

OPERATOR

Company: MUSTANG ENERGY CORPORATION
Address: PO BOX 1121
HAYS, KANSAS 67601

Contact Geologist: ROD BRIN
Contact Phone Nbr: 785-623-0533
Well Name: BIEKER 1-5
Location: NW SW NW S5 T16S R18W
Pool: WILDCAT
State: KANSAS
API: 15-165-22,036-00-00
Field: UNNAMED
Country: USA

Scale 1:240 Imperial

Well Name: BIEKER 1-5
Surface Location: NW SW NW S5 T16S R18W
Bottom Location:
API: 15-165-22,036-00-00
License Number: 33922
Spud Date: 7/13/2013
Region: RUSH COUNTY
Drilling Completed: 7/18/2013
Surface Coordinates: 1650' FSL & 330' FWL
Bottom Hole Coordinates:
Ground Elevation: 2017.00ft
K.B. Elevation: 2025.00ft
Logged Interval: 0.00ft
Total Depth: 3609.00ft
Formation: CONGLOMERATE SAND
Drilling Fluid Type: CHEMICAL/ FRESH WATER GEL
Time: 5:41 PM
Time: 8:39 AM
To: 0.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: Latitude:
N/S Co-ord: 1650' FSL
E/W Co-ord: 330' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC
Address: 108 W 35TH
HAYS, KS 67601

Phone Nbr: (785) 639-1337
Logged By: Geologist
Name: HERB DEINES/STEVE REED

CONTRACTOR

Contractor: DISCOVERY DRILLING, INC.
Rig #: 3
Rig Type: MUD ROTARY
Spud Date: 7/13/2013
TD Date: 7/18/2013
Rig Release: 7/19/2013
Time: 5:41 PM
Time: 8:39 AM
Time: 9:30 AM

ELEVATIONS

K.B. Elevation: 2025.00ft
K.B. to Ground: 8.00ft
Ground Elevation: 2017.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING TO FURTHER TEST CONGLOMERATE SAND BASED ON

POSITIVE RESULTS OF DST # 1. WELL TO BE OPEN HOLE COMPLETED.

NO OPEN HOLE LOGS WERE RUN ON THIS WELL

DRILL STEM TESTING BY TRILOBITE TESTING INC: ONE (1) CONVENTIONAL TEST

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

	WELL NAME	COMPARISON WELL	COMPARISON WELL
	BIEKER #1-5	WERTH #1-5	HERKLOTZ #1
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS
ANHYDRITE	1179 + 846	835	834
B-ANHYDRITE	1224 + 801	802	
TOPEKA	3005 - 980	-974	
HEEBNER SHALE	3271 - 1246	-1240	
TORONTO	3289 - 1264	-1259	-1266
LKC	3317 - 1292	-1286	-1289
BKC	3557 - 1532	-1526	
MARMATON	3588 - 1563	-1558	
CONGLOMERATE SS	3600 - 1575	-1572	-1572
ARBUCKLE		-1595	-1584
REAGAN SAND			
RTD & LTD	3609 - 1584	-1641	

SUMMARY OF DAILY ACTIVITY

7-13-13 RU, spud @ 5:30 pm

7-14-13 665', set 8 5/8" surface pipe to 1194 w/450 sxs common 2% gel, 3%CC, plug down
11:30 pm, WOC 12 hrs

7-15-13 1194', WOC, drill plug 11:30 am

7-16-13 2295' drilling

7-17-13 3095' drilling

7-18-13 3570' drilling, reached 3609' RTD at 8:45am, CFS @ 3609', DST #1 conglomerate sand,
no logs were run

DST # 1 TEST SUMMARY CONGLOMERATE SAND

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT	
	Mustang Energy Corporation	5-16S-18W Rush, KS
	PO Box 1121	Bieker #1-5

GENERAL INFORMATION:

Formation: Cong. Sand

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:31:30

Time Test Ended: 20:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan L/Brett D

Unit No: 59

Interval: 3596.00 ft (KB) To 3609.00 ft (KB) (TVD)

