



KANSAS CORPORATION COMMISSION 1048231
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5316
Name: Falcon Exploration, Inc.
Address 1: 125 N MARKET STE 1252
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 1719
Contact Person: CYNDE WOLF
Phone: (316) 262-1378
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Brian Fisher; Dave Williams, Jon Christensen
Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD SLOW
 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
 Conv. to GSW

Plug Back: _____ Plug Back Total Depth _____

Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

09/15/2010	09/29/2010	11/03/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-025-21516-00-00

Spot Description: _____
SW NW NW NW Sec. 11 Twp. 31 S. R. 22 East West
510 Feet from North / South Line of Section
210 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Clark
Lease Name: GRC Well #: 3-11(NW)
Field Name: LIBERTY RIVER
Producing Formation: MORROW
Elevation: Ground: 2202 Kelly Bushing: 2211
Total Depth: 5750 Plug Back Total Depth: 5438
Amount of Surface Pipe Set and Cemented at: 690 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: 27500 ppm Fluid volume: 1800 bbls
Dewatering method used: Haul Off Pit

Location of fluid disposal if hauled offsite:
Operator Name: DILLCO
Lease Name: REGIER SWD License #: 6652
Quarter NE Sec. 17 Twp. 33 S. R. 27 East West
County: MEADE Permit #: D21232

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

Letter of Confidentiality Received
Date: 12/23/2010

Confidential Release Date: 12/22/2012

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NAOMI JAMES Date: 12/27/2010



1048231

Operator Name: Falcon Exploration, Inc. Lease Name: GRC Well #: 3-11(NW)
 Sec. 11 Twp. 31 S. R. 22 East West County: Clark

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
CONDUCTOR	17.5	13.375	54	272	CLASS A	285	2% GEL, 3% CC
SURFACE	12.25	8.625	24	690.7	CLASS A	800	2% GEL, 3% CC, 1/4# FS
PRODUCTION	7.875	5.5	15.5	5438	AA2	200	

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	-			

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
4	5213-5219	750 GAL 10% HSAS	5213-5219

TUBING RECORD: Size: <u>2.375</u> Set At: <u>5253</u> Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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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 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5213-5219</u>
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	GRC 3-11(NW)
Doc ID	1048231

All Electric Logs Run

MEL
CNL/CDL
DIL
BHCS

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	GRC 3-11(NW)
Doc ID	1048231

Tops

HEEBNER	4277	-2066
LANSING	4472	-2261
BKC	4919	-2708
MARMATON	4939	-2728
PAWNEE	5022	-2811
CHEROKEE	5074	-2863
MORROW SH	5179	-2968
MORROW SD	5196	-2985
MISS	5227	-3016
COWLEY FACIES	5503	-3292

ALLIED CEMENTING CO., LLC. 035829

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
G-244 Ranch

DATE <u>9-15-10</u>	SEC. <u>11</u>	TWP. <u>31S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 PM</u>	JOB FINISH <u>10:00 PM</u>
LEASE <u>GR 5</u>	WELL # <u>3-11</u>		LOCATION <u>Bucellin 2 west To 129 RD</u>		COUNTY <u>Clark</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1 1/2 South East in To</u>				

CONTRACTOR Starling Rig 4

TYPE OF JOB Conductor

HOLE SIZE 17 1/2 I.D. 275

CASING SIZE 13 3/4 54.59 DEPTH 272.17

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 500 MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 43.57

PERFS. _____

DISPLACEMENT 35.25 BBLs

EQUIPMENT

PUMP TRUCK CEMENTER Wayne - D

181 HELPER Bob - R

BULK TRUCK _____

344 DRIVER Bill

BULK TRUCK _____

_____ DRIVER _____

OWNER Falcon Exploration

CEMENT

AMOUNT ORDERED 285 Class A

3% cc 2% Gel

50# Super

COMMON	<u>285</u>	@	<u>13.50</u>	<u>3,847.50</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>20.25</u>	<u>101.25</u>
CHLORIDE	<u>10</u>	@	<u>51.50</u>	<u>515.00</u>
ASC		@		
	<u>Super 50</u>	@	<u>1.27</u>	<u>63.50</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>285</u>	@	<u>2.25</u>	<u>641.25</u>
MILEAGE	<u>285 x .30 x .10</u>			<u>755.00</u>
TOTAL				<u>6,023.50</u>

REMARKS:

Pipe on Bottom Break Circulation
with Rig mud Shut Down
hook up to cement line
Mix 285 Class A 3% cc 2% gel
Shut Down Release Plug
Displace 35.25 BBLs fish water
hand plug at 500'
Cement did circulate shut in
washup Rig Down

CHARGE TO: Falcon Exploration

STREET Box 551

CITY Russell STATE Ks ZIP 67665

SERVICE

DEPTH OF JOB	<u>272.17</u>			
PUMP TRUCK CHARGE			<u>991.00</u>	
EXTRA FOOTAGE		@		
MILEAGE	<u>30</u>	@	<u>7.00</u>	
MANIFOLD		@		
		@		
		@		
TOTAL				<u>1201.00</u>

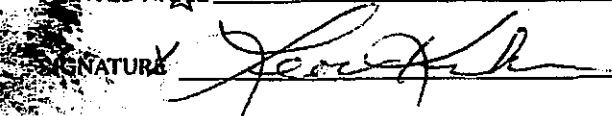
PLUG & FLOAT EQUIPMENT

<u>1 Rubber plug</u>	@	<u>213.00</u>	<u>213.00</u>	
<u>1 Baskets</u>	@	<u>333.00</u>	<u>333.00</u>	
<u>1 Bottle Plate</u>	@	<u>175.00</u>	<u>175.00</u>	
	@			
	@			
TOTAL				<u>721.00</u>

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Leow Karkw

SIGNATURE 

SALES TAX (If Any) _____

TOTAL CHARGES 721.00

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 036831

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend

DATE <u>9-17-10</u>	SEC. <u>11</u>	TWP. <u>31S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>(GAC) (WWS)</u>	WELL # <u>3-11</u>		LOCATION <u>Bucklen west T-129 R-0</u>		COUNTY <u>Clark</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1 1/2 South East into</u>				

CONTRACTOR sterling Rig 4 OWNER Falcon Exploration

TYPE OF JOB Sucker
 HOLE SIZE 12 1/4 T.D. 695
 CASING SIZE 8 3/4 DEPTH 690
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 42.75
 PERFS.
 DISPLACEMENT 41 BBLS

CEMENT
 AMOUNT ORDERED 3505X Class A
3% cc 2% Gel
used 484
 COMMON 484 @ 13.50 6,534.00
 POZMIX @
 GEL 9 @ 20.25 182.25
 CHLORIDE 17 @ 51.50 875.50
 ASC @
54cc 50# @ 63.50
 @
 @
 @
 @
 @
 @
 @
 @
 @
 HANDLING 484 @ 2.25 1089.00
 MILEAGE 484 x 30 x .10 1452.00
 TOTAL 10,196.00

