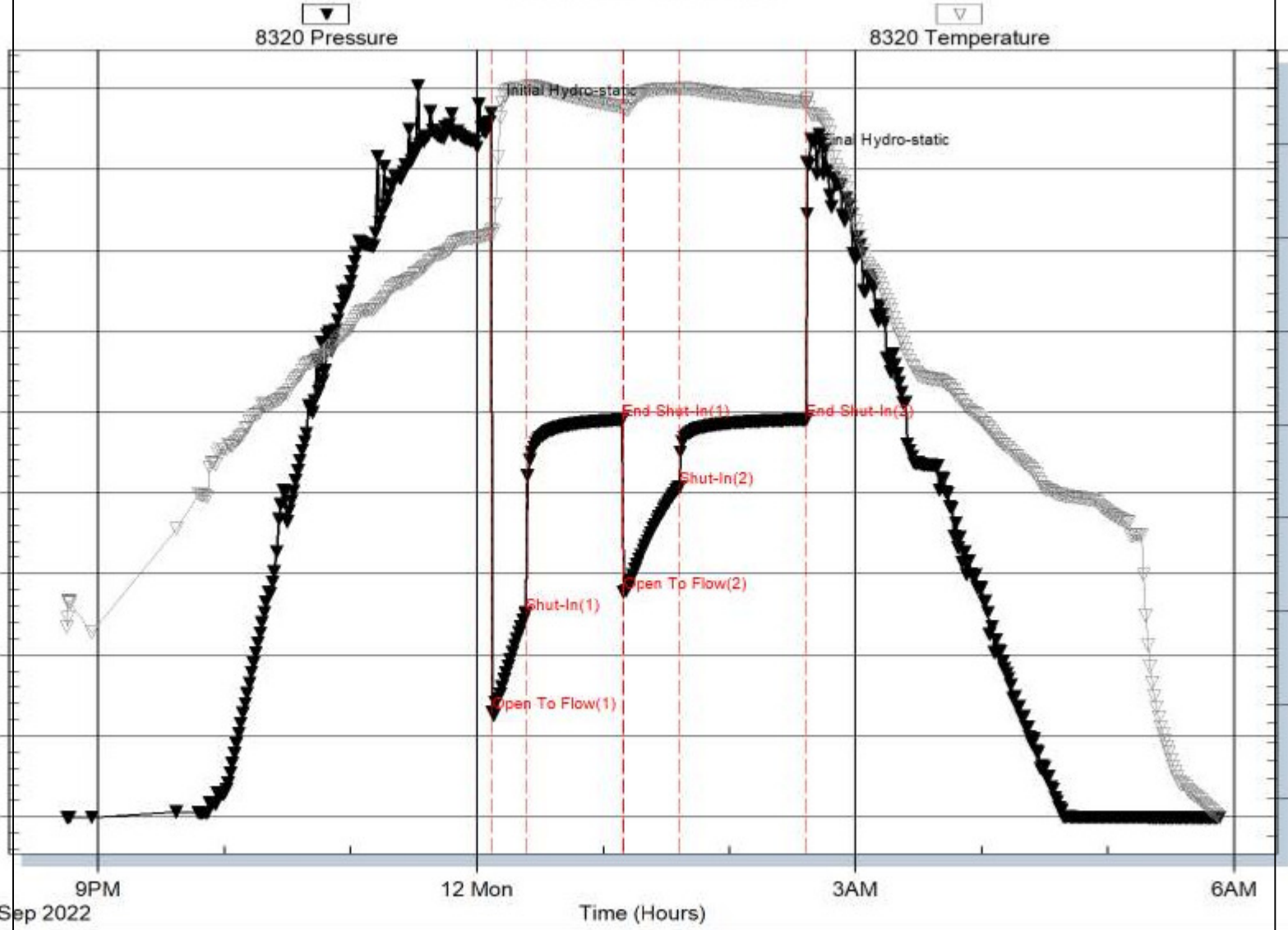
DRILLSTEM TESTS

No 1	Interval 4409-4453	Formation MISSISSIPPIAN
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DST #1 CHART : 4409-4453: MISSISSIPPI: REC: 2270' WTR_MCW, SIP: 1227-1227#

