

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</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	Deutsch, Kent A. dba Deutsch Oil Company
Well Name	DIETZ #6-8
Doc ID	1773249

All Electric Logs Run

Micro
Dual Induction
Compensated Neutron Density
Frac Finder





**TREATMENT REPORT**

Customer:	Deutsch Oil Company	Well:	Dietz 6-8	Ticket:	wp 4961
City, State:	Natrona Kansas	County:	Pratt Kansas	Date:	12/4/2023
Field Rep:	Dave Pauly	S-T-R:	8-27s-12w	Service:	Longstring

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4450 ft
Casing Size:	5 1/2 in
Casing Depth:	4279 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	98.0 bbbls

Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.7 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbbls
Excess:	
Total Slurry:	19.1 bbbls
Total Sacks:	75 sx

Calculated Slurry - Tail	
Blend:	H-Long
Weight:	15 ppg
Water / Sx:	6.0 gal / sx
Yield:	1.42 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbbls
Excess:	35%
Total Slurry:	44.2 bbbls
Total Sacks:	175 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
7:15 PM			-	-	on location job and safety
7:30 PM					spot trucks and rig up
					turbolizers 1,3,5,7,9,11,13
					basket #2
9:00 PM					start casing in the hole
12:00 AM					casing on bottom and establish circulation
12:55 AM			7.6	7.6	plug rat hole with 30 sacks h-plug at b13.7ppg
1:00 AM				7.6	start cement sown hole
	4.2	130.0	11.4	19.0	mix 45 sacks h-plug as scavenger at 13.7 ppg
	5.0	300.0	44.2	63.2	mix 175 sacks H-Long at 15 ppg
1:15 AM					cement in and shut down and close in the manifold
					wash pump and lines and release the plug
1:23 AM					open top valve on the manifold and start displacement
	7.0	240.0	20.0		
	7.0	240.0	30.0		
	7.0	240.0	40.0		
	7.0	240.0	50.0		
	7.0	240.0	60.0		
	7.0	500.0	70.0		increase in pressure
	6.0	700.0	80.0		slow rate
	6.0	850.0	90.0		slow rate
1:45 AM	4.0	850.0	98.0		plug down
					took pressure from 850 to 1500
					release pressure and plug did hold

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	A Clifton	539/521	6.1 bpm	412 psi	601 bbbls
Bulk #1:	K Julian	176/532			
Bulk #2:					



**TREATMENT REPORT**

Client: **DEUTSCH OIL COMPANY**  
 City, State: \_\_\_\_\_  
 Field Rep: \_\_\_\_\_

Well: **DIETZ 6-8**  
 County: **PRATT, KS.**  
 S-T-R: **8-27S-12W**

Ticket: **WP 4935**  
 Date: **11/24/2023**  
 Service: **10 3/4" SURFACE**

**539-521**  
 Hole Size: **14 3/4 in**  
 Hole Depth: **250 ft**  
 Casing Size: **10 3/4 in** 40.5#  
 Casing Depth: **248 ft**  
 Tubing / Liner: **in**  
 PLUG Depth: **228 ft**  
 Tool / Packer: \_\_\_\_\_  
 Tool Depth: **ft**  
 Displacement: **22.4 bbls**

**Calculated Slurry - Lead**  
 Blend: **N/A**  
 Weight: **ppg**  
 Water / Sx: **gal / sx**  
 Yield: **ft<sup>3</sup> / sx**  
 Annular Bbls / Ft.: **bbs / ft.**  
 Depth: **ft**  
 Annular Volume: **0.0 bbls**  
 Excess: \_\_\_\_\_  
 Total Slurry: **0.0 bbls**  
 Total Sacks: **0 sx**

**Calculated Slurry - Tail**  
 Blend: **60/40 POZMIX A**  
 Weight: **14.8 ppg**  
 Water / Sx: **5.2 gal / sx**  
 Yield: **1.21 ft<sup>3</sup> / sx**  
 Annular Bbls / Ft.: **bbs / ft.**  
 Depth: **ft**  
 Annular Volume: **0 bbls**  
 Excess: \_\_\_\_\_  
 Total Slurry: **51.7 bbls**  
 Total Sacks: **240 sx**

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
6:30PM			-	-	ON LOCATION - SPOT EQUIPMENT - RIG UP
7:45PM			-	-	RUN 6 JTS 10 3/4" X 40.5# CASING
8:45PM			-	-	CASING ON BOTTOM
8:50PM			-	-	HOOK UP AND BREAK CIRCULATION WITH RIG PUMP AND MUD
9:05PM	5.0	200.0	5.0	5.0	H2o AHEAD
9:10PM	5.0	250.0	51.7	56.7	MIX 240 SKS 60/40 POZ @ 14.8 PPG
9:25PM	4.0	200.0	-	56.7	START DISPLACEMENT
9:40PM	3.0	200.0	22.4	79.1	CEMENT @ DESIRED DEPTH IN CASING
				79.1	CIRCULATED 10 BBL TO PIT
				79.1	CIRCULATION THRU JOB
				79.1	
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	936	Average Rate	Average Pressure	Total Fluid
Pump Operator:	CLIFTON	539-521	4.3 bpm	213 psi	79 bbls
Bulk #1:	LAWRENCE	182-534			
Bulk #2:					



**WELL TREATMENT REPORT**

Customer: <b>DEUTSCH OIL COMPANY</b>	Well: <b>DIETZ 6-8</b>	Ticket: <b>WP 4941</b>
City, State:	County: <b>PRATT, KS.</b>	Date: <b>11/25/2023</b>
Field Rep:	S-T-R: <b>8-27S-12W</b>	Service: <b>1" TO SURFACE</b>

Hole Size:	<b>14 3/4 in</b>
Hole Depth:	<b>250 ft</b>
Casing Size:	<b>10 3/4 in</b> 40.5#
Casing Depth:	<b>248 ft</b>
Tubing / Liner:	<b>in</b>
PLUG Depth:	<b>228 ft</b>
Tool / Packer:	
Tool Depth:	<b>ft</b>
Displacement:	<b>22.4 bbls</b>

Calculated Slurry - Lead	
Blend:	<b>N/A</b>
Weight:	<b>ppg</b>
Water / Sx:	<b>gal / sx</b>
Yield:	<b>ft<sup>3</sup> / sx</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>0.0 bbls</b>
Excess:	
Total Slurry:	<b>0.0 bbls</b>
Total Sacks:	<b>0 sx</b>

Calculated Slurry - Tail	
Blend:	<b>CLASS A CEMENT</b>
Weight:	<b>15.5 ppg</b>
Water / Sx:	<b>5.2 gal / sx</b>
Yield:	<b>1.20 ft<sup>3</sup> / sx</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>0 bbls</b>
Excess:	
Total Slurry:	<b>25.6 bbls</b>
Total Sacks:	<b>120 sx</b>

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
7:00AM			-	-	ON LOCATION- SPOT EQUIPMENT - RIG UP
					RUN IN 2 JTS OF 1" - TAG HIGH @ 35' - BREAK OFF AND RUN 1 JT
7:30AM	2.0	100.0	-	-	MIX CEMENT TO SURFACE @ 15.5 PPG
8:00AM	2.0	100.0	25.6	25.6	CEMENT IN CELLAR - WAIT 15 MINUTES TO MAKE SURE IT DOESN'T FALL
				25.6	CEMENT STAYED IN THE CELLAR
				25.6	WASH UP PUMP TRUCK
				25.6	
				25.6	JOB COMPLETE,
				25.6	THANKS- KEVEN AND CREW
				25.6	
				25.6	

