

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1174006

Form ACO-1

August 2013

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 ☐ SIOW
- ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
- ☐ OG ☐ GSW ☐ Temp. Abd.
- ☐ 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 ENHR ☐ Conv. to SWD
- ☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer
- ☐ Commingled Permit #: _____
- ☐ Dual Completion Permit #: _____
- ☐ SWD Permit #: _____
- ☐ ENHR Permit #: _____
- ☐ GSW Permit #: _____

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - _____

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

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
List All E. Logs Run:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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				

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No (If No, skip questions 2 and 3)

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 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)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method:						
			<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity	

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 7935

Date	7-19-13	Sec.	5	Twp.	16	Range	18	County	Rush	State	Ks	On Location		Finish	9:43 AM
Lease								Location							
Bieker								Hay's, Ks - S to C.L. on 183 Hwy							
Well No. 1-5								Owner							
Contractor								To Quality Oilwell Cementing, Inc.							
Type Job								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size								Charge To							
7 7/8"								Mustang Energy							
Csg. 4 1/2" New 11.604								Street							
Tbg. Size								City							
Depth								State							
Tool								The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg. 18.92'								Cement Amount Ordered 180 sx Common 10% Sx 4							
Shoe Joint 18.92'								5% Gilsontite - 500 gal Mud Clear 48							
Meas Line								Displace 55 1/2 BLS							
EQUIPMENT								Common							
Pumptrk 17								No. Cementer							
Bulktrk 14								No. Helper							
Bulktrk p.u.								No. Driver							
								No. Driver							
								No. Driver							
								No. Driver							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers 2,3,5,7,9,11,13								Mud CLR 48							
Baskets 3								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
Circulation pump 500 gal Mud								Handling							
Clear 48, plug Rdthole w/ 35 sx, plug								Mileage							
Mousehole w/ 15 sx, Hook to casing								FLOAT EQUIPMENT							
* mix 135 sx Cement, shut down								Guide Shoe							
wash pump & lines, Released plug								Centralizer 7 turbo's							
+ Displaced w/ 55 1/2 BLS of water								Baskets 1							
Released & held								AFU Inserts							
								Float Shoe							
								Latch Down							
Lift pressure 600 #															
Land plug to 1500 #															
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
X Signature								Total Charge							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 7983

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-14-13	5	16	18	Rush	KS		11:30 p.m.
Location				Nays S CD Line 1/2W 1/2S E into			

Lease <u>Brekar</u>	Well No. <u>1-5</u>	Owner
Contractor <u>D. Siquera #3</u>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job <u>Surface</u>	Charge To <u>Mustang Energy</u>	
Hole Size <u>12 1/4</u>	T.D. <u>1194</u>	Street
Csg. <u>8 5/8</u>	Depth <u>1194</u>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <u>32.10</u>	Shoe Joint <u>32.10</u>	Cement Amount Ordered <u>450 Com 3% CC 2 1/2 Gel 1/4 #10</u>
Meas Line	Displace <u>73 3/4</u>	

EQUIPMENT			Common
Pumptrk <u>17</u>	No.	Cement Helper <u>Craig</u>	Poz. Mix
Bulktrk	No.	Driver <u>Cozy</u>	Gel. <u>9</u>
Bulktrk <u>19</u>	No.	Driver <u>Heath</u>	Calcium <u>16</u>

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal <u>112#</u>
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
<u>8 5/8 on bottom. Est. Circulation. Mix</u>		Handling <u>475</u>
<u>450 SK + Displace Plug.</u>		Mileage

FLOAT EQUIPMENT	
<u>Cement Circulated.</u>	Guide Shoe <u>8 5/8</u>
<u>Plug landed @ 800# Shut in</u>	Centralizer <u>2</u>
<u>500#</u>	Baskets <u>3</u>
	AFU Inserts <u>Robber Plug</u>
	Float Shoe <u>Battle Plate</u>
	Latch Down

Pumptrk Charge <u>Long Surface</u>	Tax
Mileage <u>14</u>	Discount
Total Charge	
X Signature <u>Don Shaker</u>	