8320 Outside Grand Mesa Operating Co Tilley 7 DST Test Number: 1

Pressure vs. Time



ROCK TYPES

Cht	Dolsec	Ss	Ool grnst
Coal	Lmst fw7>	Shgy	

ACCESSORIES

MINERAL	FOSSIL
Argillaceous	Oolites
Carbonaceous Flakes	

- ▲ Carbonaceous Flakes
- ▲ Chert, dark
- △ Dolomitic
- Silty
- △ Chert White

OTHER SYMBOLS

OIL SHOWS

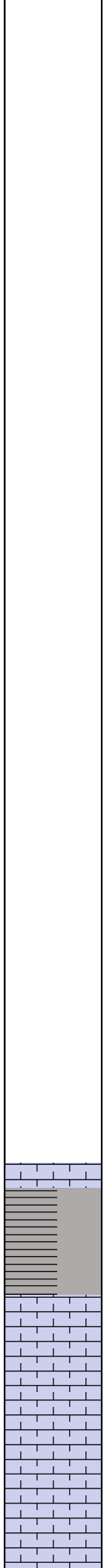
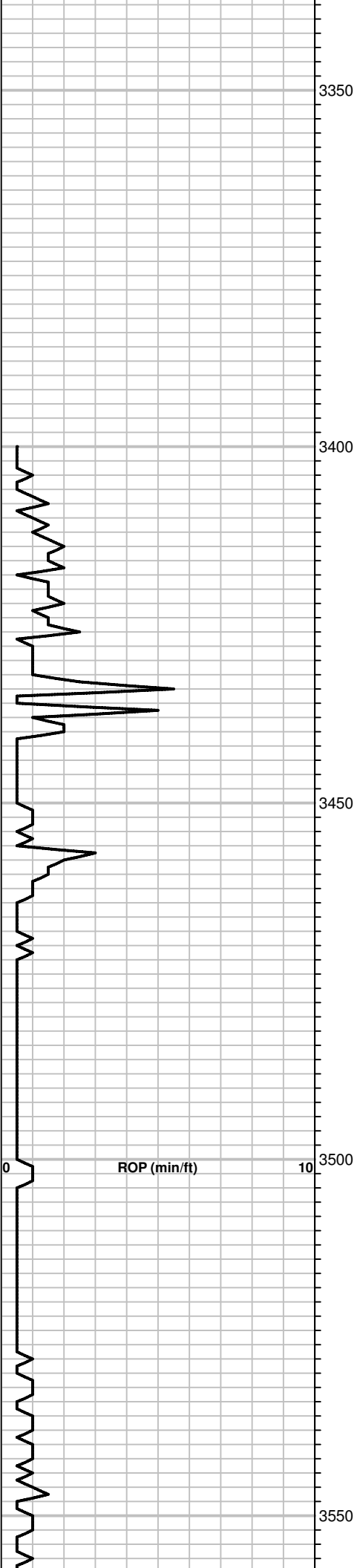
- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