Total Depth: 3609.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2025.00 ft (KB)

2017.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753

Outside

Press@RunDepth: 64.37 psig @ 3606.00 ft (KB)

Start Date: 2013.07.18

End Date:

2013.07.18

Start Time: 12:05:00

End Time:

20:37:30

Capacity: 8000.00 psig

Last Calib.: 2013.07.18

Time On Btm: 2013.07.18 @ 15:30:30

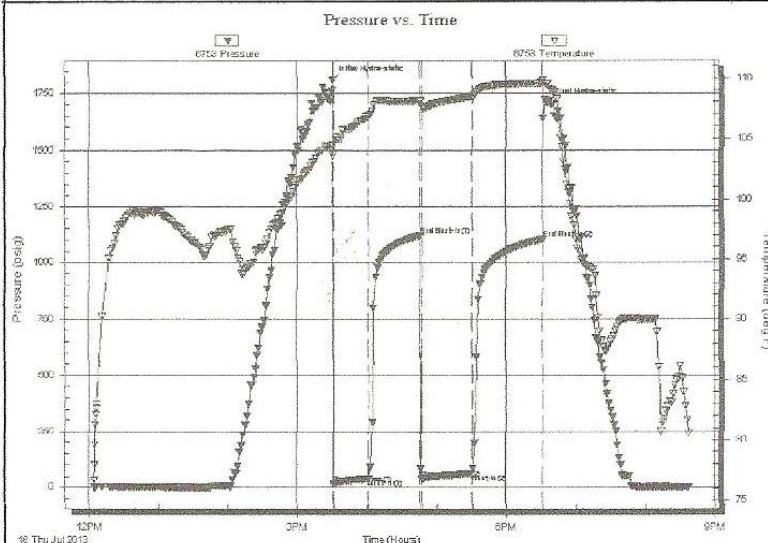
Time Off Btm: 2013.07.18 @ 18:35:00

TEST COMMENT: 30- IF- 7.5"

45- IS- No blow

45- FF- BOB 42mins

60- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1809.14	104.40	Initial Hydro-static
1	17.67	103.62	Open To Flow (1)
31	39.17	106.85	Shut-In(1)
76	1119.50	108.10	End Shut-In(1)
77	39.85	107.52	Open To Flow (2)
120	64.37	108.49	Shut-In(2)
181	1102.62	109.56	End Shut-In(2)
185	1707.41	109.49	Final Hydro-static