CREW		UNIT	SUMMARY		
Cementer:	<b>LESLEY</b>	<b>936</b>	Average Rate	Average Pressure	Total Fluid
Pump Operator:	<b>CLIFTON</b>	<b>539-521</b>	2.0 bpm	100 psi	26 bbls
Bulk #1:	<b>LAWRENCE</b>	<b>182-534</b>			
Bulk #2:					



**CEMENT TREATMENT REPORT**

Customer: **DEUTSCH OIL COMPANY**  
 City, State:   
 Field Rep:   
 # 23

Well: **DIETZ 6-8**  
 County: **PRATT, KS.**  
 S-T-R: **8-27S-12W**

Ticket: **WP 4942**  
 Date: **11/26/2023**  
 Service: **8 5/8" SURFACE**

Hole Size: **9 7/8 in**  
 Hole Depth: **939 ft**  
 Casing Size: **8 5/8 in**  
 Casing Depth: **939 ft**  
 Tubing / Liner: **in**  
 PLUG Depth: **ft**  
 Tool / Packer:   
 Tool Depth: **ft**  
 Displacement: **57.4 bbls**

**Calculated Slurry - Lead**  
 Blend: **N/A**  
 Weight: **PPG**  
 Water / Sx: **gal / sx**  
 Yield: **ft<sup>3</sup> / sx**  
 Annular Bbls / Ft.: **bbs / ft.**  
 Depth: **ft**  
 Annular Volume: **0.0 bbls**  
 Excess:   
 Total Slurry: **0.0 bbls**  
 Total Sacks: **0 sx**

**Calculated Slurry - Tail**  
 Blend: **CLASS A+ 2% CC, 2% GYP, .25#CF**  
 Weight: **15.2 ppg**  
 Water / Sx: **5.8 gal / sx**  
 Yield: **1.29 ft<sup>3</sup> / sx**  
 Annular Bbls / Ft.: **bbs / ft.**  
 Depth: **ft**  
 Annular Volume: **0 bbls**  
 Excess:   
 Total Slurry: **45.9 bbls**  
 Total Sacks: **200 sx**

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
6:00PM			-	-	ON LOCATION- SPOT EQUIPMENT - RIG UP
9:45PM			-	-	RUN 22 JTS 8 5/8" X 24# CASING - BAFFLE PLATE IN 1ST COLLAR
11:15PM			-	-	CASING ON BOTTOM
11:20PM					HOOK UP TO CASING AND BREAK CIRCULATION WITH RIG PUMP AND MUD - NO CIRCULATION
11:30PM	5.0	150.0	5.0	5.0	H2o AHEAD OF CEMENT
11:31PM	5.0	200.0	45.9	50.9	MIX 200 SKS CLASS A CEMENT W/ 2%CC, 2% GYPSUM, 1/4#SK CELLFLAKE @ 15.2 PPG
11:41PM				50.9	SHUT DOWN- CLEAR LINES- DROP T.R. PLUG
12:00AM	5.0	200.0	-	50.9	START DISPLACEMENT
12:20AM	4.0	300.0	50.0	100.9	SLOW RATE
12:30 AM	3.0	300.0	57.4	158.3	PLUG DOWN
				158.3	DID NOT CIRCULATE CEMENT
12:40PM					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT
Cementer:	LESLEY	936
Pump Operator:	CLIFTON	539-521
Bulk #1:	JULLIAN	176-532
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.4 bpm	230 psi	158 bbls







## DRILL STEM TEST REPORT

Prepared For: **Deutsch Oil**

8100 E 2nd ST N Bldg 600  
Wichita, KS. 67226

ATTN: Aaron Young

**Dietz #6-8**

**8-27S-12W Pratt,KS**

Start Date: 2023.12.02 @ 14:20:08

End Date: 2023.12.02 @ 22:44:28

Job Ticket #: 71068                      DST #: 1

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

Printed: 2023.12.05 @ 11:27:13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Deutsch Oil  
8100 E 2nd ST N Bldg 600  
Wichita, KS. 67226  
ATTN: Aaron Young

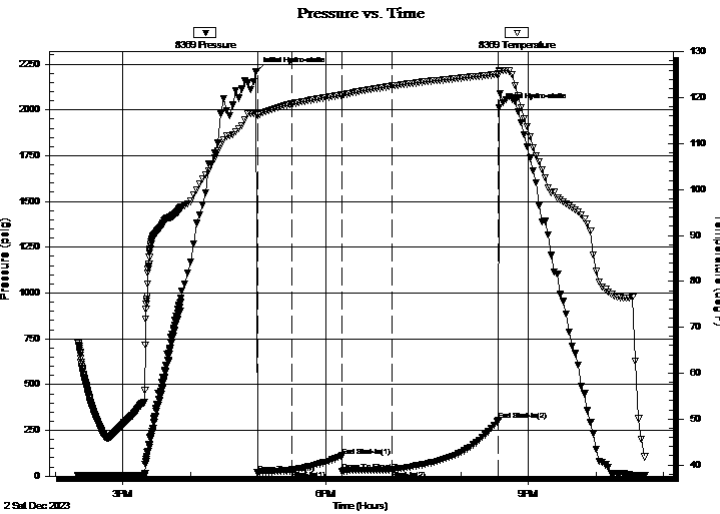
**8-27S-12W Pratt,KS**  
**Dietz #6-8**  
Job Ticket: 71068 **DST#: 1**  
Test Start: 2023.12.02 @ 14:20:08

## GENERAL INFORMATION:

Formation: **Simpson Sand**  
Deviated: No Whipstock: ft (CF)  
Time Tool Opened: 16:59:28  
Time Test Ended: 22:44:28  
Interval: **4360.00 ft (CF) To 4380.00 ft (CF) (TVD)**  
Total Depth: 4381.00 ft (CF) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Eric Burgess  
Unit No: 80  
Reference Elevations: 1871.00 ft (KB)  
1864.00 ft (CF)  
KB to GR/CF: 7.00 ft

**Serial #: 8369 Outside**  
Press@RunDepth: 33.49 psig @ 4361.00 ft (CF) Capacity: 8000.00 psig  
Start Date: 2023.12.02 End Date: 2023.12.02 Last Calib.: 2023.12.02  
Start Time: 14:20:09 End Time: 22:44:28 Time On Btm: 2023.12.02 @ 16:58:28  
Time Off Btm: 2023.12.02 @ 20:33:58

**TEST COMMENT:** IF:Weak Building Blow built to 2.95" but died back to 2.54" (30)  
IS:No Blow Back. (45)  
FF:Weak Blow Built to .25" but died back to surface bubbles. (45)  
FS:No Blow BACK. (90)



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.28	116.61	Initial Hydro-static
1	18.17	116.18	Open To Flow (1)
32	29.93	118.59	Shut-In(1)
76	110.35	120.56	End Shut-In(1)
77	25.26	120.55	Open To Flow (2)
121	33.49	122.50	Shut-In(2)
215	305.17	125.13	End Shut-In(2)
216	2011.01	125.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	WCM 92%M 8%W	0.20

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Deutsch Oil  
8100 E 2nd ST N Bldg 600  
Wichita, KS. 67226  
ATTN: Aaron Young