INTERVALS

- Core
- DST

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

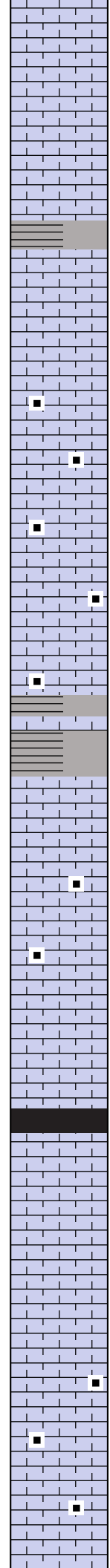
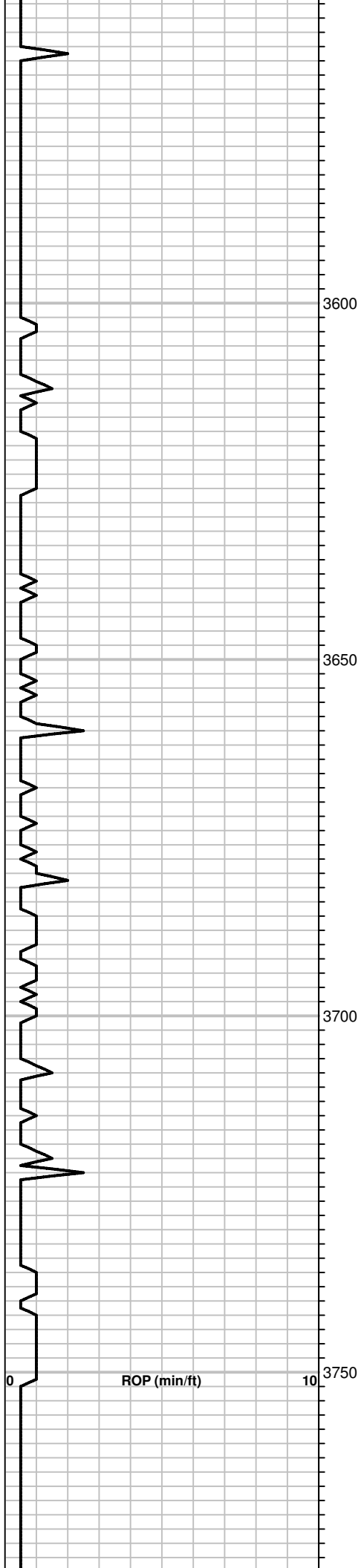
Curve Track #01 ROP (min/ft)	Depth Intervals Cored Interval DST Interval	Interpreted Lithology	Oil Shows	Geological Descriptions	Comment
<p style="text-align: center;">1:240 Imperial</p>					<p>7:00 AM DEPTHS:</p> <p>9/7: MIRU, SPUD @ 2:30PM SET SURFACE</p> <p>9/8: 349' 9/9: 2491' 9/10: 3817' BIT TRIP 4310'</p> <p>9/11: 4325' DST #1: 4453</p> <p>9/12: 4453' RTD 4645 @ 12:25PM</p> <p>DEVIATION SURVEYS:</p> <p>0.5 DEG @ 223' 0.75 DEG @ 754' 0.75 DEG @ 1354' 0.25 DEG @ 1859' 0.75 DEG @ 2333' 0.75 DEG @ 2870' 0.75 DEG @ 4310' 1.25 DEG @ 4645'</p>



DRILLING WITH A PDC BIT.

3610: LS, BRN, FXLN, DSE & SOME FOSS W/
PR. POR; SHALE GRY; NS

SAMPLES START @ 3600'



20: INC. SHALE, DK GRY.

30: TR. SH, BLK AND SHALE GRY; LS, TAN, FN GRAN, PR. POR; NS

40: MIXED: LS, TAN, GRAN TO LS, FXLN, PR. POR; SHALE, GRY, TR. SILTSTN; NS

50: LS, TAN, FN GRAN, PR. POR TO LS TAN, VFXLN, DSE; SHALE, GRY; NS

60: LS, CRM-TAN, FN GRAN, FOSS/ FRAG, PR-FR INTERGRAN. POR; NS

70: LS, TR. CRM, SLI CHLKY AND LS, TAN, FN GRAN, SLI. FOSS W/ PR - TR. FR. GRAN. POR & TR. SCAT. BRN CARBONACEOUS MATERIAL INTERMIXED.