EQUIPMENT
 PUMP TRUCK CEMENTER Wayne
 # 181 HELPER Bob-R
 BULK TRUCK
 # 344 DRIVER Bill
 BULK TRUCK
 # DRIVER

REMARKS:
Run casing Battle Plate
at 42.75 feet 1 Basket at 680
1 Basket at 306 1 Basket at 264
mix 250 SX class A 3% cc 2% Gel
Displace 41.25 BBLS 1 inch 150SX
Down Shut Down 1 inch 845X
down Back side

CHARGE TO: Falcon Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB 690.75
 PUMP TRUCK CHARGE 0-300 991.00
 EXTRA FOOTAGE 300-690 @ .75 292.50
 MILEAGE 30 @ 7.00 210.00
 MANIFOLD @
 @
 @
 TOTAL 1,493.50

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT
 @
1 Rubber Plug @ 102.00 102.00
3 Basket @ 221.00 663.00
1 Battle Plate @ 67.20 67.20
 @
 TOTAL 832.20

PRINTED NAME _____
 SIGNATURE _____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 035547

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Grant Bend

DATE <u>9-18-10</u>	SEC <u>11</u>	TWP <u>3/3</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>GFC</u>		WELL # <u>3-11</u>		LOCATION <u>Ducklin 2W 13c</u>		COUNTY <u>CLARK</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>Einto</u>			

CONTRACTOR STERLING Drilling Rig 4

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 695'

CASING SIZE 8 3/8 DEPTH 690'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER Same

CEMENT AMOUNT ORDERED 300 SKS com 300cc

COMMON <u>300 SKS</u>	@ <u>13.50</u>	<u>4050.00</u>
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE <u>10 SKS</u>	@ <u>51.50</u>	<u>515.00</u>
ASC _____	@ _____	_____
<u>Flow Seal 30</u>	@ <u>2.45</u>	<u>122.50</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>300</u>	@ <u>2.25</u>	<u>675.00</u>
MILEAGE <u>300 x 30 x .10</u>		<u>900.00</u>
TOTAL		<u>6263.50</u>

EQUIPMENT

PUMP TRUCK # <u>181</u>	CEMENTER <u>Andrew</u>
BULK TRUCK # <u>456-198</u>	HELPER <u>Wayne</u>
BULK TRUCK # _____	DRIVER <u>Dob</u>
BULK TRUCK # _____	DRIVER _____

REMARKS:
Mix 300 SKS down & Spacing Release plug displaced & all locked up 800ft shut in. Run 80' in return 17" and 8 3/8 casing circulated & went to surface with 100 SKS

SERVICE

DEPTH OF JOB <u>690'</u>		
PUMP TRUCK CHARGE <u>6-300</u>		<u>991.00</u>
EXTRA FOOTAGE <u>390</u>	@ <u>.75</u>	<u>292.50</u>
MILEAGE <u>30</u>	@ <u>7.00</u>	<u>210.00</u>
MANIFOLD _____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		<u>1493.50</u>

CHARGE TO: Falcon Exploration inc

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1 Rubber Plug</u>	@ <u>102.00</u>	<u>102.00</u>
_____	@ _____	_____
_____	@ _____	_____
TOTAL		<u>102.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES 6263.50

DISCOUNT _____ IF PAID IN 30 DAY

PRINTED NAME _____

SIGNATURE [Signature]



TREATMENT REPORT

Customer: FALCON EXPLORATION		Lease No.		Date	
Lease: GRC		Well # 211 (NII)		7-30-10	
Field Order #	Station TRATT, KS.	Casing 5 1/2	Depth	County CLARK	State KS.
Type Job CAW - 5 1/2 I.S. W/ PAKER SUE	Formation			Legal Description 11-31-22	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	Acid	Pre Pad	RATE	PRESS	ISIP	
5 1/2			200 SK 11A 2					5 Min.
Depth 5125	Depth	From	To	Pad 1.43 cu ft	Max			10 Min.
Volume	Volume	From	To	Frac	Min			15 Min.
Max Press 1500	Max Press	From	To		Avg			Annulus Pressure
Well Connection	Annulus Vol.	From	To		HHP Used			Total Load
Plug Depth 3130	Packer Depth	From	To	Flush 127	Gas Volume			

Customer Representative CHUCK	Station Manager D. SCOTT	Treater S. ORYAN 'DU
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Service Units	7463	11829	11842	11826	11866				
Driver Names	CRANDON	COX	---	MCCOY					

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
11:27 AM					ON (W/ HVAL - SAFETY) MEETING
					START RUNNING 5 1/2 X 12.5" CSJ.
					PAKET - 2 1/2 B L
					PAKET - 3 L
	1800				CONCENTRATION
					CONCENTRATION 11.5
			3	6	11.5
			19	6	CONCENTRATION II
			51	6	MIN 1000 x 10 1/2" / min
					CONCENTRATION - 11.5
					CONCENTRATION
			45	6	CONCENTRATION
			100	6	CONCENTRATION
			110	6	CONCENTRATION
			110	6	CONCENTRATION
			110	6	CONCENTRATION
			110	6	CONCENTRATION
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			110	6	CONCENTRATION
			110	6	CONCENTRATION