**8-27S-12W Pratt,KS**  
**Dietz #6-8**  
Job Ticket: 71068 **DST#: 1**  
Test Start: 2023.12.02 @ 14:20:08

## Tool Information

Drill Pipe:	Length: 4232.00 ft	Diameter: 3.88 inches	Volume: 61.89 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	24000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	63000.00 lb
Depth to Top Packer:	4360.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	52.00 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			4330.00	
Shut In Tool	5.00			4335.00	
Hydraulic tool	5.00			4340.00	
Em Tool	3.00			4343.00	
Jars	5.00			4348.00	
Safety Joint	3.00			4351.00	
Packer	4.00			4355.00	31.00 Bottom Of Top Packer
Packer	5.00			4360.00	
Stubb	1.00			4361.00	
Recorder	0.00	8369	Outside	4361.00	
Recorder	0.00	8846	Inside	4361.00	
Perforations	17.00			4378.00	
Bullnose	3.00			4381.00	21.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Deutsch Oil  
8100 E 2nd ST N Bldg 600  
Wichita, KS. 67226  
ATTN: Aaron Young

**8-27S-12W Pratt,KS**  
**Dietz #6-8**  
Job Ticket: 71068      **DST#: 1**  
Test Start: 2023.12.02 @ 14:20:08

### 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:	20000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 0.20 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	WCM 92%M 8%W	0.197

Total Length: 40.00 ft      Total Volume: 0.197 bbl

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

Laboratory Name:      Laboratory Location:

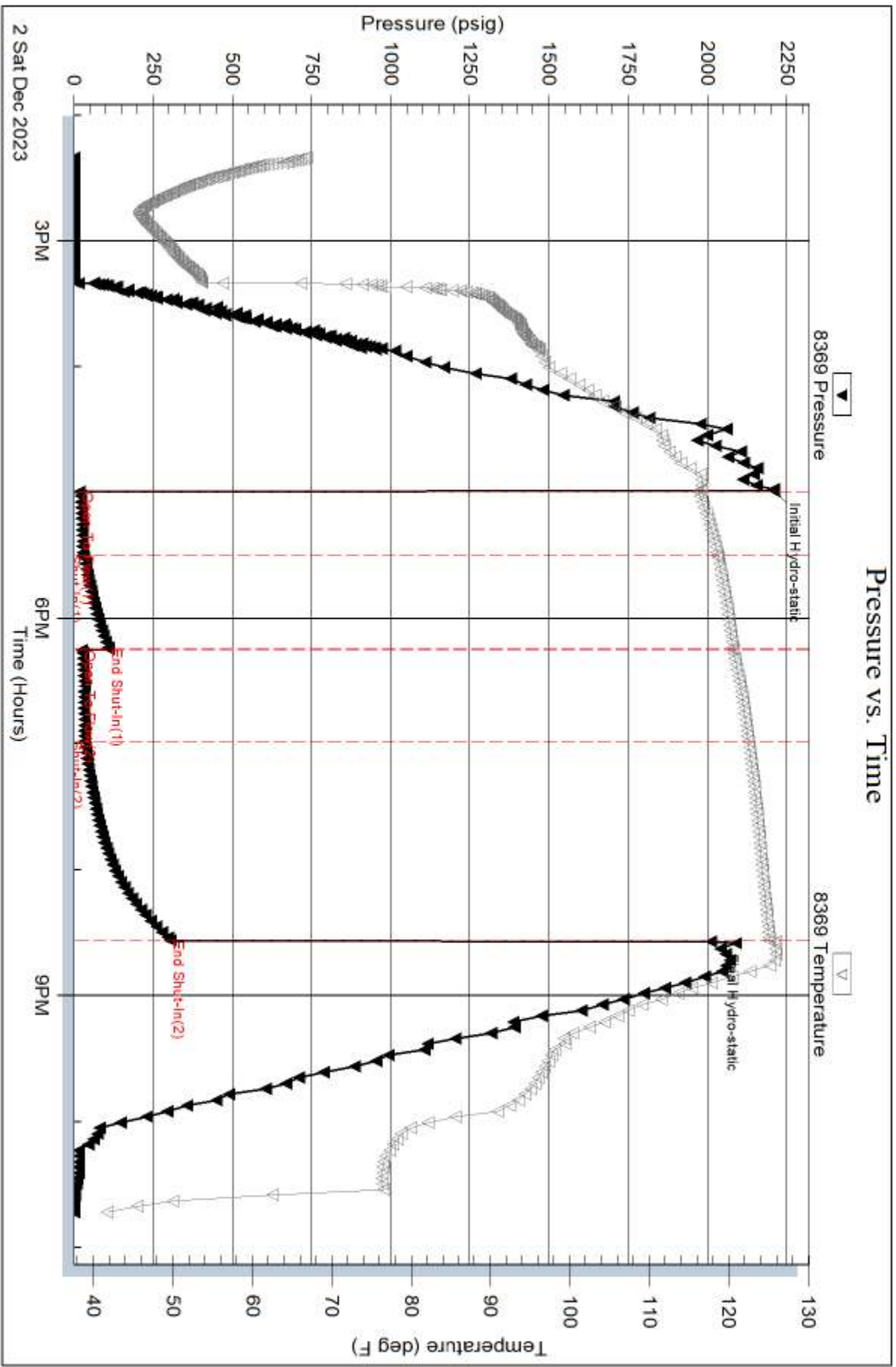
Recovery Comments:

Serial #: 8369

Outside Deutsch Oil

Dietz #6-8

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71068

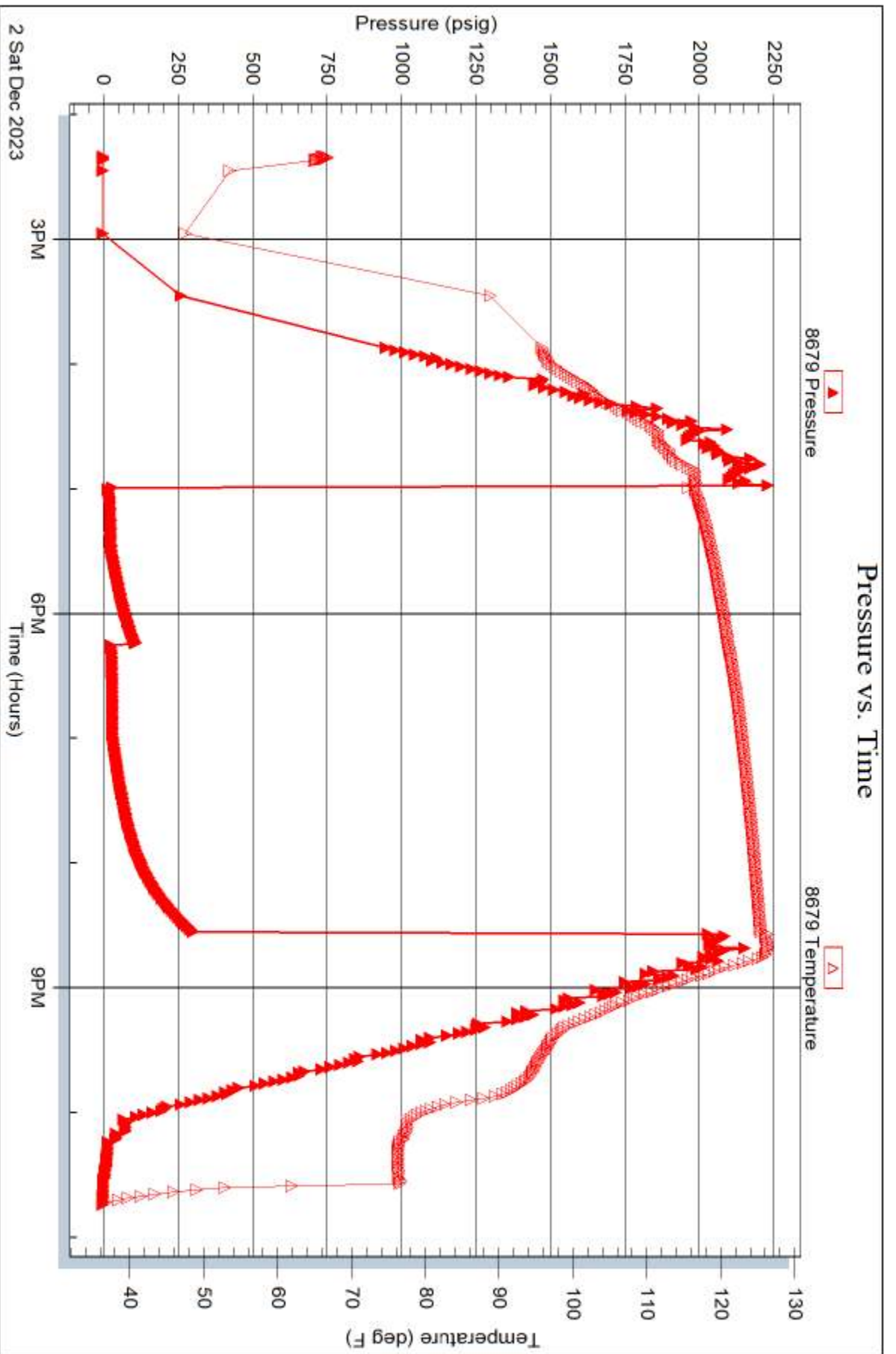
Printed: 2023.12.05 @ 11:27:14

Serial #: 8679

Deutsch Oil

Dietz #8-8

DST Test Number: 1







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 71068

Well Name & No. Dietz 6-8 Test No. 1 Date 12/3/23  
 Company Deutch oil Elevation 1871 KB 1864 GL  
 Address 8100 E 22nd STN Bldg 600 Wichita, KS. 67226  
 Co. Rep / Geo Acron Young Rig Pickrell 10  
 Location: Sec. 8 Twp 27S Rge. 12W Co. Pratt State KS.

Interval Tested 4360' - 4381' Zone Tested SIMPSON sand  
 Anchor Length 21' Drill Pipe Run 4232' Mud Wt. 9.3  
 Top Packer Depth 4352' Drill Collars Run 123' Vis 52  
 Bottom Packer Depth 4356' Wt. Pipe Run Ø WL 9.6  
 Total Depth 4381' Chlorides 9000 ppm System LCM 3.5  
 Blow Description IF: Weak Blow built to 2.95" but died back to 2.54" (30)  
ISB: NO Blow Back. (45)  
FF: Weak Blow built to .25" but died back to surface bubbles. (45)  
FSE: NO Blow Back. (90)

Rec	Feet of	%gas	%oil	%water	%mud
40	WCM		8	92	

Rec Total 40 BHT 126 Gravity \_\_\_\_\_ API RW .40 @ 63 \*F Chlorides 2000 ppm  
 Initial Hydrostatic 2209  Test 1950  Ruined Shale Packer \_\_\_\_\_  
 Initial Flow 18 to 30  Jars 300  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 110  Circ Sub \_\_\_\_\_  Hotel \_\_\_\_\_  
 Final Flow 25 to 33  Hourly Standby \_\_\_\_\_  EM Tool Successful \_\_\_\_\_  
 Final Shut-In 305  Mileage 12 21  Accessibility \_\_\_\_\_  
 Final Hydrostatic 2011  Sampler \_\_\_\_\_  Gas Sample \_\_\_\_\_  
 T- On Location 1322  Straddle \_\_\_\_\_  Oversized Hole \_\_\_\_\_  
 Initial Flow 30 T-Started 1420  Shale Packer \_\_\_\_\_  Sub Total 0  
 Initial Shut-In 45 T-Open 1514  Extra Packer \_\_\_\_\_  Total 2271  
 Final Flow 45 T-Pulled 2054  Extra Recorder \_\_\_\_\_  Tool Loaded \_\_\_\_\_ @ \_\_\_\_\_  
 Final Shut-In 90 T-Out 2244  Day Standby \_\_\_\_\_  MP/DST Disc't \_\_\_\_\_  
 Comments \_\_\_\_\_

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

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.

Geologic Report  
**Aaron L. Young**

Drilling Time and Sample Log

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Dietz #6-8  
API: 15-151-22582  
Location: Section 8 - T27S - R12W  
License Number: 3180  
Spud Date: 11 / 24 / 2023  
Surface Coordinates: 660' FSL and 990' FWL  
Approx. E2 - SW -SW  
Region: Pratt Co., KS  
Drilling Completed: 12 / 03 / 2023  
Bottom Hole Coordinates:  
Ground Elevation (ft): 1864' K.B. Elevation (ft): 1871'  
Logged Interval (ft): 3700' To: 4450' Total Depth (ft): 4450'  
Formation: Simpson  
Type of Drilling Fluid: Mud-Co

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

**OPERATOR**

Company: Deutsch Oil Company  
Address: 8100 E 22nd St N, Bldg 600  
Wichita, KS 67226

**GEOLOGIST**

Name: Aaron L. Young, M. S.  
Company: Young Consulting LLC  
Address: 929 W Douglas Ave  
Wichita, KS 67213

**General Info**

CONTRACTOR: Pickrell Drilling, Rig #10

**BIT RECORD:**

No.	Size	Make	Jets	Out	Feet	Hours
1	14-3/4	HUGHES RR	15-15-15	246'	246'	3.5
2	7-7/8	SMITH MSI616	15-15-15	4450'	4014'	70.25
3	9-5/8	HUGHES RR	15-15-15	939'	190'	2.25

Surveys: 246'-BULLSEYE, 749'-.75, 939'-.75, 1444'-1, 1950'-1, 2455'-.5, 2960'-.75, 4381'-.75, 4450'-.75

**GENERAL DRILLING AND PUMP INFORMATION:**

Drilling with 8,000 - 14,000 lbs. on bit and approx 80-90 RPM.

Running 7 stands of collars; 423.07'

Pumping approx 800-900 psi at standpipe @ 56 SPM

## Daily Status

11/07/23 Start moving Pickrell Drilling Rig #10.

11/09/23 Finish moving Pickrell Drilling Rig #10 to location. Rig up. Spud well at 2:30 pm. Drilled 14 3/4" hole to 234 ft. Set 6 jts. of 10 3/4" surface casing at 233 ft. Cemented with 240 sacks 60/40 poz cement. Cement circulated to surface. Plug down at 11:30 pm.

11/10/23 Waiting on cement at 7:00 am.

11/11/23 1260 ft. at 7:00 am. Drilling ahead.

11/12/23 2310 ft. at 7:00 am. Drilling ahead.

11/13/23 3370 ft. at 7:00 am. Drilling ahead.

11/14/23 4129 ft. at 7:00 am. Drilling ahead.

11/15/23 4490 ft. at 7:00am. Logging. Prepare to run 5 1/2" production casing. Ran 107 jts. 5 1/2" 17# new production casing. Set at 4488 ft. Cemented with 45 sx. Scavenger cement and 175 sx. H Long cement. Plug down 10:30 pm. 30 sx. In rathole. Rig down.