80: FN GRAN. LS AA W/ TR. BRN SCAT. CARB. MAT, PR-FR GRAN POR; AND SOME CRM CHKLY LM; TR BLK SHALE; NS

90: AA, FN GRAN. LS, PR-FR. POR & SCAT. BRN CARB. MAT, NO FL, NO CUT; SHALE, GRY

3700: GRAN. LS AA W/ SCAT. CARB. MAT.; SOME LS, TAN, VFXLN, DSE; TR. GRN SILTSTN

10: LS, TAN, VFXLN, DSE TO LT. GRN, LMY SILTSTN; NS

20: LS, TAN, VFXLN PR. POR TO LS, FN GRAN SOME IS SHALEY, GRY; NS

30: LS, TAN, VFXLN AA TO LS, BRN, FN GRAN W/ PR-FR. INTER-GRAN. POR & BRN, CARB. MAT. INTER-MIXED

40: LS, TAN, FN. GRAN, SOME FOSS, SOME W/ BRN. SCAT. CARB. MAT INTER-MIXED; NS

60: SLI. INC BLK SHALE; AND LS, BRN, FN GRAN, SLI. FOSS, PR-FR. INTERGRAN. POR; NS

80: LS, GRANULAR, AA, AND SOME CRM, SOFT CHLKY LM; TR. BLK. SHALE; NS

3800: LS, TAN-BRN, FN GRAN, SLI. FOSS, PR-FR INTERGRAN. POR; SHALE, GRY; NS

20: LS, CRM-TAN, FN. GRAN, FR. INTERGRAN. POR, W/ SCAT BRN CARB. MAT INTERMIXED; TR. BLK SHALE; NS

**- HEEBNER SHALE -
3796 (-1309)**

**- LANSING -
3839 (-1352)**

3800

3850

3900

3950

40: BLACK, CARB. SHALE; TR. PYRITE; LS, GRAN. AA; SM. AMT. LS, TAN, VFXLN, PR. POR; NS

50: SHALE, GRY, GRN, TR. BLK; LS. TAN-GRY, VF-FXLN, PR. POR; NS

60: LS, CRM- TAN, FXLN TO FN. GRAN, SLI. FOSS, PR-FR. INTERGRAN. POR; NS

70: TAN - GRY, SILTY LS, PR. POR; NS

80: LS, TAN - BRN, FN. GRAN, SILTY, SLI. FOSS, PR - FR. INTERGRAN. POR; NS

90: TR. LS, TAN, FXLN, V. FOSS, W/ PR-FR. XLN POR; ALSO, GRY, SILTY LS W/ PR. POR TO GRY SILTY SHALE; NS

10: TR. LS, TAN, FXLN, FOSS W/ PR-FR. XLN. POR; AND LS CRM-TAN, FN GRAN, W/ PR-FR. GRAN. POR; & SOME LS, SHALE GRY, SILTY; NS