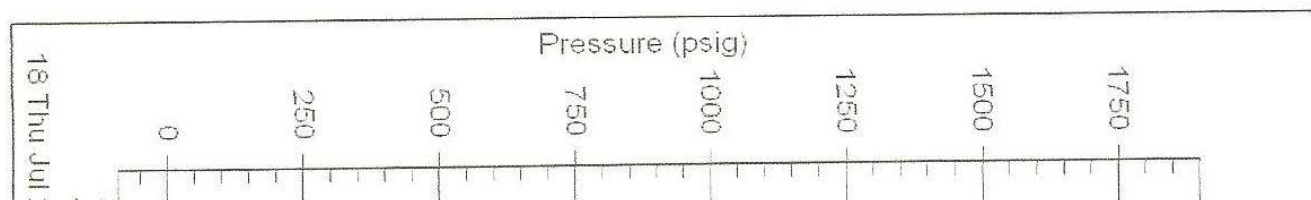
Recovery

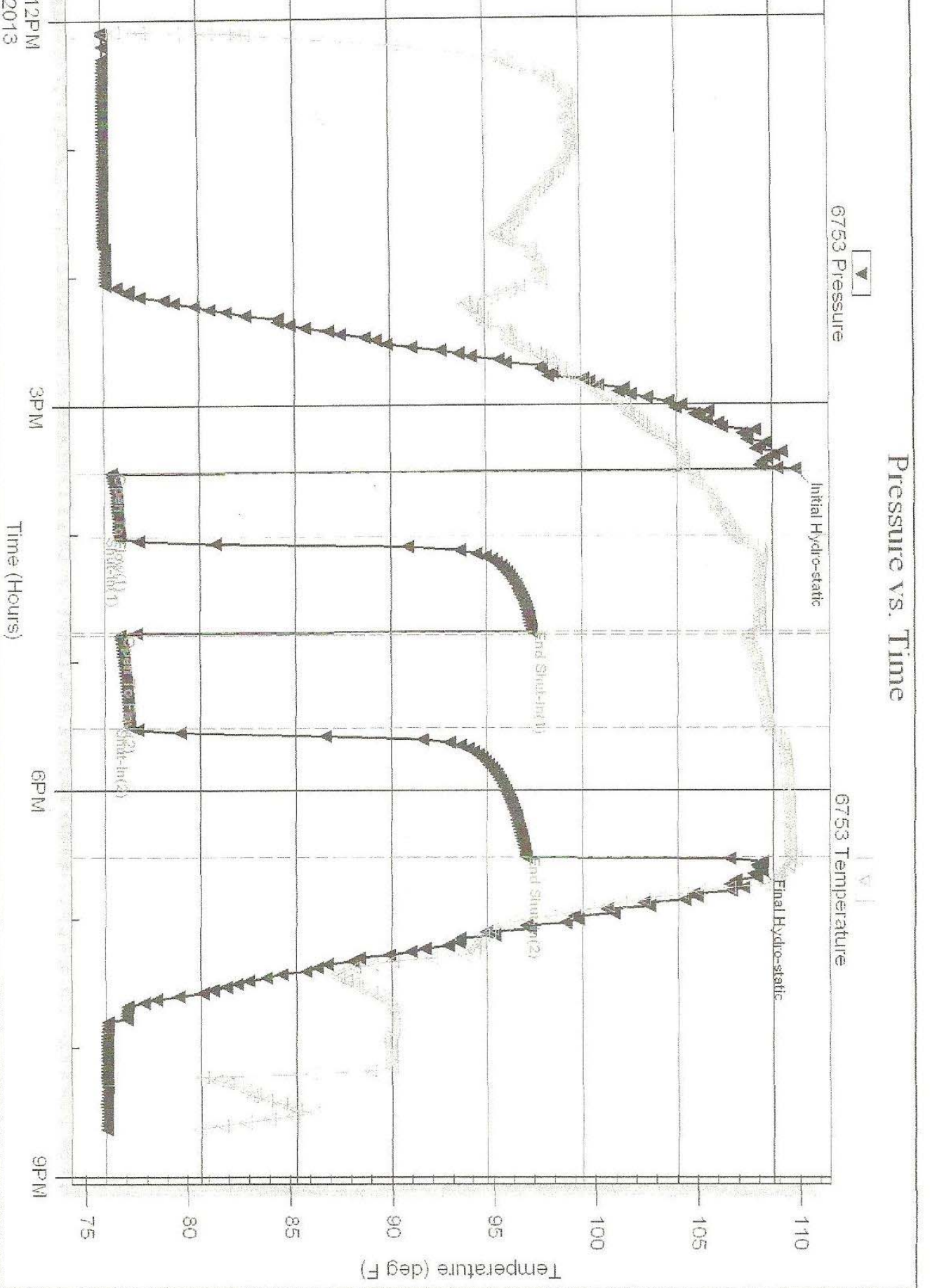
Length (ft)	Description	Volume (bbl)
120.00	GMCO 5%G, 20%M, 75%O	1.41
15.00	GSMCO 5%M, 10%G, 85%O	0.21
0.00	105 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DST # 1 PRESSURE VS TIME CHART





ROCK TYPES

	Dol Lime		Lmst fw>7		shale, gry		shale, red		CglSandy
	Lmst fw<7		shale, grn		Carbon Sh		Ss		