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



DRILL STEM TEST REPORT

Mustang Energy Corporation

5-16S-18W Rush, KS

P.O. 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

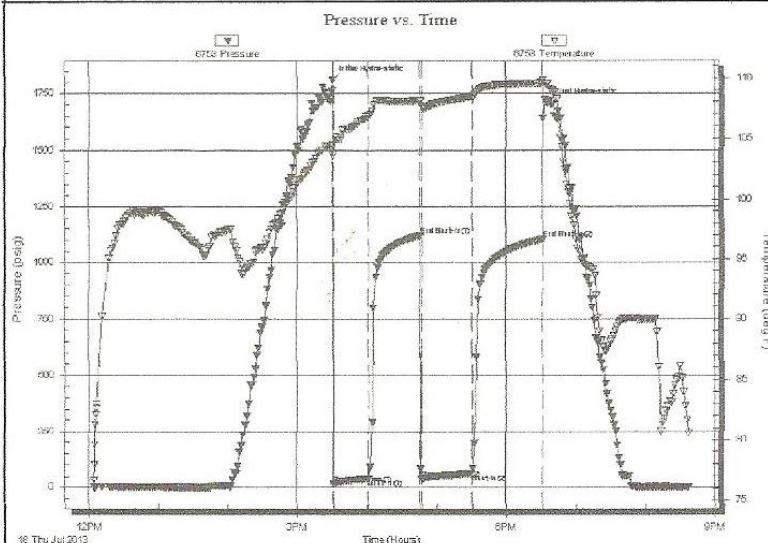
Time Off Btm: 2013.07.18 @ 18:35:00

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

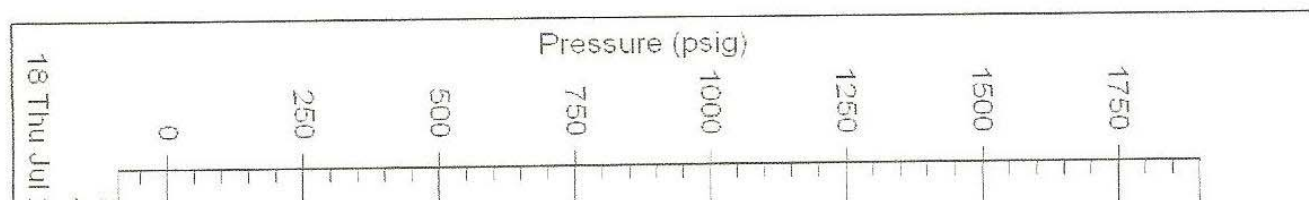
Recovery

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