20: LS, TAN, TR. FXLN TO MOSTLY FN GRAN, PR-FR, INTERGRAN. POR; SHALE, VARY COLORED; NS

30: 1 PC LS, FXLN, TAN, FOSS. W/ FR. XLN. POR; AND LS, TAN VFXLN, DSE TO LS TAN, FN. GRAN. W/ PR-FR. INTERGRAN. POR; NS

40: LS, BRN, VFXLN, PR. VIS. POR TI LS, FN GRAN, AA; NS

50: LS, TAN, FN GRAN, PR-FR, INTERGRAN. POR; AND LS BRN, VFXLN, DSE; SH. GRY; NS

70 & 80: LS, BRN, FXLN, SPARRY, OOLITIC W/ FR-GD OOMOLDIC POR; ALSO TR. DOLO, TAN, FXLN W/ FR. XLN POR; NS

90: STILL TR. LS, OOL. W/FR. OOMOLD POR AND TR. TAN DOL. W/ FR. XLN POR, AA; & LS BRN, VFXLN, DSE; NS

4000: LS, GRY-BRN, VFXLN, DSE; AND SM. AMT. GRY, SILTY SHALE; NS

10: LS, AA BUT MUCH IS WEATHERED, CRM, SLI. CHLKY; NS

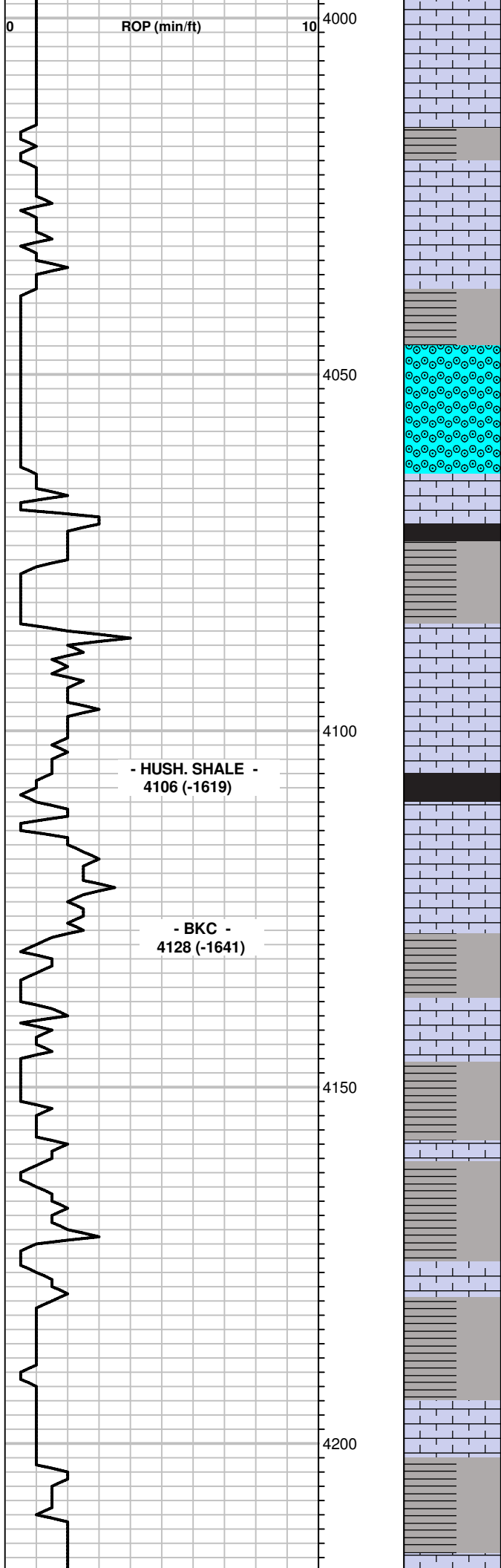
20: LS, VFXLN, BRN, DSE TO SOME WEATHERED CRM, SLI. CHLKY; TR. BLK SHALE, CARBONACEOUS; NS

30: SM. AMT. SHALE, GRY; LS, BRN, XLN TO LM, CRM, WEATH., W/ PR-FR. GRAN POR; NS

40: 1 PC LS, TAN, FOSS W/ FR. XLN. POR; & LS TAN-BRN, VFXLN, DSE TO SOME WEATH. SOFT; TR. SOFT, GRY SHALE; NS

DRILLING MUD @ 3861':

WT: 8.8
VIS: 63
FILTRATE: 8.8
CHLORIDES 2,500
LCM: 2



50: TR. BLK SHALE; LS, BRN, VFXLN, DSE TO MUCH WEATHERED, CRM, SOFTER; PR. OVERALL POR; NS

60: LS, CRM-BRN, VF-FXLN, DSE TO TR. GRAN. POR; NS

70: LS, BRN, DSE TO SOME WEATH, CRM, SLI. CHLKY; NS

80: FLOOD LS, BRN, FXLN, OOLITIC W/ GD OOMOLDIC POR; NS, NF

4100: SOME BLACK & VARY COLORED SHALE & OOMOLDIC LS AS ABV; NS

20: SOME OOMOLDIC LS AS ABV, PR-GD PR AND LS, BRN, VFXLN, DSE; & LS TAN, FN GRAN. W/ PR-FR. GRAN. POR; SHALE, BLK, GRY, GRN; NS

30: TR. BLK SHALE; LS, BRN, VFXLN, DSE TO LS, CRM, FN. GRAN, SLI CHLKY; NS

40: LS, AS ABV; SHALE, GRY & BLK.