ACCESSORIES

MINERAL

- ▲ Chert, dark
- P Pyrite
- △ Chert White

FOSSIL

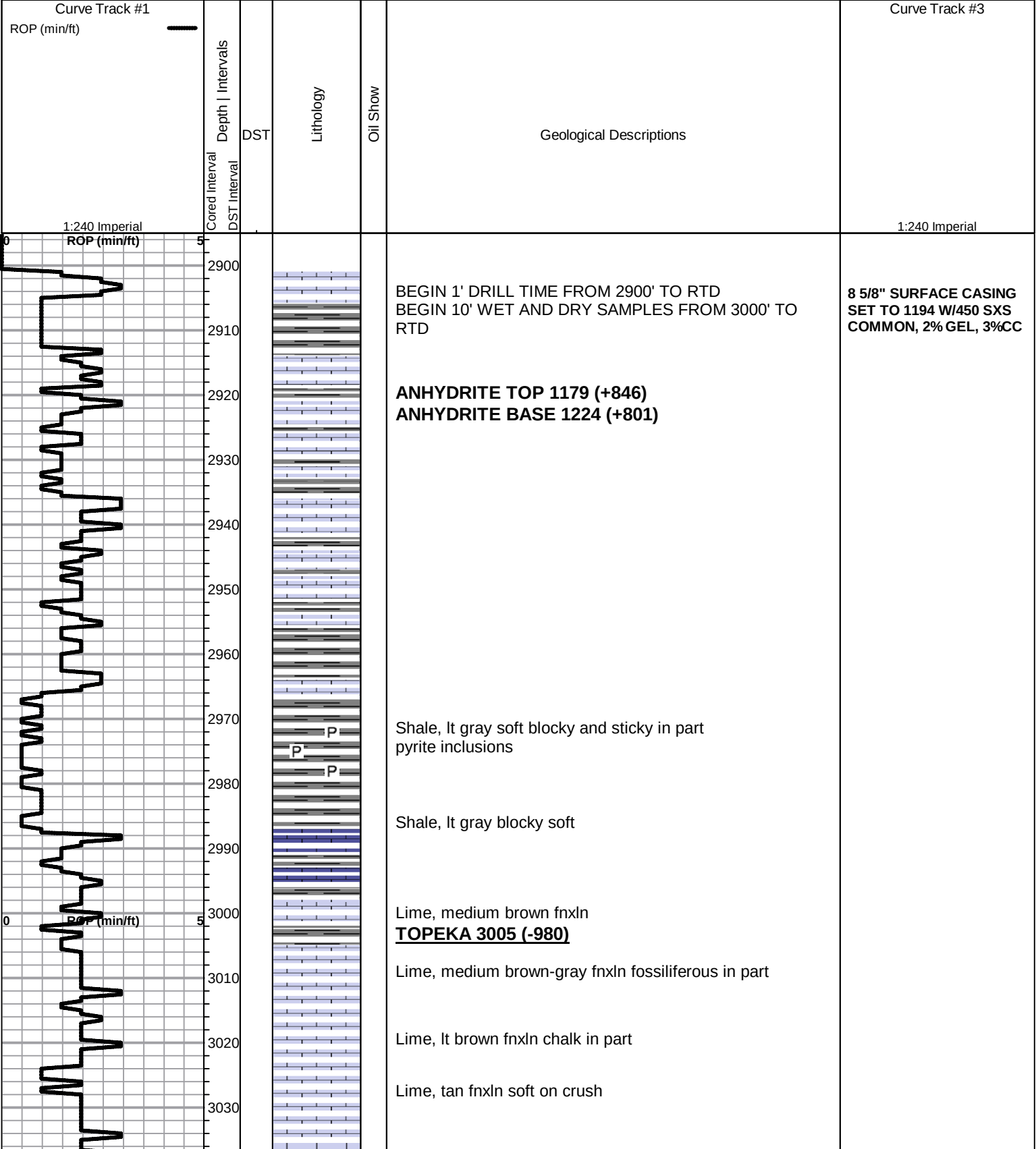
- ⌈ Bryozoa
- F Fossils < 20%
- ▽ Pelecypod
- ⊗ Fusulinid