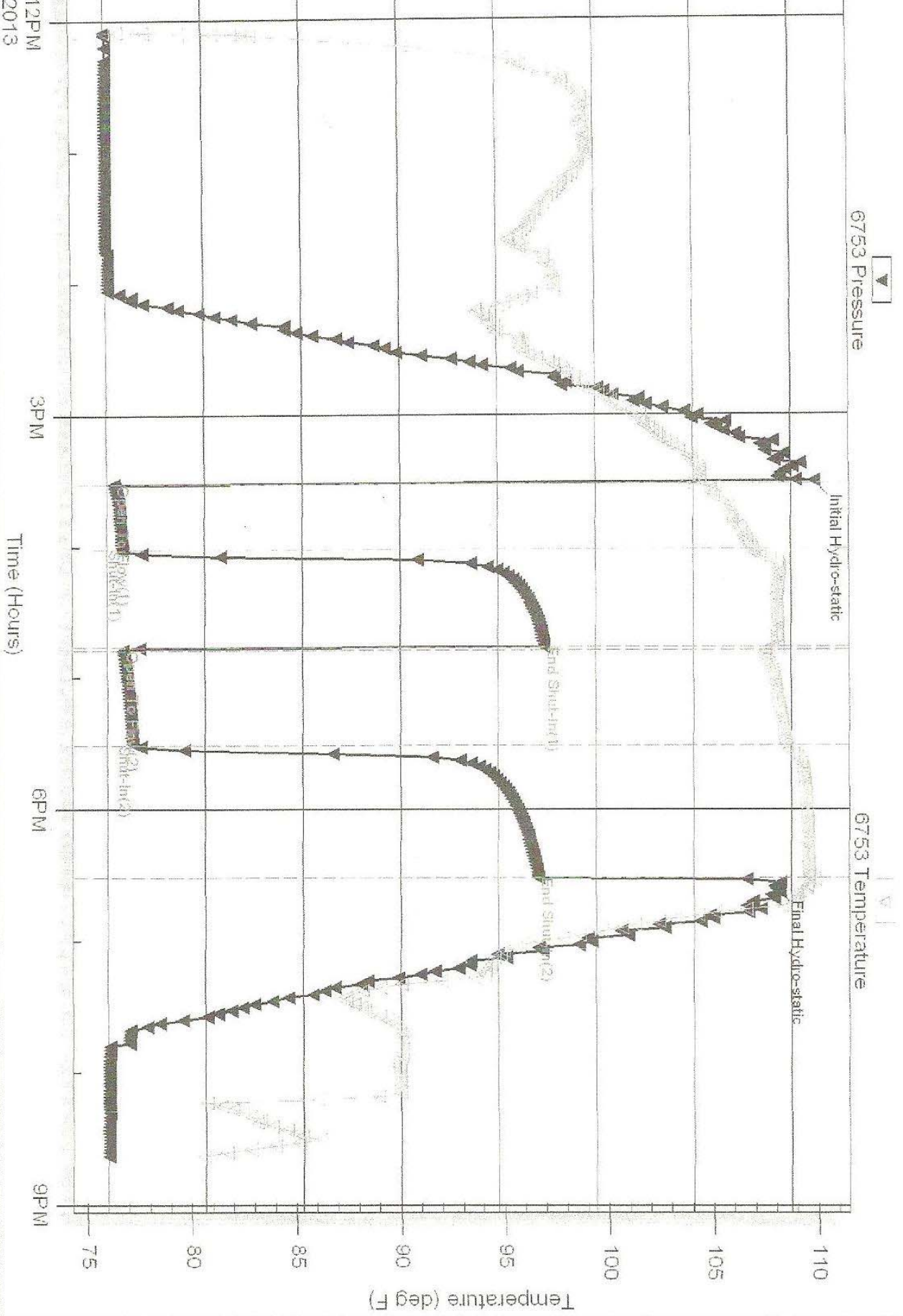
Gas Rates

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



Pressure vs. Time



ROCK TYPES

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

ACCESSORIES

MINERAL

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

FOSSIL

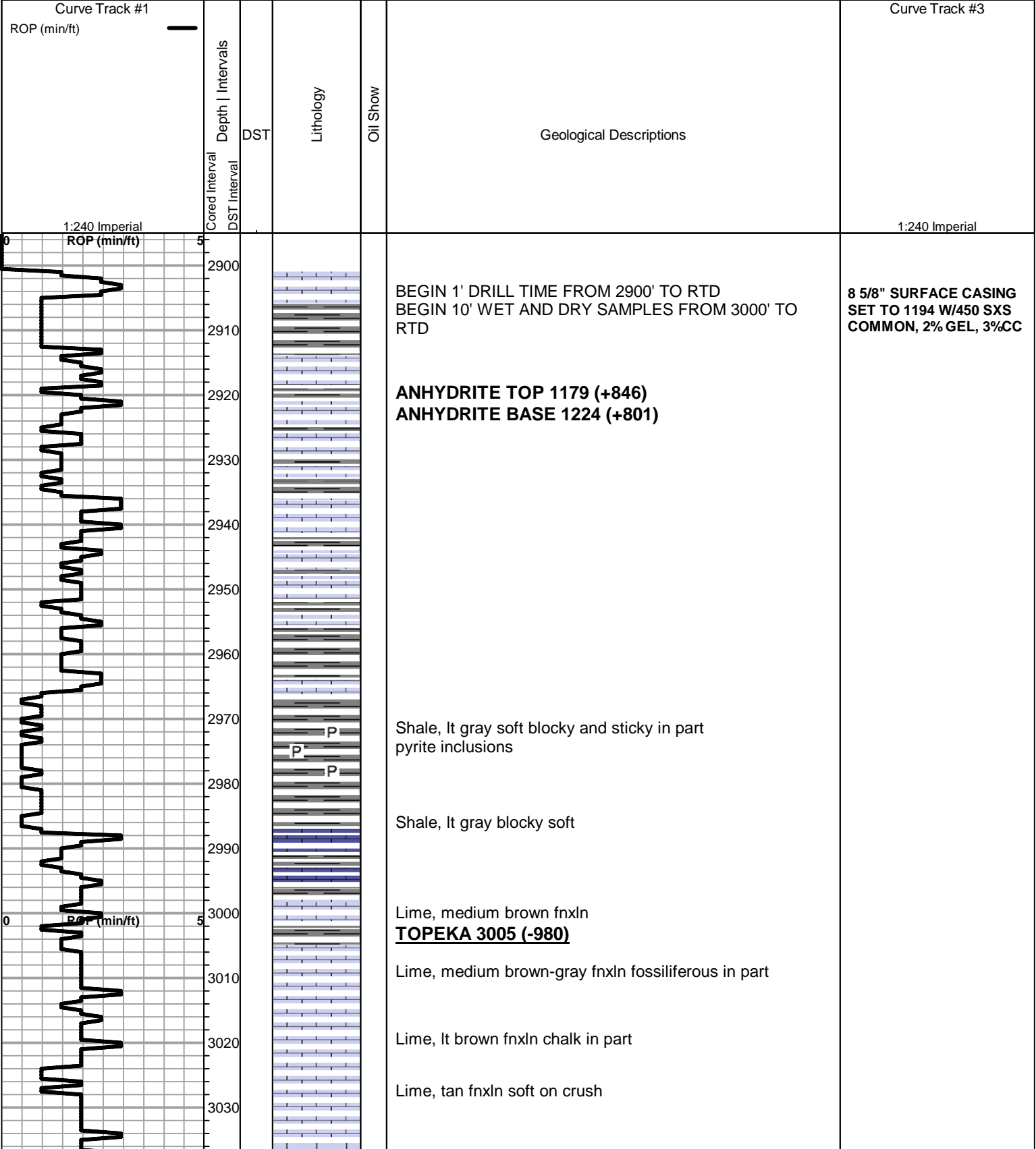
- ⌈ Bryozoa
- F Fossils < 20%
- ▽ Pelecypod
- ⊗ Fusulinid