50: LS, AS ABV; SHALE, GRY, GRN, BLK; NS

60: BIG INC. SHALE, BLK & GRY; LS, GRY-BRN, VFXLN, DSE; NS

70: SHALE AS ABV; SOME LS, BRN, GRAN., W/ PR-FR INTERGRAN. POR; NS

80: LS, GRY-TAN, VFXLN, DSE; SHALE GRY & BLK; NS

90: SHALE, BLK, GRY, MAROON; LS, FN GRAN, SLI. FOSS, PR. POR; TR. PYRITE; NS

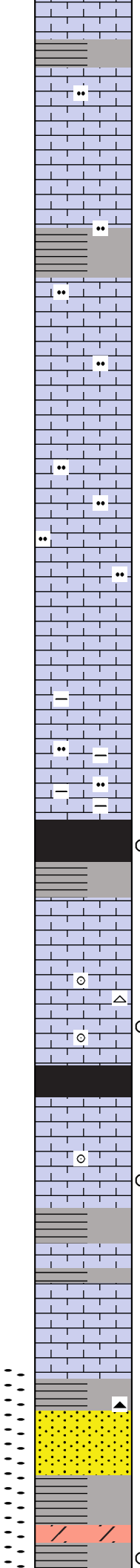
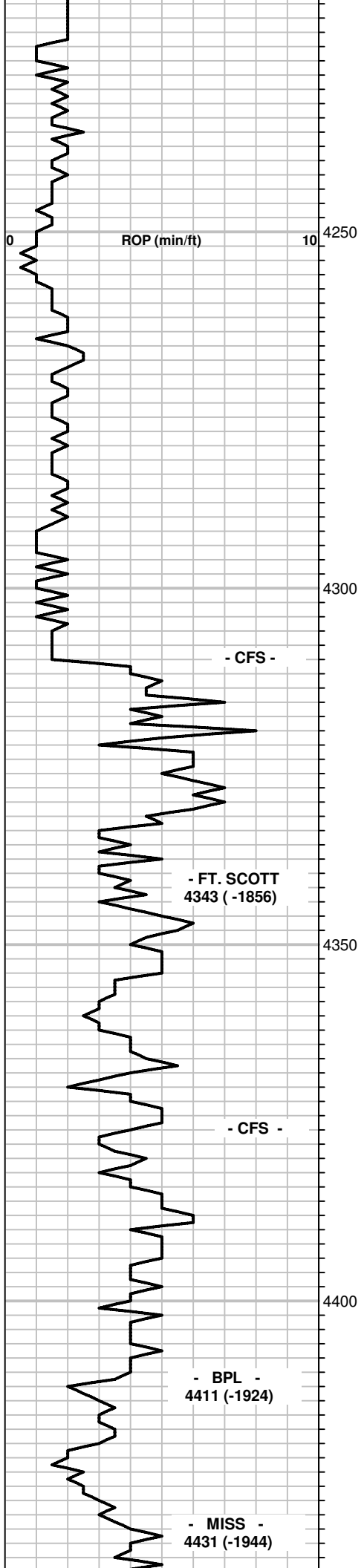
4200: LS, GRY, VFXLN, FOSS, DSE; SHALE, GRY, MAROON & BLK; NS

10: SHALE, GRY, GRN, SOME LMY & SILTY.

20: TR. LS, GRY-TAN, VFXLN, DSE; BUT MOSTLY SHALE, GRY, GRN, MAROON, SOME LMY & SILTY; NS

30: LS, GRY-BRN, VFXLN, DSE; SHALE, GRY, MAROON; NS

40: LS, AS ABV; SHALE, MAROON, GRN, GRY; NS



50: LS, GRY-BRN, VFXLN, DSE TO LS, CRM, GRAN., TR. SILTY; SHALE, GRY, MAROON; NS

60: LS, GRY-BRN, V. FN GRAN., SILTY TO TR. LMY SILTSTN; PR POR; NS

70: LS, GRY-TAN, VFXLN, DSE & SHALE, GRY; NS

80: CRM-TAN, LMY SILTSTN, TITE & LS, BRN, VFXLN, DSE; NS

90: 1 PC LS, V. FOSS, DSE; LS, BRN, DSE, SLI SILTY TO SM. AMT. LMY SILTSTN; SHALE, GRY, RED, TR. BLK; NS

100: LS, DULL BRN, VFN GRAN., SILTY, PR. POR; TR. BLK. SHALE; NS

10: LS, BRN, VFXLN, DSE & LESSER LS, BRN, FN, GRAN, SILTY; NS

30" CIRC: LS, BRN, FN. GRAN, SILTY, PR. POR & SHALE, GRY; NS

4330: POOR SAMPLE

40: LS, DK GRY, FN GRAN, SHLY & SLI. SILTY

50: SHLY LS AS ABV AND SOME BLK SHALE, CARB. W/ SSG; TR. PYRITE

60: LS, GRY-BRN, VFXLN, DSE TO SOME WEATH. CRM; NS

70 & 76: LS, BRN, VFXLN, DSE TO SOME SLI. CHKLY, 1 PC OOL W/ PR. POR; TR. CHERT; NS

76: 30" CIRC: R. TR. LS, GRAN, SLI. CHLKY, SLI. OOL, PR-FR GRAN POR, R. TR. FO, PR. SPTY LT. STN (TR. CALC FILL W/ SSFO) V. SLI. ODOR, NF

76: 60": LS, TAN-BRN, DSE TO TR. GRAN. POR; TR. BLK SHALE; NS

90 & 100: LS, BRN, VFXLN, DSE TO SOME WEATH. SLI. CHLKY; TR. BLK. SHALE; SLI. ODOR IN 100 SAMP; NO OTHER SHOW.