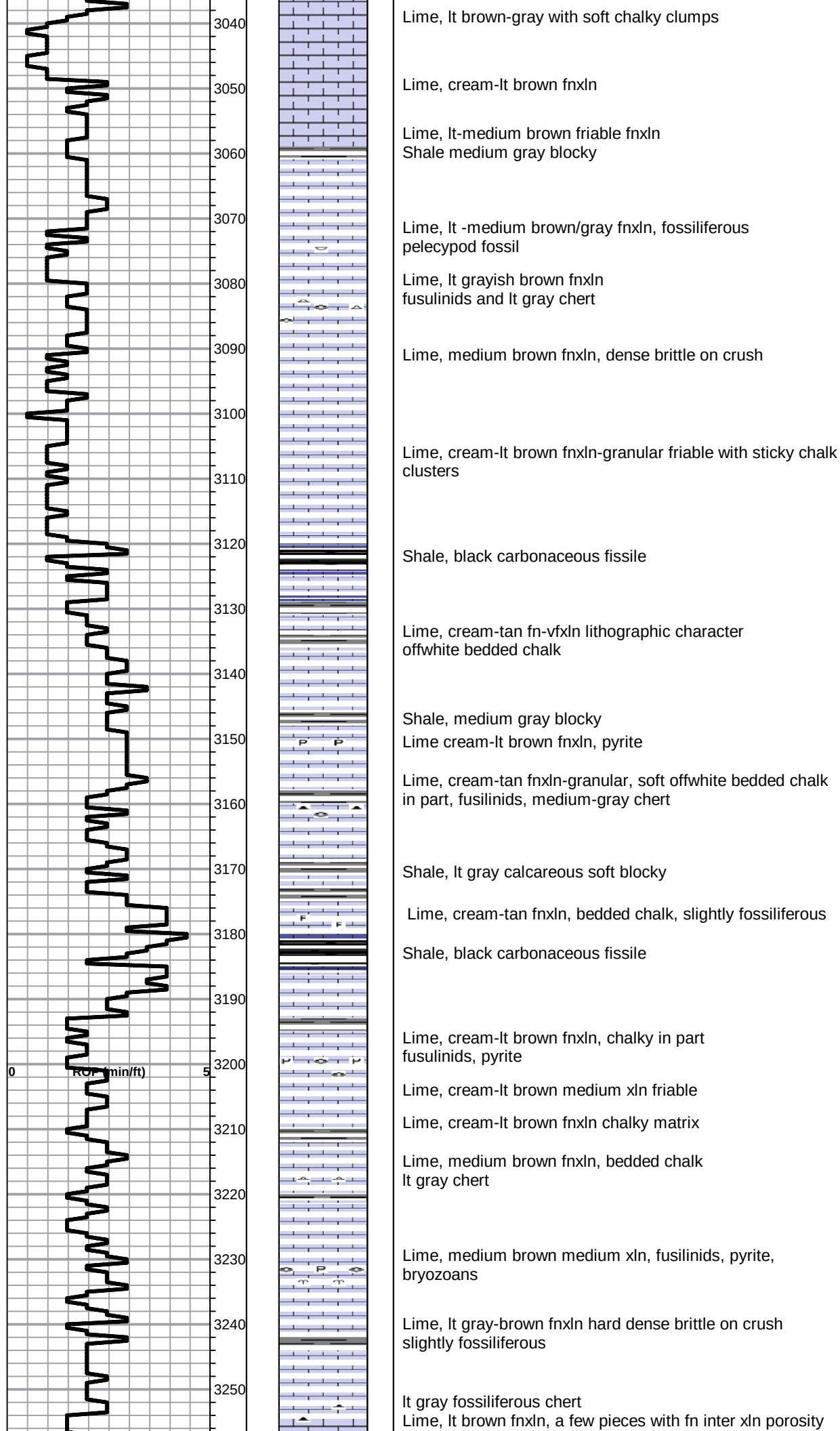
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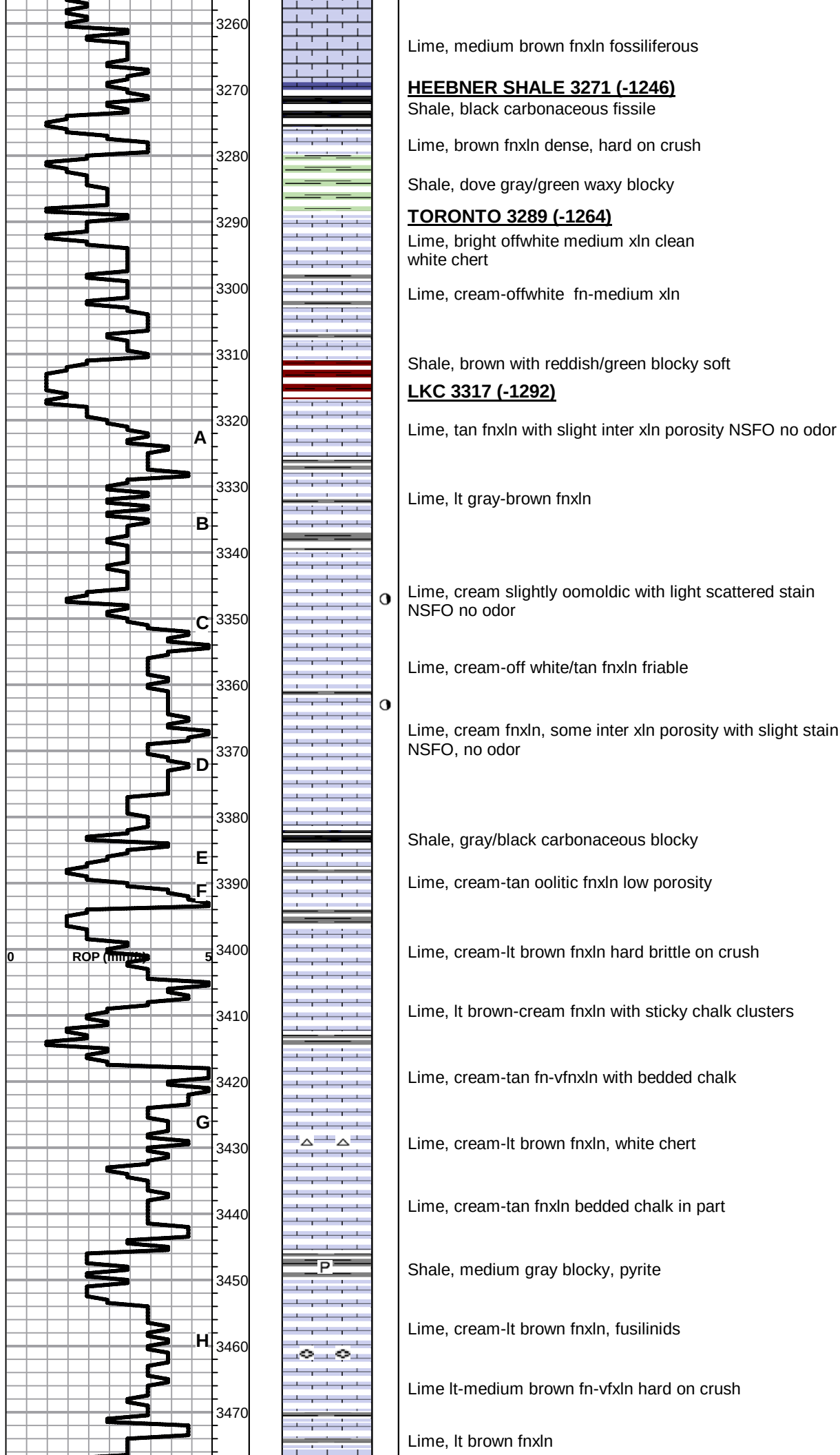