**DST #1 Simpson Sand**  
4360' - 4381' 30"-45"-45"-90"

IF: Weak blow, built to 2.95" but died back to 2.54"

ISI: No blow back

FF: Weak blow, built to .25" but died back to surface bubbles

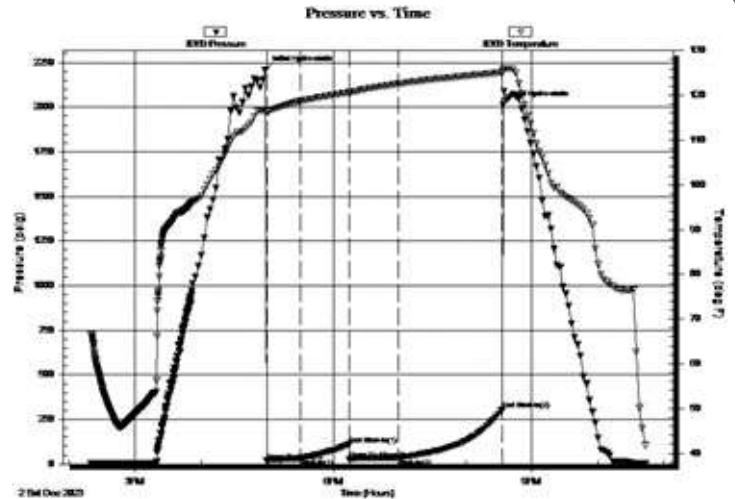
FSI: No blow back

Rec'd: 40' WCM (92% M, 8% W)

SIP: 110-305#

FP: 18-30#, 25-33#

HP: 2209-2011



## ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Slst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Slstn
	Shlyslts
	Sltysh
	Lms

### ACCESSORIES

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- 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
- Sltly

#### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

#### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

#### TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

### OTHER SYMBOLS

#### POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

#### SORTING

- Well
- Moderate
- Poor

#### ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

#### OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

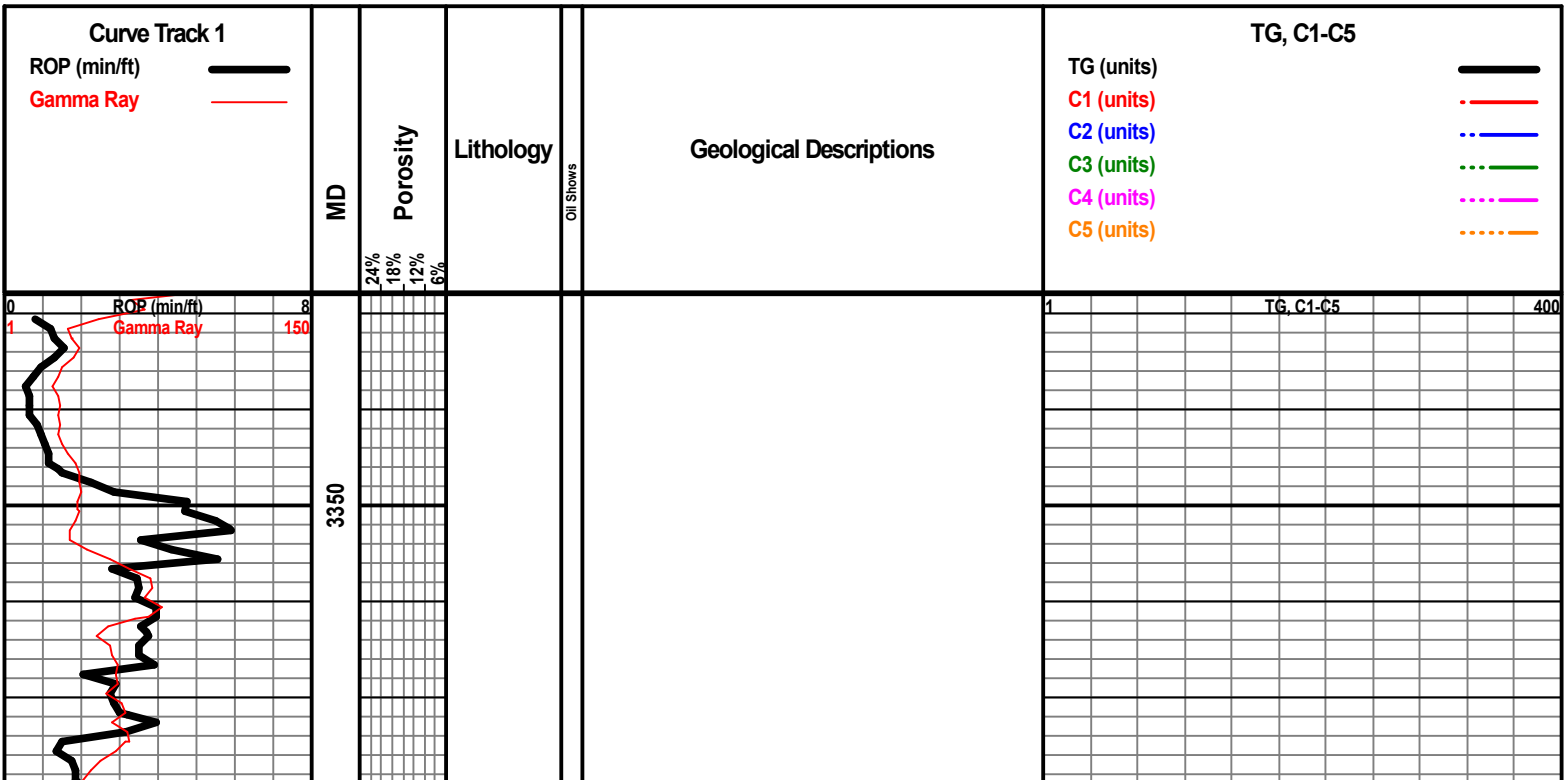
#### INTERVALS

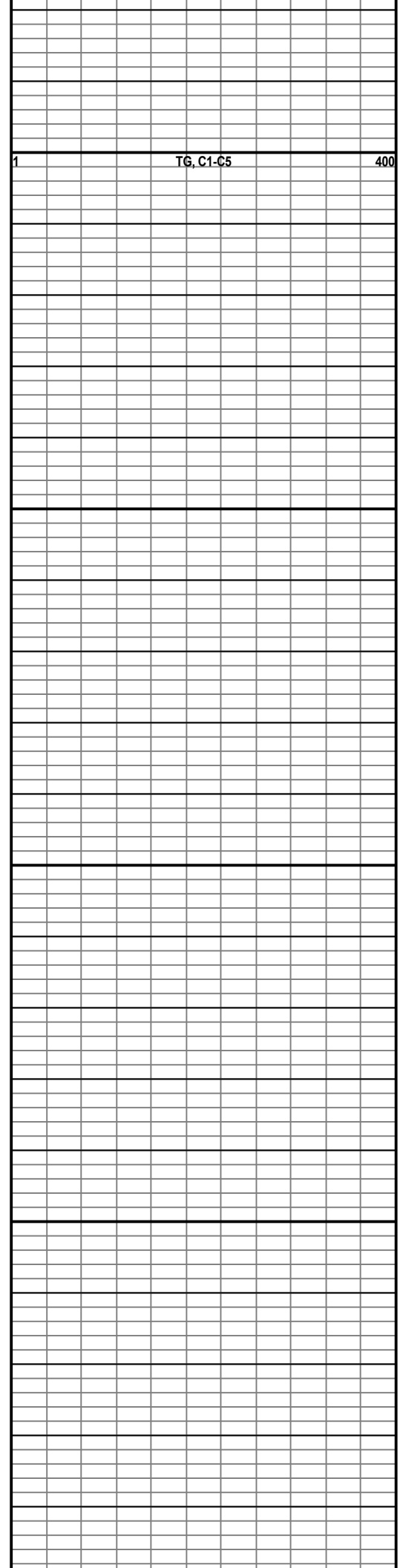
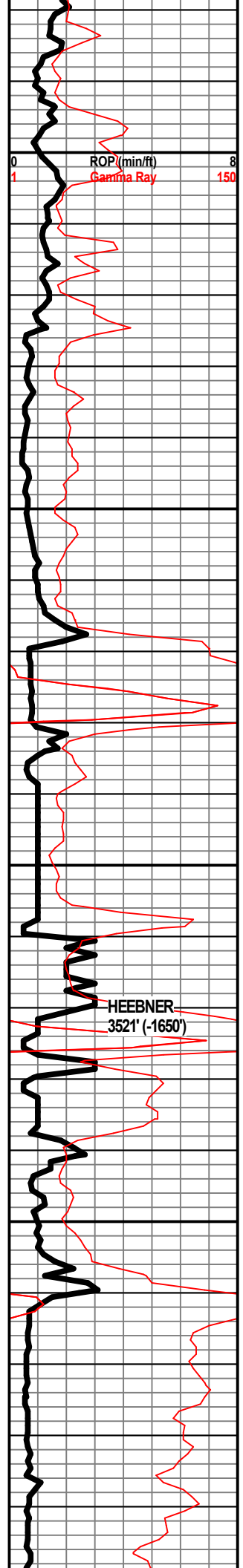
- Core
- Dst