10: LS, AS ABV, TR. OOL/ FOSS W/ PR. POR; SHALE, GRY, BLK; TR. PYRITE; NS

20: LS, AS ABV; SHALE, GRN, MAROON; NS

30: INC. SHALE, GRY, BLUE, SOME IS HD & LMY; TR. CHERT, BLK, ORG, WH; NS

40: TITELY CEM. HARD, SILICEOUS SST, SILT - MED SIZE GRNS, SUBRD, SSFO, NO STN, NF

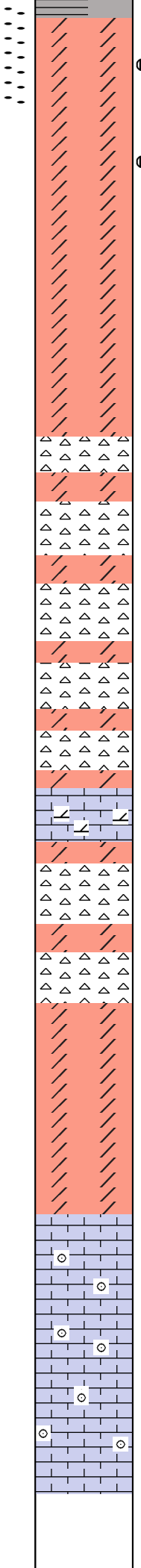
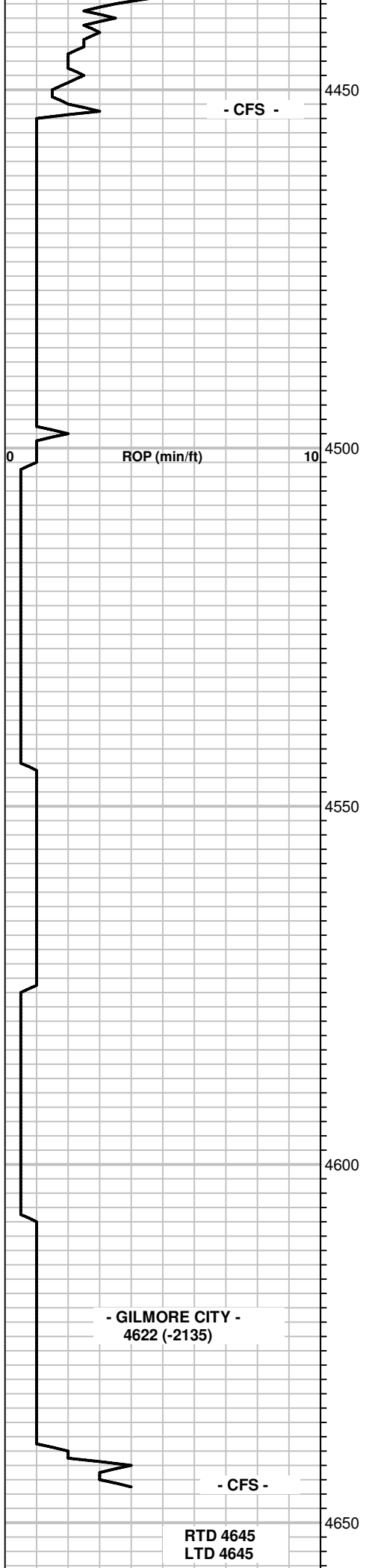
50: DOL, LT. GRY, VF-FXLN, HD, W/ SCAT. PR F. CAST. POR, VSSFO, PR SPTY DK STN, STG ODOR

BIT TRIP @ 4310, PUT ON BUTTON BIT.

DRILLING MUD @ 4350:
WT: 9.1
VIS: 56
FILTRATE: 6.8
CHLORIDES: 2,000
LCM: 2

1 FOOT OF 9% POROSITY ON LOG @ 4357 FT.

PIPE STRAP AT 4453 = 0.45' LONG TO BOARD



53: CIRC: DOL, LT. GRY, VFXLN, SM W/ FR-GD PPT-VUG POR, S-FSFO ON BRK, PT- TOT. LT. BRN SAT. STN; AND DOL, FXLN, SUC., FR XLN POR & SCAT. FR. PPT-VUG POR, SSFO TOT. LT BRN SAT STN, EVEN FL; STG. ODOR

90 & 100: DOL AS ABV, PR-GD PPT-VUG-FOSS. CAST POR, SSFO, SPTY-TOTAL LT. BRN SAT STN, EVEN LT FLUOR; STG ODOR.