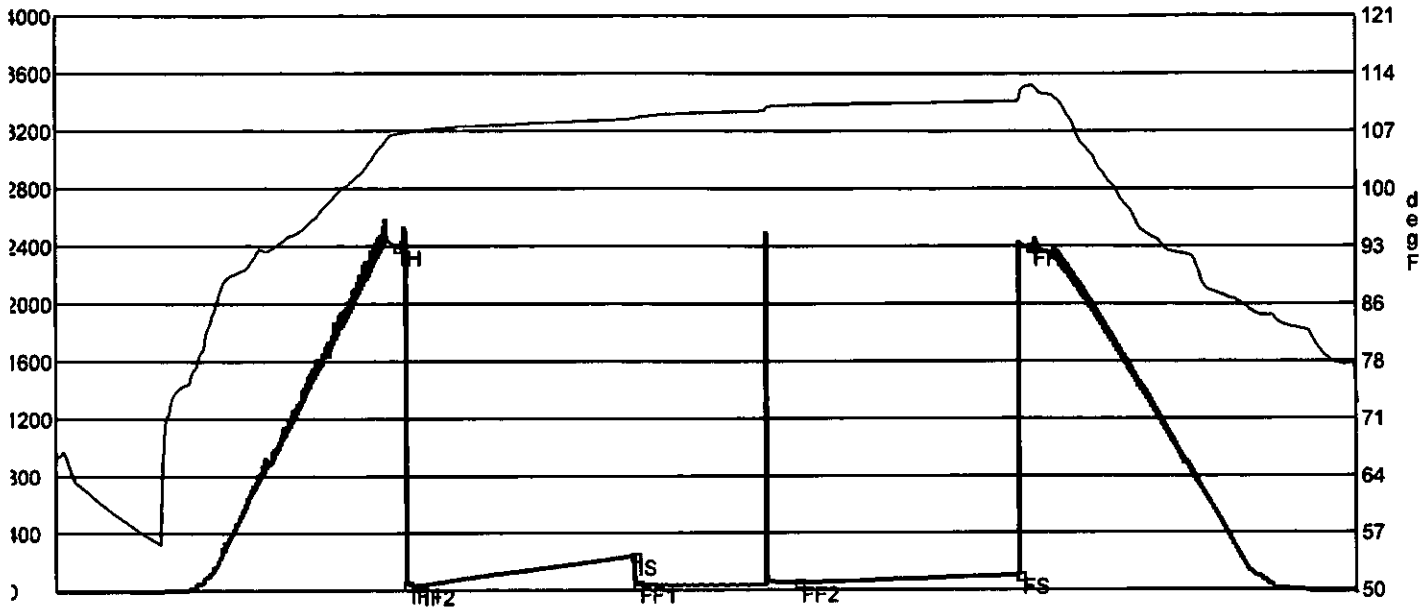
Company	Falcon Exploration, Inc.	Lease Name	GRC (NW)	
Address	125 N. Market, Ste. 1252	Lease #	3-11	
City	Wichita, KS 67202	Legal Desc	SW-NW-NW-NW	Job Ticket 2123
Person	Dave Williams	Section	11	Range 22W
		Township	31 S	
		County	Clark	State KS
		Drilling Cont	Sterling Drilling Co. Rig #4	
Comments	Legal Description Feet: 510' FNL & 210' FWL Field: Liberty River			

GENERAL INFORMATION

Test #	1	Test Date	9/26/2010	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters			Top Recorder #	W1119		
Test Type	Conventional Bottom Hole			Mid Recorder #	W1022		
	Successful Test			Bott Recorder #	13310		
No. of Packers	2.0	Packer Size	6 3/4	Mileage	132	Approved By	
Fluid Type	Gel Chem			Standby Time	0		
Fluid Weight	9.2	Viscosity	48.0	Extra Equipmnt	Jars & Safety joint		
Rate	10.0	Chlorides	8000	Time on Site	1:50 AM		
				Tool Picked Up	3:50 AM		
				Tool Layed Dwn	12:00 PM		
Well Collar Len	218.0			Elevation	2202.00	Kelley Bushings	2211.00
Light Pipe Len	0						
Formation	Inola			Start Date/Time	9/26/2010 3:02 AM		
Interval Top	5069.0	Bottom	5184.0	End Date/Time	9/26/2010 12:02 PM		
Anchor Len Below	115.0	Between	0				
Stat Depth	5184.0						
Flow Type	Weak surface blow at the start of the initial flow period, building to 1 inch. Weak 1/4 inch blow at the start of the final flow period, building to 1 inch in 45 minutes. At the 55 minute mark, we flushed the tool and got a 2 inch blow la sting the rest of the period. Times: 5, 90, 70, 90.						

RECOVERY

<u>Set</u>	<u>Description</u>	<u>Gas</u>	<u>Oil</u>	<u>Water</u>	<u>Mud</u>
1	Mud with a very slight trace of oil	0% 0ft	trace	0% 0ft	100% 65ft
ST Fluids	0				



	Date	Time	Pressure	Temp	
IH	9/26/2010 5:22:00 AM	2.333333	2398.705	106.473	Initial Hydro-static
IF1	9/26/2010 5:25:30 AM	2.391667	47.243	106.619	Initial Flow (1)
IF2	9/26/2010 5:30:50 AM	2.480556	33.975	106.867	Initial Flow (2)
IS	9/26/2010 7:00:40 AM	3.977778	240.562	108.304	Initial Shut-In
FF1	9/26/2010 7:01:30 AM	3.991667	47.124	108.362	Final Flow (1)
FF2	9/26/2010 8:09:20 AM	5.122222	54.454	110.07	Final Flow (2)
FS	9/26/2010 9:41:10 AM	6.652778	105.591	110.563	Final Shut-In
FH	9/26/2010 9:46:00 AM	6.733333	2397.239	112.484	Final Hydro-static

AS FLOWS

in Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Falcon Exploration, Inc.	Lease Name	GRC (NW)	
Address	125 N. Market, Ste. 1252	Lease #	3-11	
City	Wichita, KS 67202	Legal Desc	SW-NW-NW-NW	Job Ticket 2123
Person	Dave Williams	Section	11	Range 22W
		Township	31 S	
		County	Clark	State KS
		Drilling Cont	Sterling Drilling Co. Rig #4	
Comments	Legal Description Feet: 510' FNL & 210' FWL Field: Liberty River			

GENERAL INFORMATION

Well #	2	Test Date	9/27/2010	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters			Top Recorder #	W1022		
Well Type	Conventional Bottom Hole			Mid Recorder #	W1119		
	Successful Test			Bott Recorder #	13310		
Depth of Packers	2.0	Packer Size	6 3/4	Mileage	132	Approved By	
Mud Type	Gel Chem			Standby Time	0		
Mud Weight	9.1	Viscosity	51.0	Extra Equipmnt	Jars & Safety joint		
Rate	10.4	Chlorides	7000	Time on Site	11:40 PM		
				Tool Picked Up	1:15 AM		
				Tool Layed Dwn	11:50 AM		
Well Collar Len	218.0			Elevation	2202.00	Kelley Bushings	2211.00
Depth Pipe Len	0						

Formation	Morrow			Start Date/Time	9/27/2010 12:45 AM
Interval Top	5177.0	Bottom	5220.0	End Date/Time	9/27/2010 11:51 AM