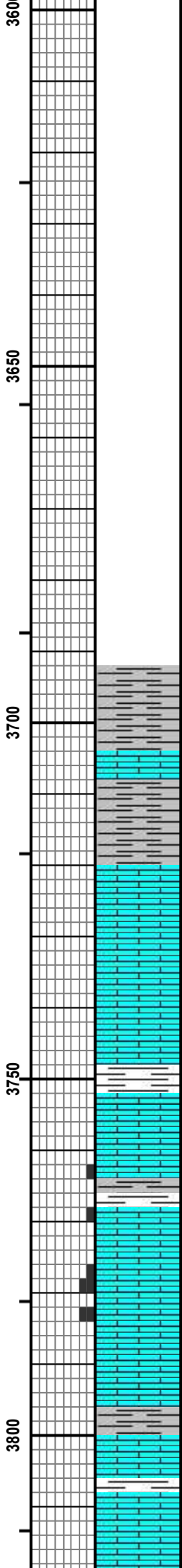
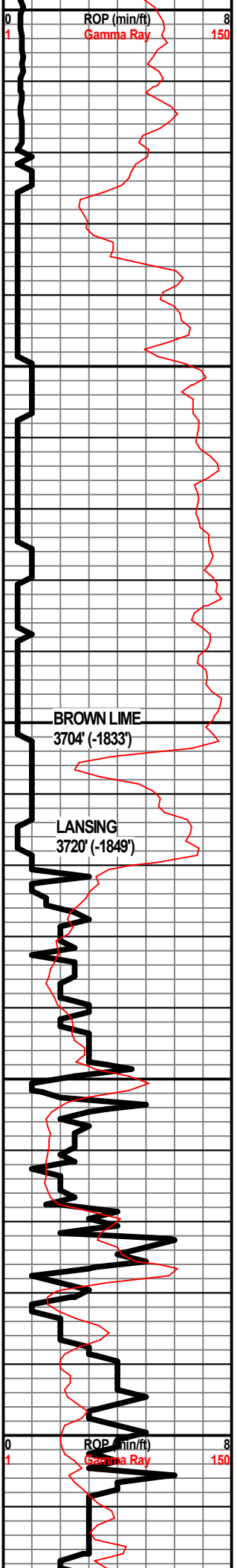
- Dst

#### EVENTS

- Rft
- Sidewall
- Conn







SH - GY / LT GY, SLTY IN PT

LS - BRN / TAN, F XLN, DNS, W/SH - GY

LS - CRM / TAN, F XLN, MOD DNS, W/SH - MAR / GRN / GY

LS - TAN / CRM, F XLN, MOD DNS / DNS, FOSS

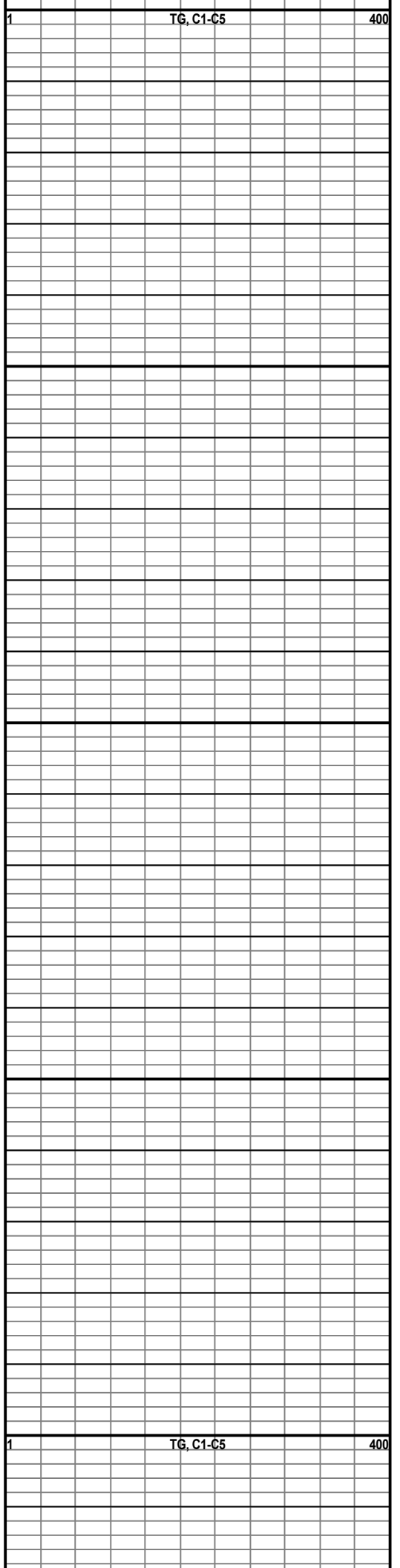
LS - CRM / TAN, F XLN, MOD DNS / DNS, VP INTERXLN POR IN PT, DEAD OIL STN IN PT, NSFO, NO ODOR, W/SH - RDISH-BRN / GY

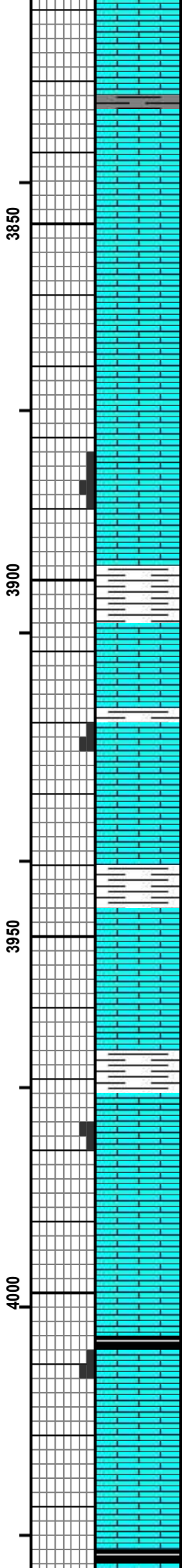
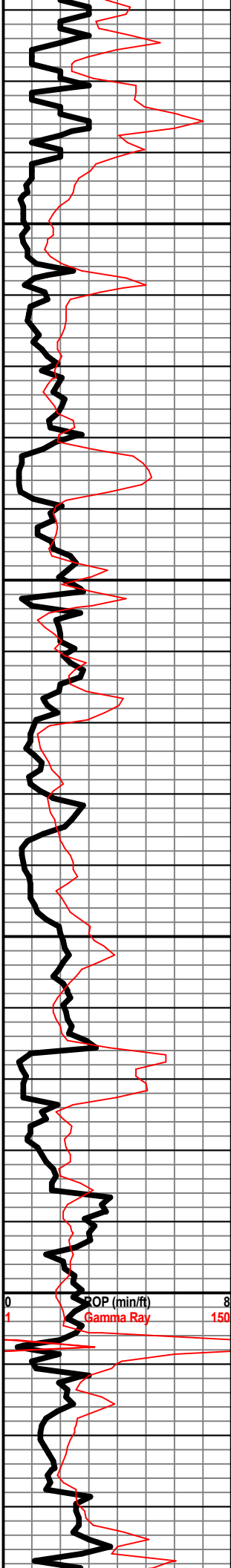
LS - CRM / TAN, F XLN, MOD DNS, P / F INTERXLN POR IN PT, NS, NO ODOR, ABUND FOSS IN PT

LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY IN PT, FOSS IN PT, W/SH - GY / RDISH-BRN

LS - CRM / TAN, VF XLN, SUBCHKY / MOD DNS, W/SH - GRN / GY / RDISH-BRN

LS - TAN / CRM / WHT, F / VF XLN, MOD DNS / SUBCHKY, CHKY IN PT





LS - CRM / TAN, VF XLN, SUBCHKY

LS - DK TAN / BRN / CRM, F / M XLN, DNS / MOD DNS, FOSS IN PT, PYRITIC IN PT, W/SH - DK GY / GY

LS - WHT / CRM, VF XLN, CHKY / SUBCHKY

LS - TAN / CRM, VF / F XLN, MOD DNS / DNS, SUBCHKY IN PT

LS - GY / TAN / WHT, VF XLN, SUBCHKY / CHKY

LS - CRM / WHT IN PT, VF XLN, MOD DNS / SUBCHKY, CHKY IN PT

LS - TAN / CRM, F XLN, MOD DNS / DNS, P INTERXLN POR IN PT, NS, NO ODOR, FOSS

SH - GRN / GY, W/LS - CRM / TAN, VF XLN, MOD DNS / SUBCHKY

LS - TAN / CRM, F / VF XLN, MOD DNS / SUBCHKY, DNS IN PT, FOSS IN PT

LS - GY / CRM, F XLN, FOSS, P INTERXLN POR IN PT, FSFO WHEN BRKN, LT BRN OIL DROPLETS, SLI CUP ODOR, F ODOR WHEN BRKN, V DULL GRN FLUOR

LS - CRM / WHT, VF XLN, SUBCHKY / CHKY

LS - TAN / CRM, VF / F XLN, M XLN IN PT, MOD DNS, W/SH - LT GRN / LT GY

LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS IN PT

LS - CRM / TAN, F XLN, ABUND FOSS, P / F INTERXLN & INTERPART POR IN PT, SSFO IN PT, LT BRN OIL DROPLETS, DEAD OIL STN IN FEW PIECES, SLI CUP ODOR, G ODOR WHEN BRKN, MOD YEL-GRN FLUOR, W/SH - LT GRN / LT GY

LS - TAN, F / M XLN, MOD DNS / DNS, W/LS - WHT, V CHKY

LS - TAN / GY, F / M XLN, MOD DNS / DNS, FOSS IN PT

LS - WHT / CRM, VF XLN, CHKY / SUBCHKY

SH - BLK, CARB, W/LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS, P / F INTERXLN & INTERPART POR, SSFO, V LT OIL, SLI CUP ODOR, F ODER WHEN BRKN, MOD YEL-GRN FLUOR

LS - CRM / TAN / GY, F XLN, MOD DNS / DNS, FOSS IN PT, PYRITIC IN PT

LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY

SH - DK GY / BLK, SLI CARB, W/LS - TAN / GY, F XLN, MOD DNS / DNS

WT 8.8  
VIS 50  
LCM 3#

WT 8.8  
VIS 52  
LCM 2#

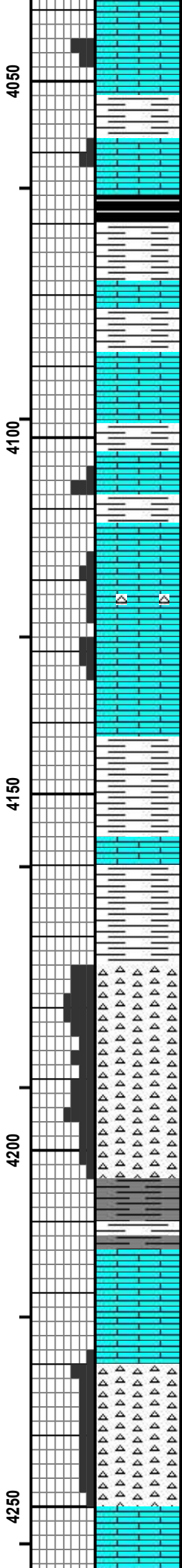
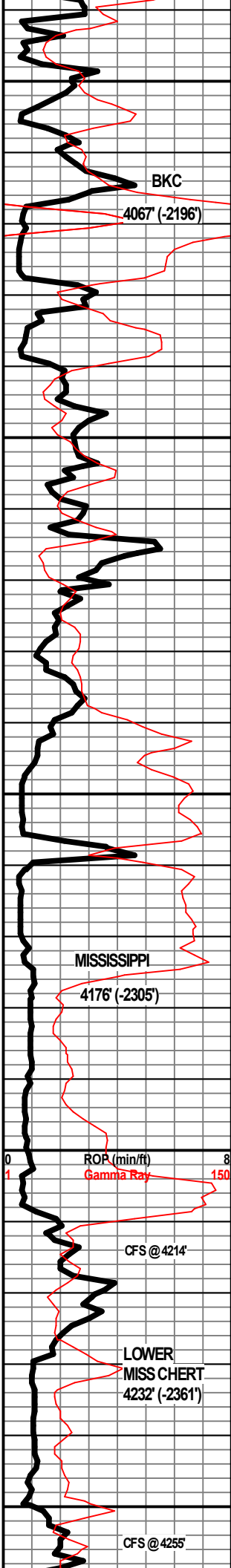
WT 8.8  
VIS 54  
LCM 4#

WT 8.9  
VIS 50  
LCM 3#

WT 8.9  
VIS 51  
LCM 3#

TG, C1-C5

400



MOD DNS / DNS

LS - TAN / CRM, F / VF XLN, FOSS, F INTERXLN & INTERPART POR, SSFO, V LT OIL, F CUP ODOR, MOD YEL-GRN FLUOR IN SHO ROCKS

SH - LT GY / GY, W / LS - CRM, VF XLN, SUBCHKY / MOD DNS

LS - TAN / GY, F XLN, PRED DNS / MOD DNS, OOLITIC IN PT, FOSS IN PT, P INTEROOLITIC & INTERPART POR IN PT, P / F INTERXLN POR IN PT, SSFO, V LT OIL, SLI ODOR WHEN BRKN, MOD YEL-GRN FLUOR

SH - BLK / GRN / GY, W / LS - TAN / GY, M XLN, DNS

SH - GRN GY / MAR, W / LS - TAN / GY / CRM, M / F / VF XLN, DNS / MOD DNS IN PT

LS - TAN / GY, F XLN, ABUND FOSS, F INTERXLN & INTERPART POR, FSFO, LT / V LT BRN OIL, F SHO OF GAS, G CUP ODOR, BRI YEL-GRN FLUOR, W / SH - GRN / MAR / PURP