16: DOL.LS, CRM, FXLN, FR. XLN. POR, TR. GLAUC, NS

25: DOL, TO DOL LS, CRM, FXLN, SUCROSIC, PR-FR. XLN. POR; NS

30: DOL, CRM-TAN, FXLN, SUCROSIC, PR-FR XLN POR; & TR. LS, FXLN, SLI. GLAUC, PR XLN POR; NS

40: CHERT, CRM, GRY, SHO, FOSS; DOL. BRN, FXLN W/ DK INCLUSIONS, PR-FR. XLN POR; NS

50: TR. CHERT AS ABV; DOL. BRN, FXLN, PR - FR XLN POR; NS

60 & 70: CHERT, CRM-GRY-TAN, SHP; & DOL. CRM-BRN, PR- FR XLN POR; NS

80: DOL, CRM-TAN, FXLN, SUC., FR. XLN POR; CHERT, CRM, SHP; & TR. BRN GLAUC. DOL W/ PR. XLN POR; NS

90: BRN. DOL. LS, FXLN, PR. VIS. POR & AS ABV; NS

4600: BRN DOL, FXLN, SUC, HARD W/ TR. FR. VUG POR; MUCH CHERT, CRM-GRY, SHP; NS

10: MOSTLY CHERT, CRM-GRY & TR. DOL. AS ABV; NS

20: MUCH CHT, CRM-GRY, SHP; SM. AMT. DOL, BRN, FXLN, SUC., HD, W/ PR. XLN POR; NS

30: CHERT, CRM-GRY, SHP; SOME DOL, TAN, FXLN, W/ TR. GLAUC, HD TO FR. XLN POR; NS

40: DOL. LS, CRM-TAN, FXLN, SUCROSIC W/ PR - FR. XLN POR; NS

45: DOL, LT. GREEN - LT GRY, FXLN, SUCRSIC W/ PR - FR XLN POR; AND LS, TAN, FN GRANULAR, SLI CHLKY, FOSS- OOLITIC, PR - FR. INTER-GRAN. POR; NS

4545: CIRC: LS, CRM-TAN, VF-FXLN, CSELY OOLITIC (FAINT OOLITES, RE-XTALIZED), DSE TO SOME. SLI. CHLKY W/ FR. GRAN. POR; NS

DST #1: 4409 - 4453 (MISS)
TIMES: 15-45-30-60
IF: BLOB OFF BTM IN 3"
FF: BLOW OFF BTM IN 3"
REC: TOTAL FL: 2270'
300' MW (50% M),
240' MCW (20%M)
1730' WTR
(RW: .15 @ 80 DEG. F.
CHLOR: 45,000 PPM)
IFP: 324-628#
FFP: 693-1018#
SIP: 1227-1227#
HP: 2173-2020#
NO TEMP.

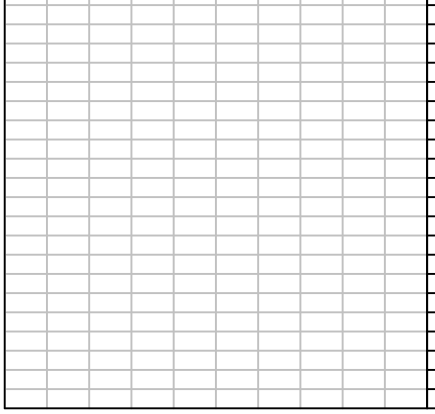
DRILLING MUD @ 4460':
WT: 9.1
VIS: 57
FILTRATE: 7.2
CHLORIDES: 2,500
LCM: 2

PUT PDC BIT BACK ON AFTER DST @ 4453 FT AND DRILLED WITH IT TO RTD.

- GILMORE CITY - 4622 (-2135)

RTD 4645
LTD 4645

PLUGGED AND ABANDONED:
PLUG DOWN 5:30AM ON 9/13/22

				
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