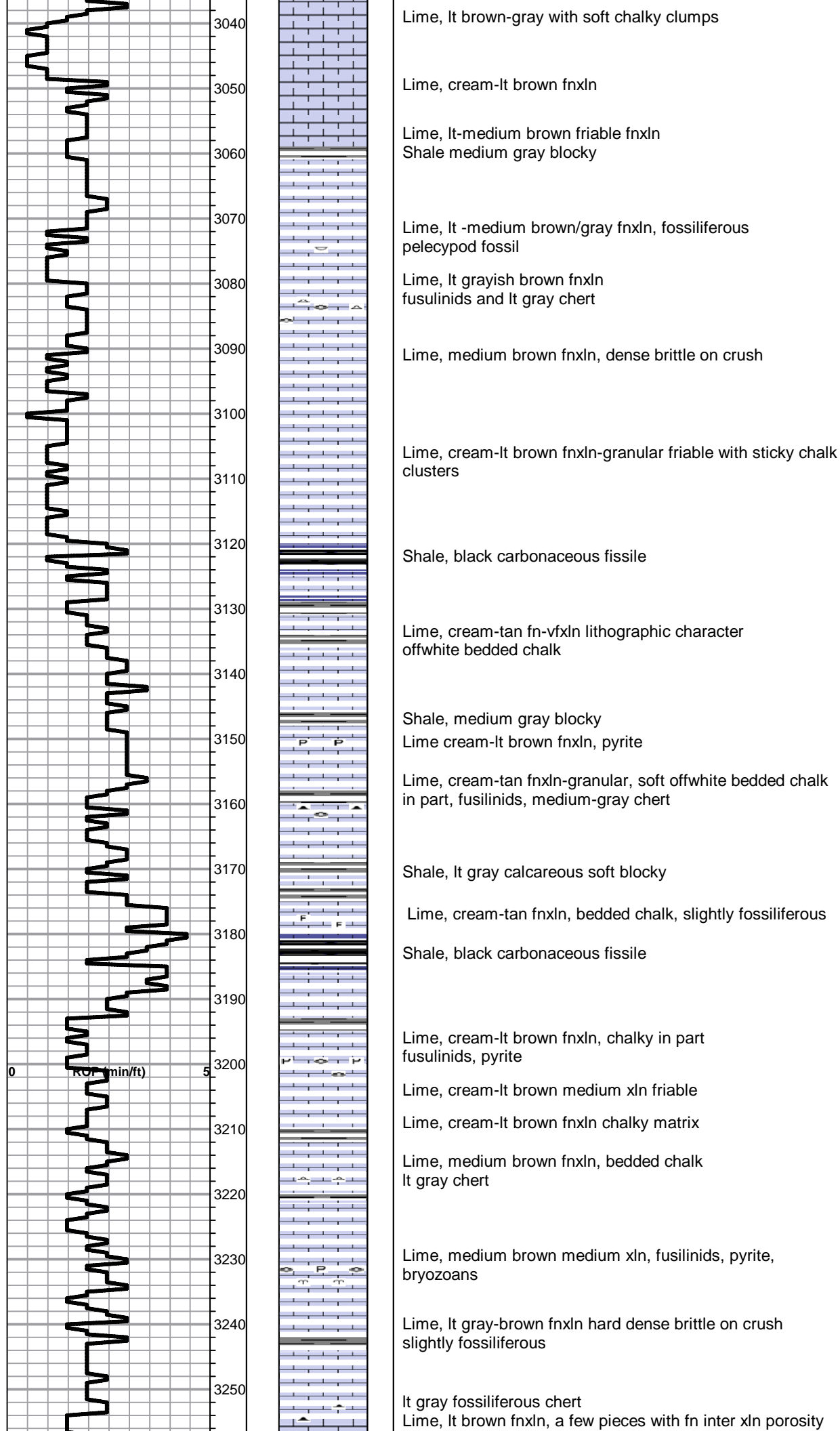
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