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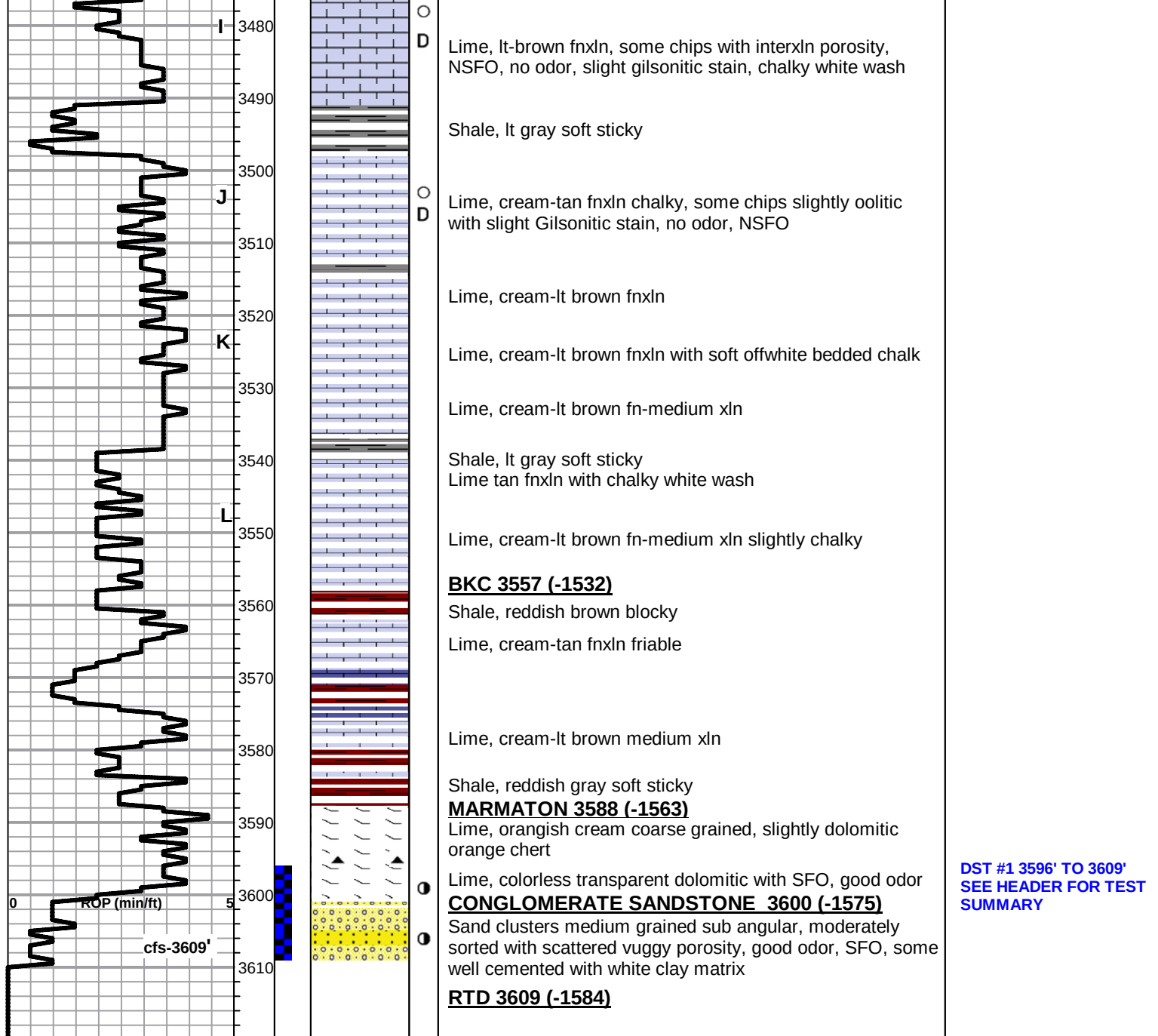
- DST Int
- DST alt

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DST #1 3596' TO 3609'
SEE HEADER FOR TEST SUMMARY