Anchor Len Below	43.0	Between	0
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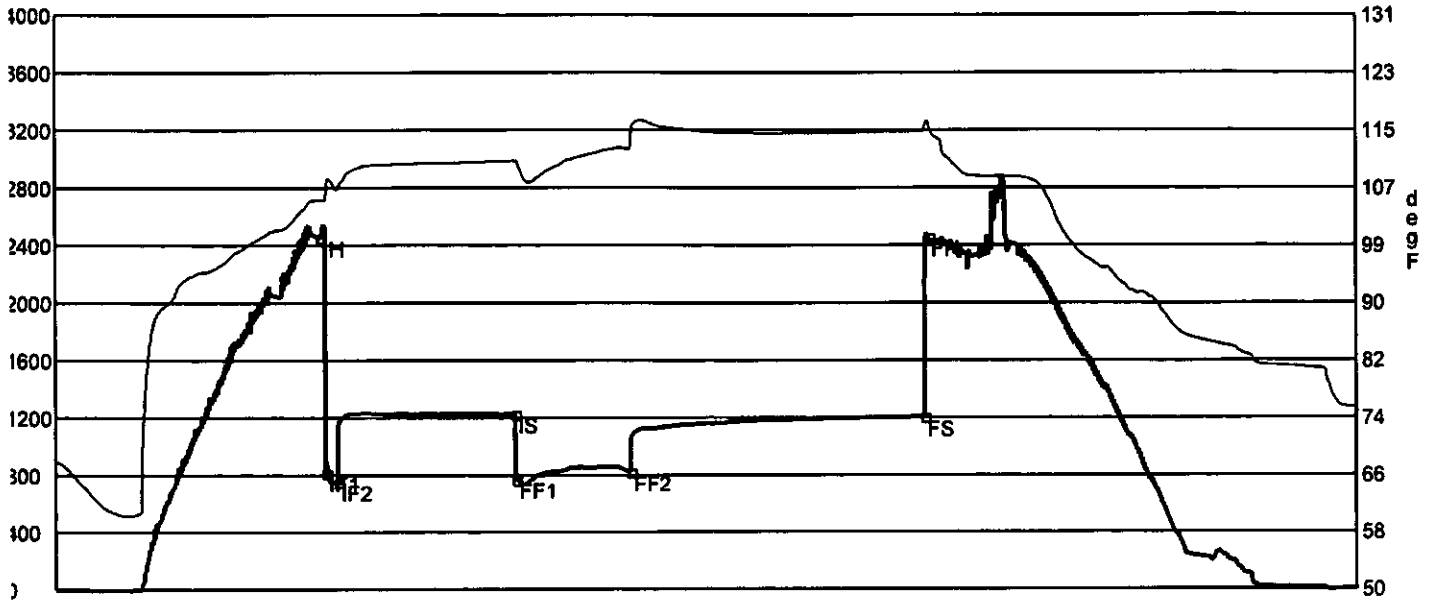
Interval Depth **5220.0**

Flow Type **Very strong blow throughout the initial flow period, hitting the bottom of the bucket instantaneously. GTS: 2 minutes. Very strong blow throughout the final flow period, hitting the bottom of the bucket and gas to surface instantaneously. MTS in 25 minutes. Misty oil to surface in 52 minutes. Blow back during the final shut-in period that built to 12 inches. Times: 5, 90, 60, 150. We reverse d fluids out and did not recover any oil, just put mud in vac truck.**

RECOVERY

Set Description	Gas	Oil	Water	Mud
15 Gas in Pipe	100% 4515ft	0% 0ft	0% 0ft	0% 0ft
10 Very heavy mud cut oil	0% 0ft	53% 169.6ft	0% 0ft	47% 150.4ft
10 Very slight oil, gas cut mud	24% 31.2ft	10% 13ft	0% 0ft	66% 85.8ft
1 Gassy, slight oil cut mud	7% 4.2ft	20% 12ft	0% 0ft	73% 43.8ft
1 Gas, water, slight mud cut oil	20% 12ft	48% 28.8ft	22% 13.2ft	10% 6ft
1 Very slight oil, slight mud cut water	0% 0ft	3% 2ft	74% 48.1ft	23% 15ft

ST Fluids **32000**



	Date	Time	Pressure	Temp	
IH	9/27/2010 2:58:50 AM	2.230556	2456.253	105.064	Initial Hydro-static
IF1	9/27/2010 3:01:30 AM	2.275	821.211	105.07	Initial Flow (1)
IF2	9/27/2010 3:07:30 AM	2.375	754.375	106.444	Initial Flow (2)
IS	9/27/2010 4:37:50 AM	3.880556	1230.307	110.492	Initial Shut-In
FF1	9/27/2010 4:38:20 AM	3.888889	772.468	110.228	Final Flow (1)
FF2	9/27/2010 5:37:40 AM	4.877778	824.151	112.167	Final Flow (2)
FS	9/27/2010 8:09:10 AM	7.402778	1205.625	114.771	Final Shut-In
FH	9/27/2010 8:11:20 AM	7.438889	2457.154	115.865	Final Hydro-static

AS FLOWS

<u>in Into IFP</u>	<u>Min Into FFP</u>	<u>Gas Flows</u>	<u>Pressure</u>	<u>Choke</u>
0		1694.00 mcf	16.00 psig	1.50 in
10		2503.00 mcf	29.00 psig	1.50 in
20		2737.00 mcf	33.00 psig	1.50 in



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

December 20, 2010

CYNDE WOLF
Falcon Exploration, Inc.
125 N MARKET STE 1252
WICHITA, KS 67202-1719

Re: ACO1
API 15-025-21516-00-00
GRC 3-11(NW)
NW/4 Sec.11-31S-22W
Clark County, Kansas





Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
CYNDE WOLF

ROP (min/ft) 
Gamma (API) 

TG (Units) 
C1 (units) 
C2 (units) 
C5 (units) 

Depth

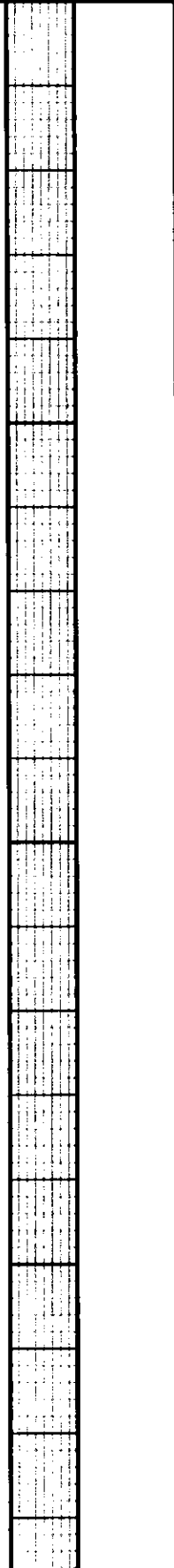
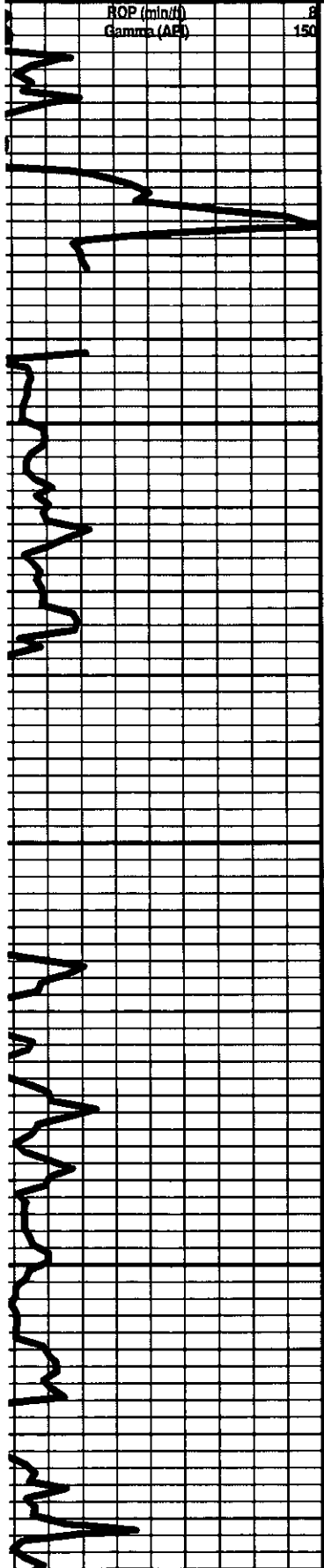
Porosity