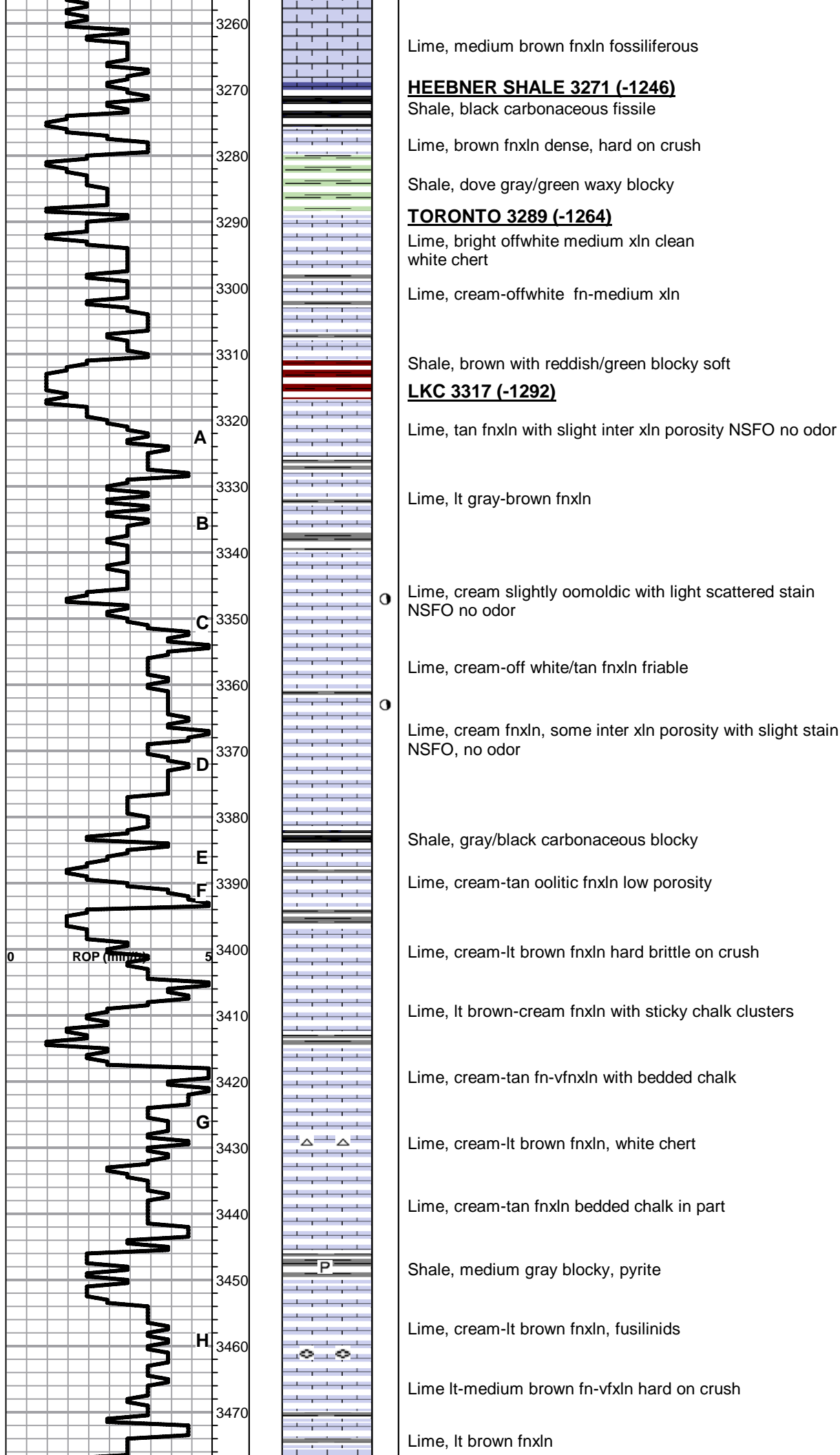
DST