LS - TAN / CRM, F XLN, ABUND FOSS, P INTERXLN & INTERPART POR, SSFO, V LT OIL, SLI CUP ODOR, G SHOW OF GAS, MOD YEL-GRN FLUOR, W / SH - GRN / MAR / PURP / GY

LS - CRM / WHT, VF XLN, SUBCHKY / CHKY, W / LS - TAN / WHT, F XLN, CHKY IN PT, P INTERXLN POR, PRED SAT STN W OIL SLI OIL SHEEN, SSFO IN ONE PIECE

LS - CRM / TAN, F / VF XLN, MOD DNS / SUBCHKY IN PT, ABUND FOSS IN PT, P / F INTERXLN & INTPART POR IN PT, FSFO IN FEW PIECES, SLI SHO OF GAS, BRI YEL-GRN FLUOR

SH - GRN / MAR / GY, PYRITIC IN PT

SH - GRN / MAR / GY, W / LS - TAN / CRM, F XLN, MOD DNS / DNS

CHT - WHT, PRED OPAQ, PRED F / G WEATH POR, FSFO, V LT OIL, SLI SHO OF GAS, F CUP ODOR, BRI YEL-GRN FLUOR

CHT - WHT / GY / BRN, OPAQ, 50% FRSH, ABUND EDGE STN, 50% F / G WEATH POR, SSFO, V LT OIL, G SHO OF GAS BUB, BRI YEL GRN FLUOR

SH - DK GY / DK GRN, V SLI LMY, SLI CHTY, V DNS

LS - TAN / CRM, F / M XLN, MOD DNS / DNS

CHT - WHT, PRED OPAQ, TRANSLUCNT IN PT, 60% FRSH, 40% P / F WEATH POR IN PT, SSFO, SLI ODOR, MOD YEL-GRN FLUOR

CHT - WHT, OPAQ / TRANSLUCNT, PRED FRSH, EDGE WEATH & EDGE STN IN PT, NSFO

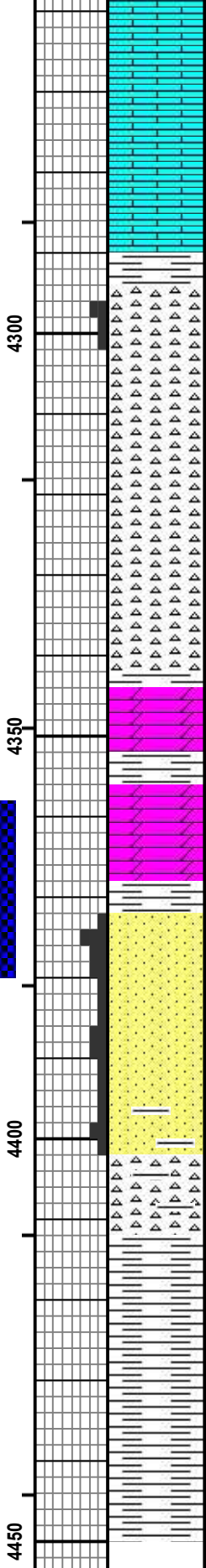
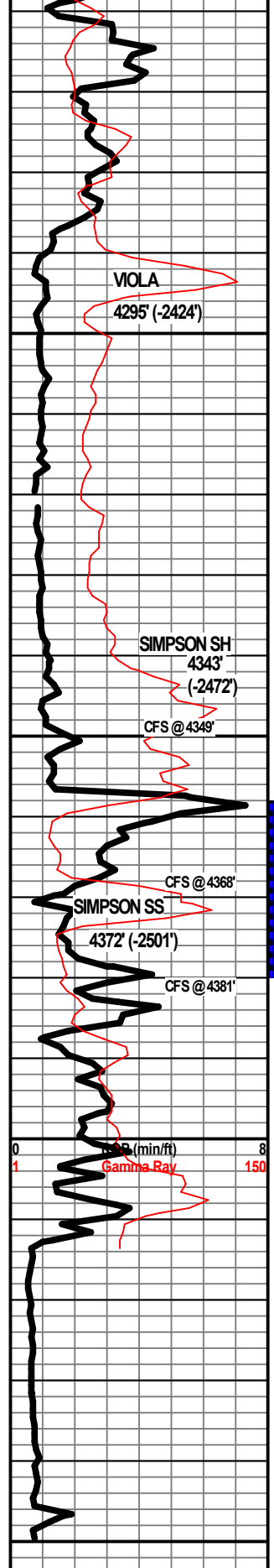
LS - CRM / TAN, F XLN, MOD DNS, CHTY

W / ABUND SH - DK GRN / DK GY, V DNS

TG, C1-C5

WT 9.1  
VIS 53  
L CM 24





LS - TAN / GY, F XLN, MOD DNS / DNS

LS - CRM / TAN / GY, VF / F XLN, MOD DNS

SH - BLK, CARB, W/LS - GY / TAN / CRM, VF XLN, MOD DNS

● CHT - WHT / CLR, PRED TRANSLUCNT, OPAQ IN PT, PRED FRSH, P FRACT POR IN PT, SLI STN IN PT, P / F WEATH POR IN 1 PIECE, FSFO, BLEEDING OIL, NO ODOR, SLI MINERAL FLUOR IN PT, OIL DROPLET FLUOR BRI YEL-GRN

○

● CHT - CLR / WHT, PRED TRANSLUCNT, OPAQ IN PT, FRSH

SH - V LT GRN, W/DOLO - WHT, V CHKY

SH - LT GRN / TURQ / DK GRN, SNDY IN PT, W/DOLO - WHT / CRM, VF XLN, V CHKY / CHKY / SUBCHKY IN PT

SH - GRN / TURQ, W/DOLO - CRM, F XLN, MOD DNS / DNS

● SS - CLR / BRN, F / VF GR, SUB-ANG / SUB-RND, MOD SRTED, P CEM, FRI, F / G INTERGR POR, SSFO, V LT OIL, DEAD FLAKY OIL IN FEW PIECES, W/ SH - GRN / TURQ / MAR / RDISH-BRN

● SS - CLR / LT BRN, VF / F GR, SUB-ANG / SUB-RND, W SRTED, MOD / W CEM, P INTERGR POR, TIGHT IN PT, FSFO WHEN BRKN, V LT OIL, G ODOR WHEN BRKN, BRI YEL-GRN FLUOR IN SHO ROCKS, FEW PIECES TITE & BARREN

SS - CLR / WHT, VF GR, SUB-ANG, W SRTD, TITE, NO VIS POR NS, ARG IN PT, PYRITIC IN PT

CHT - CLR / WHT / GRN, SLI TRANSLUCNT IN PT, PRED OPAQ, FRSH, NO VIS POR, NS

SH - GRN / GY / MAR, W/ SCAT CHT, SDNY IN PT, PYRITIC IN PT

SH - GRN / GY / MAR, SCAT CHT IN PT, SNDY IN PT, PYRITIC IN PT

RTD 4450'

WT 9.1  
VIS 53  
LCM 3#

DST #1 Simpson Sand  
4360' - 4381' 30"-45"-45"-90"

IF: Weak blow, built to 2.95" but died back to 2.54"  
IS: No blow back  
FF: Weak blow, built to .25" but died back to surface bubbles  
FSI: No blow back

Rec'd: 40' WCM (92% M, 8% W)

SIP: 110-305#  
FP: 18-30#, 25-33#  
HP: 2209-2011

WT 9.3  
VIS 52  
LCM 3.5#

1 TG, C1-C5 400

WT 9.3  
VIS 53  
LCM 3#