Lithology

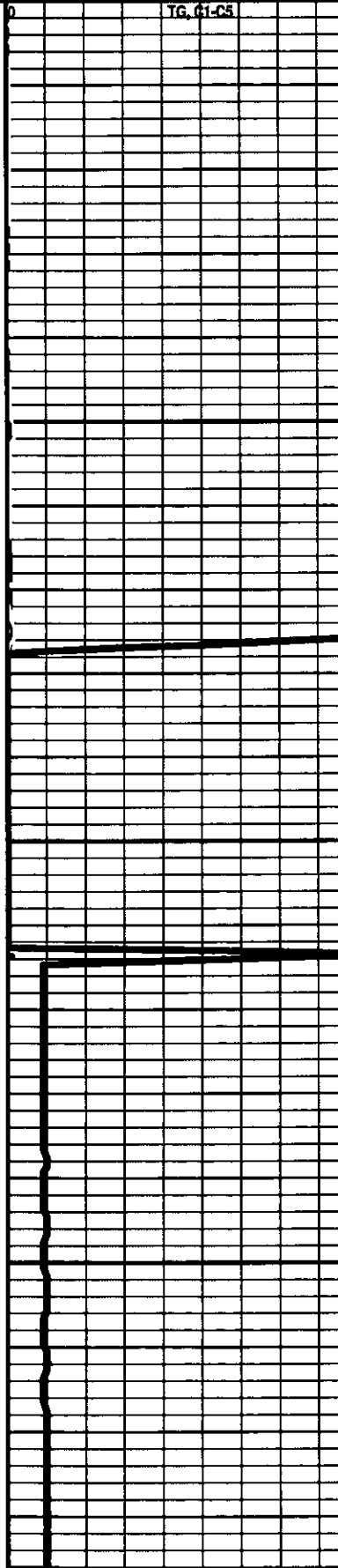
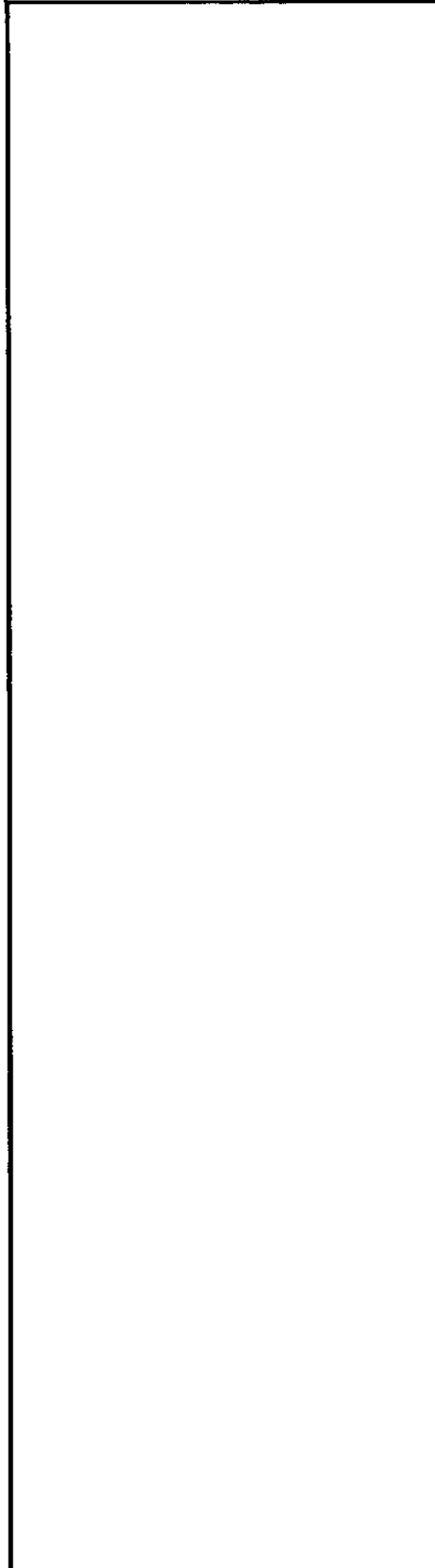
Oil Shows

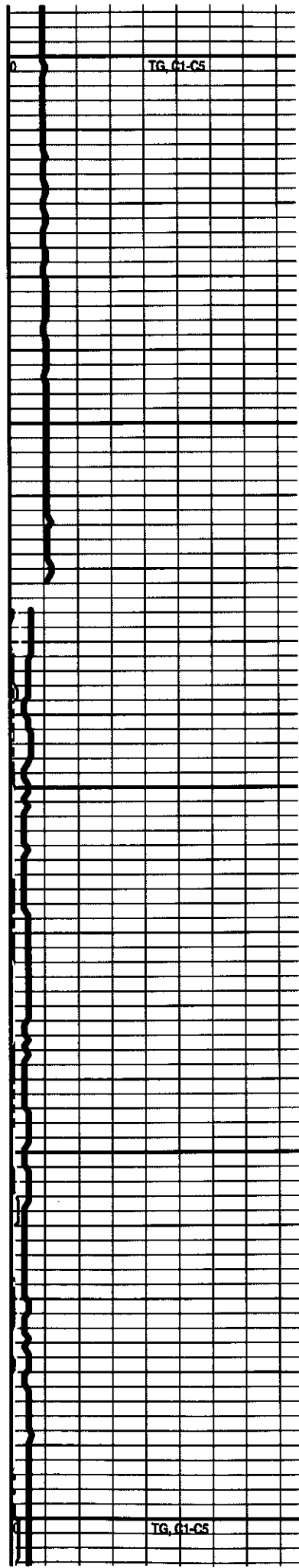
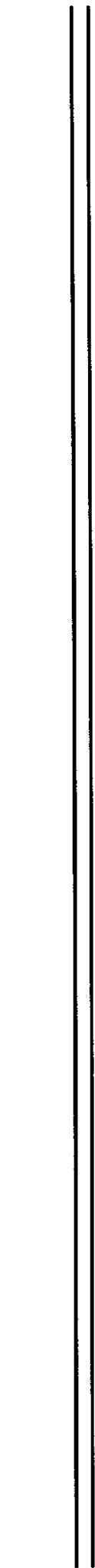
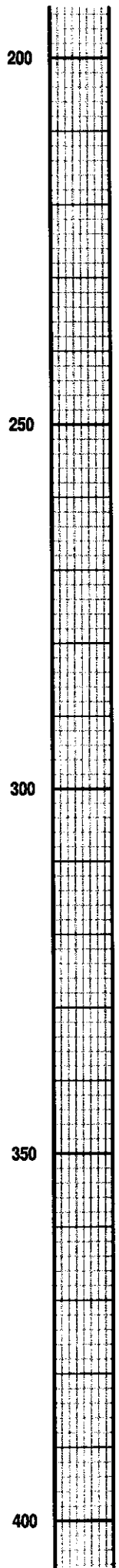
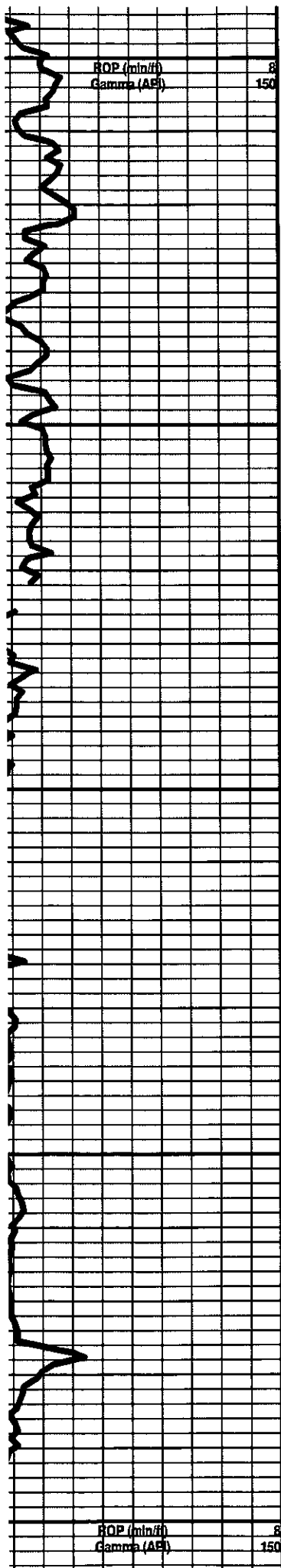
Geological Descriptions