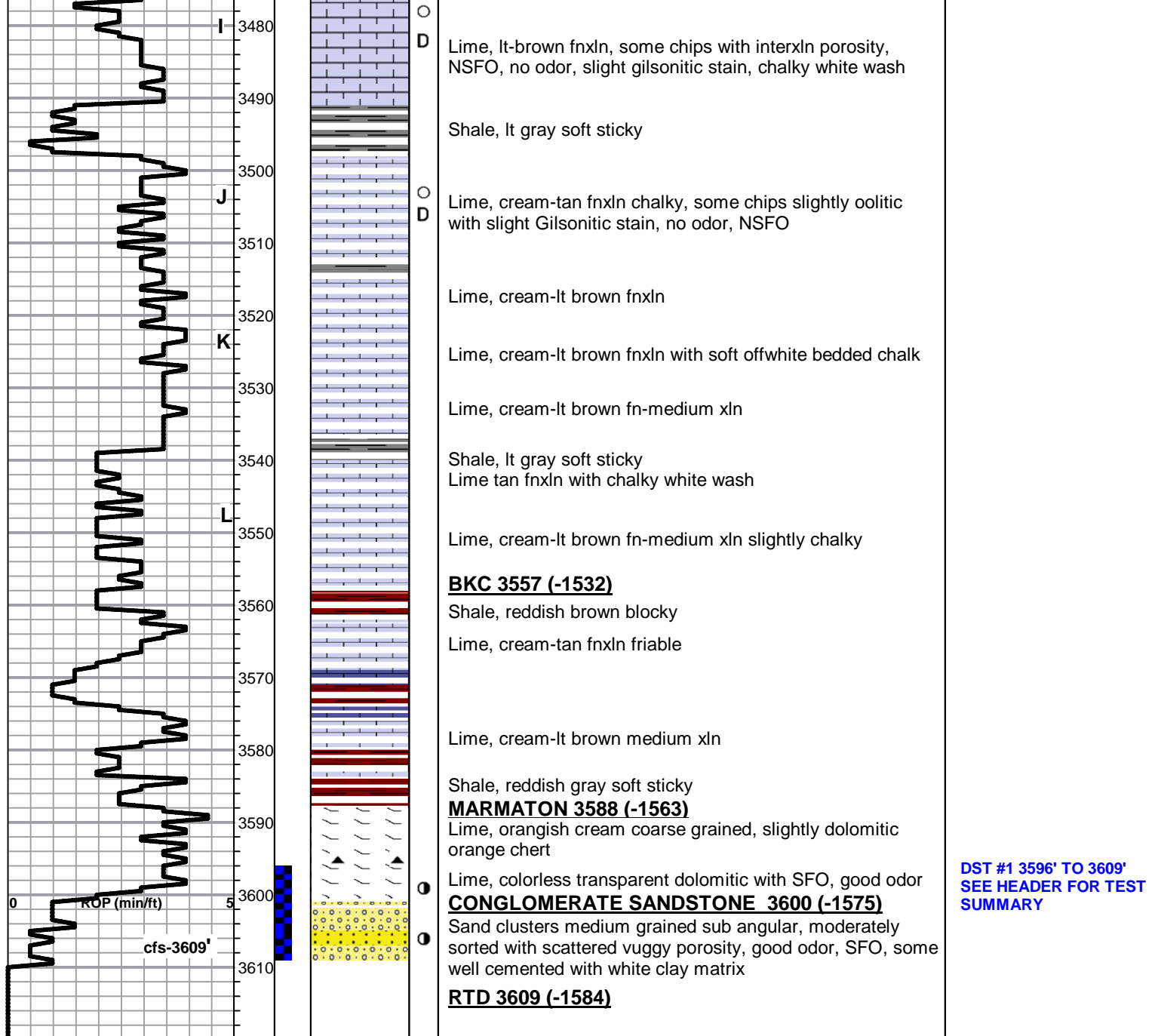
- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)









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

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 02, 2014

Rod Brin
Mustang Energy Corporation
PO BOX 1121
HAYS, KS 67601

Re: ACO-1
API 15-165-22036-00-00
Bieker 1-5
NW/4 Sec.05-16S-18W
Rush County, Kansas

Dear Rod Brin:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 7/13/2013 and the ACO-1 was received on December 23, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department