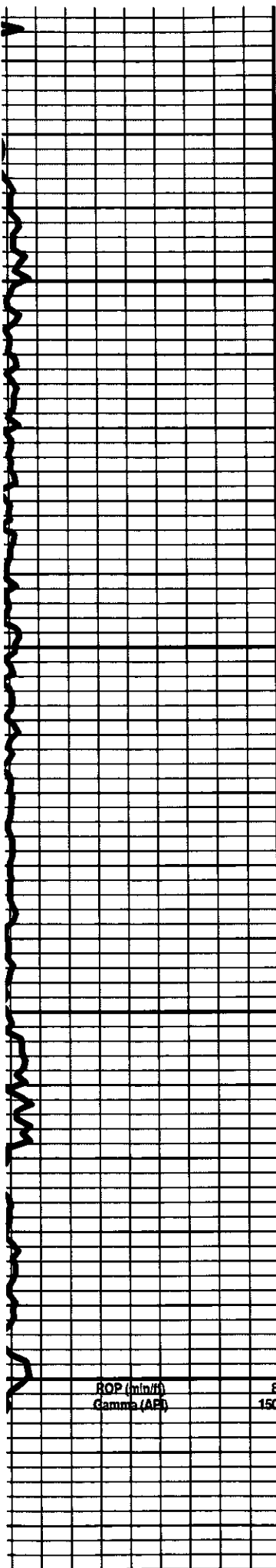
24%
18%
12%
6%



GRC #3-11(NW)
510' FNL & 210' FWL SECTION 11-31S-22W
CLARK COUNTY, KANSAS
KB 2211'
API#15-025-21516-0000
STERLING DRILLING





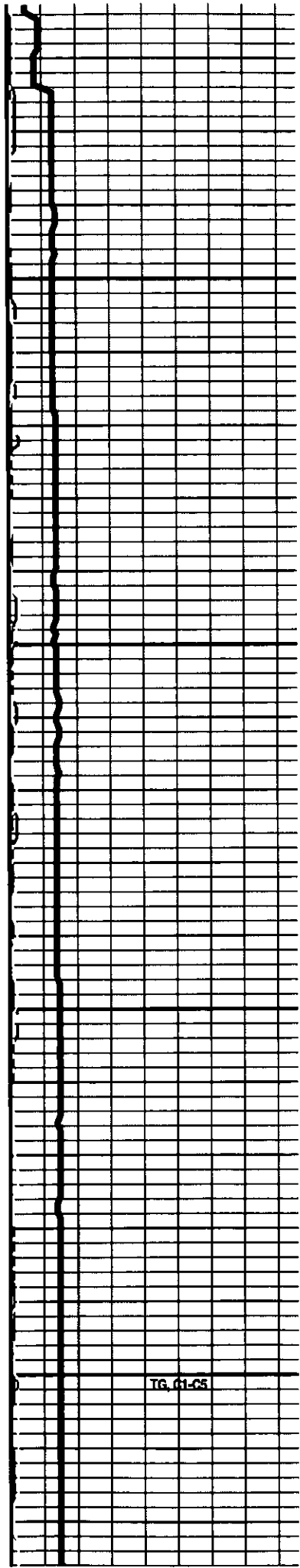


450

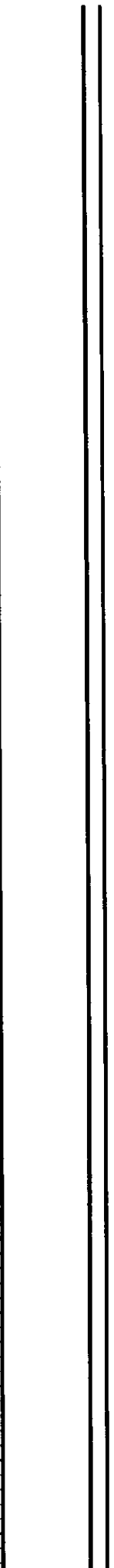
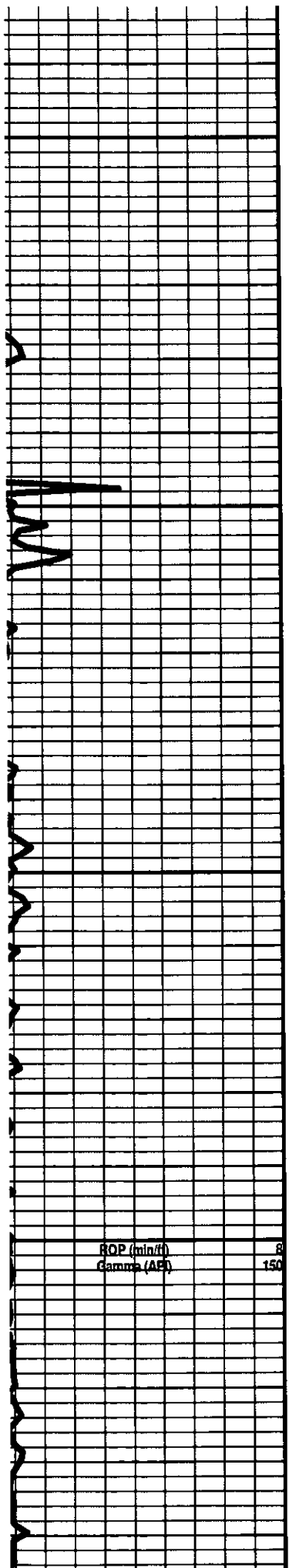
500

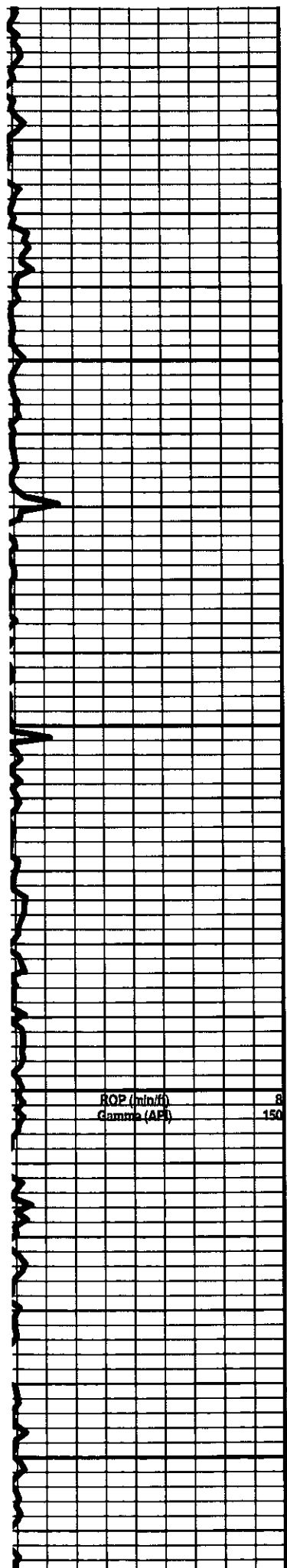
550

600



TG (G-C5)



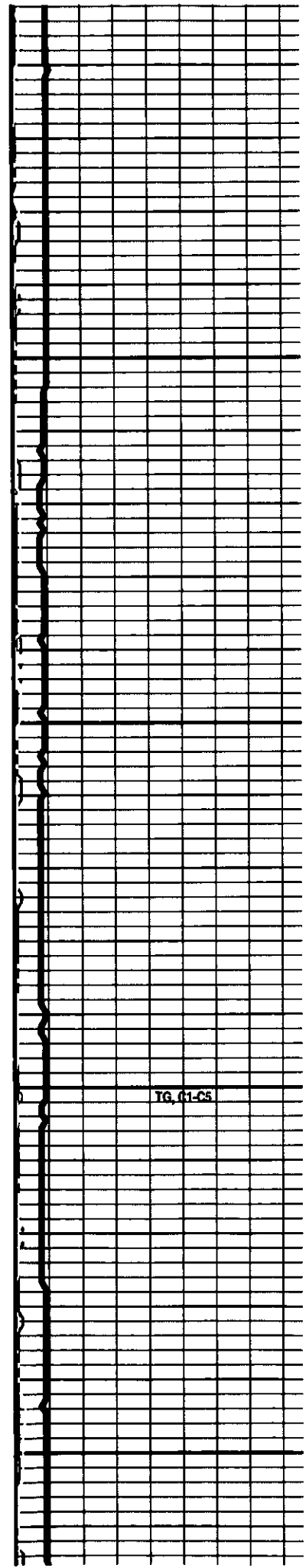


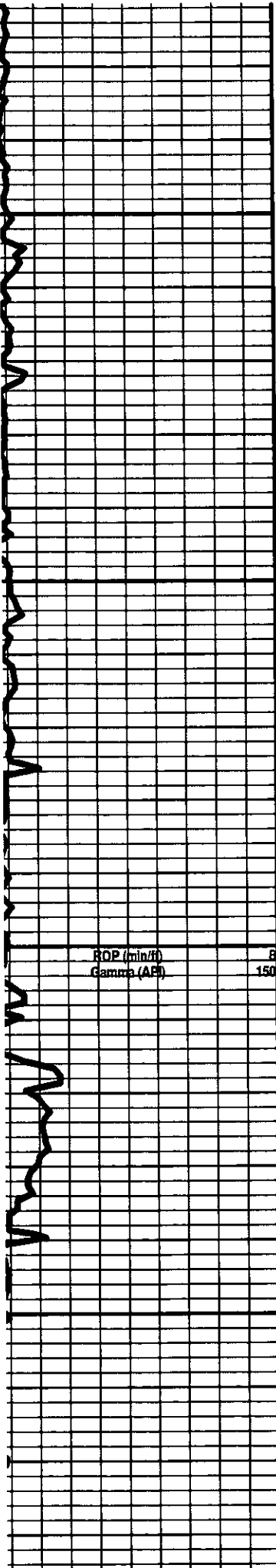
900

950

1000

1050





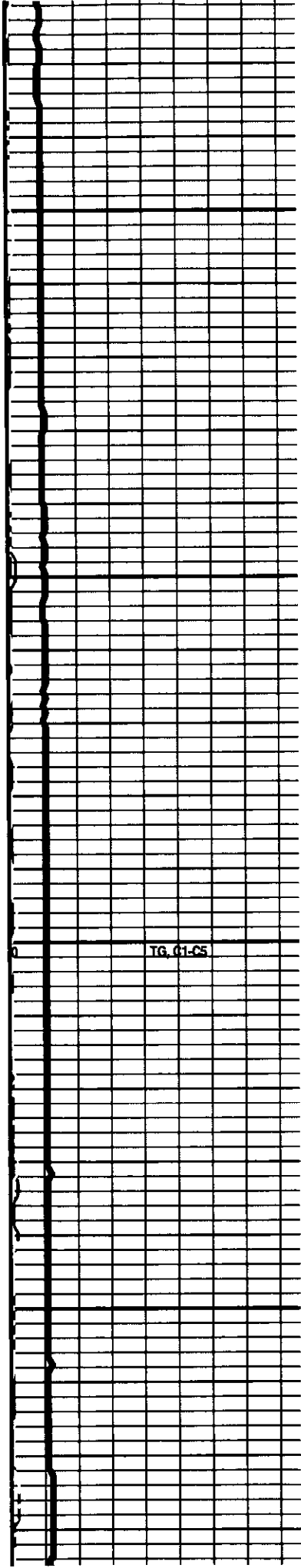
1100

1150

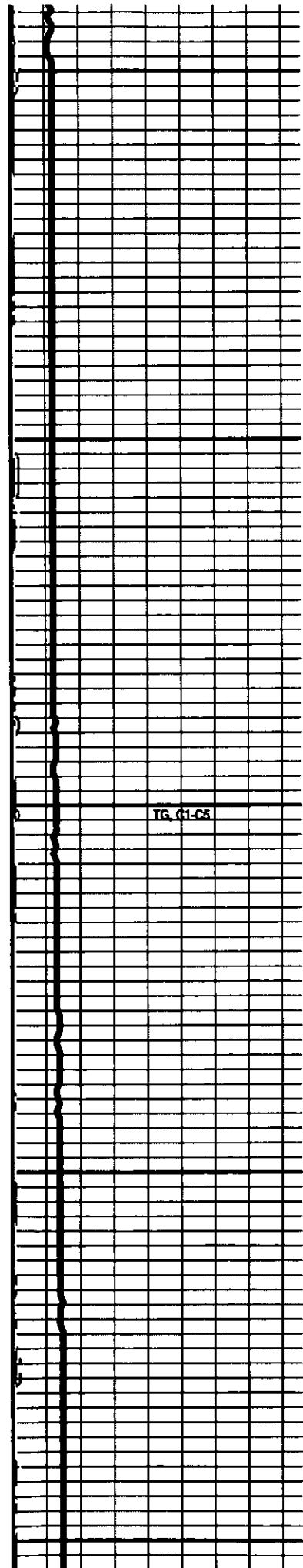
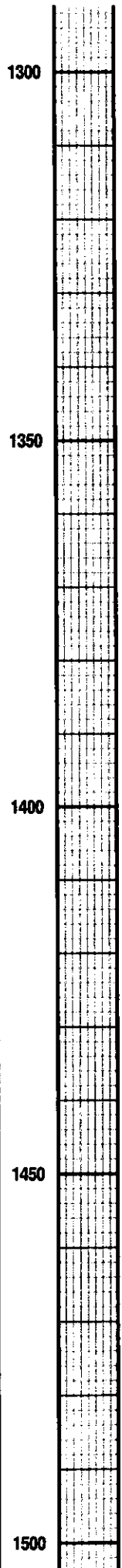
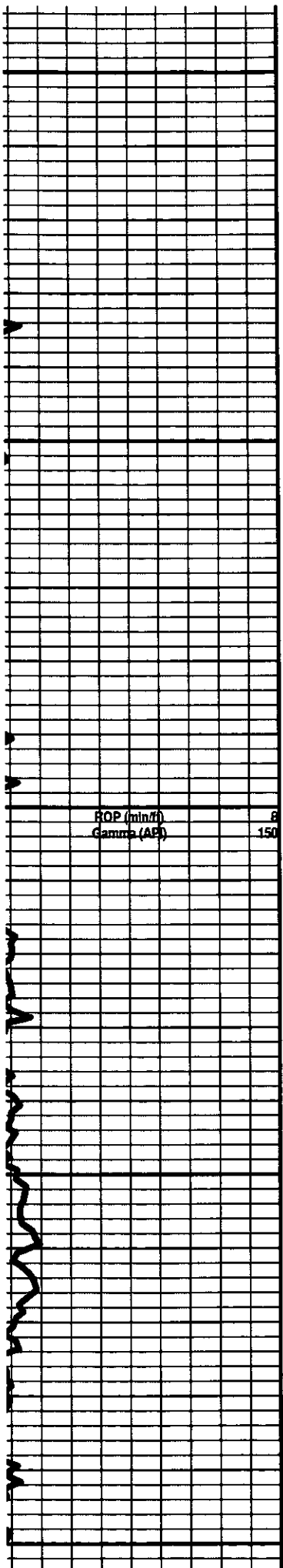
1200

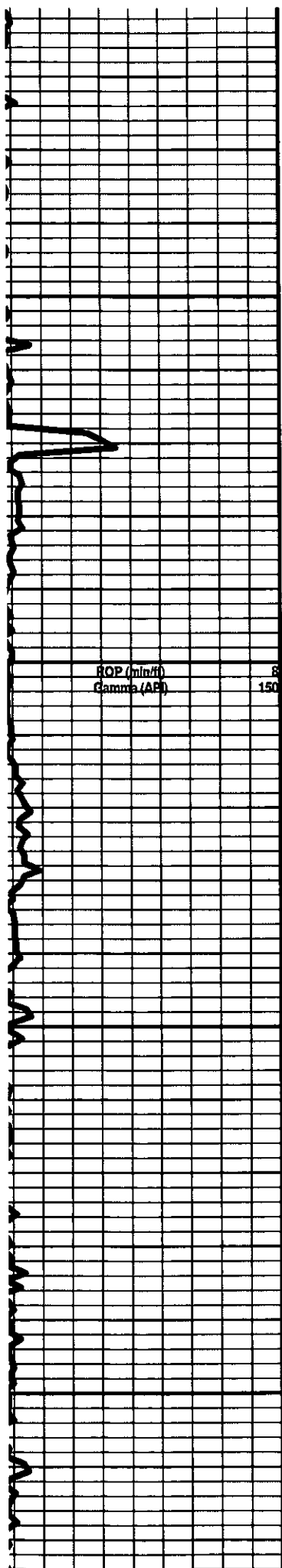
1250

ROP (min/f)
Gamma (API) R
 150



TG, 01-C5



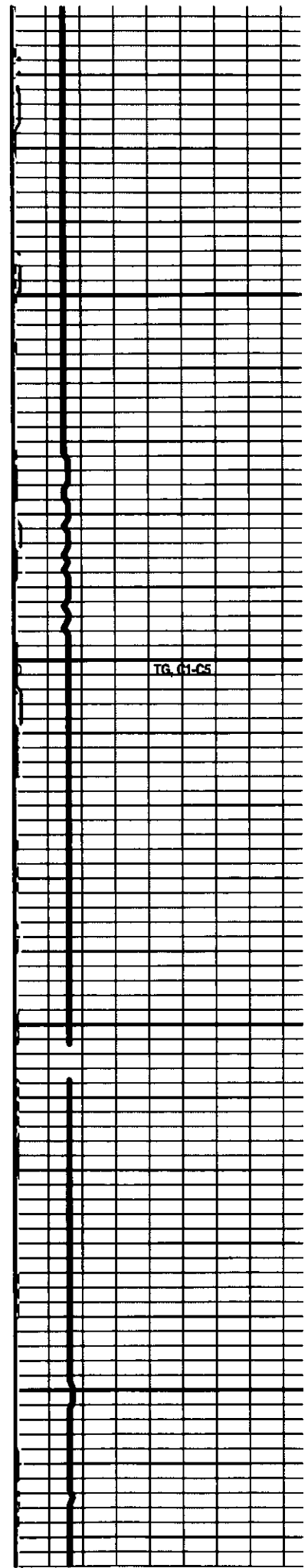


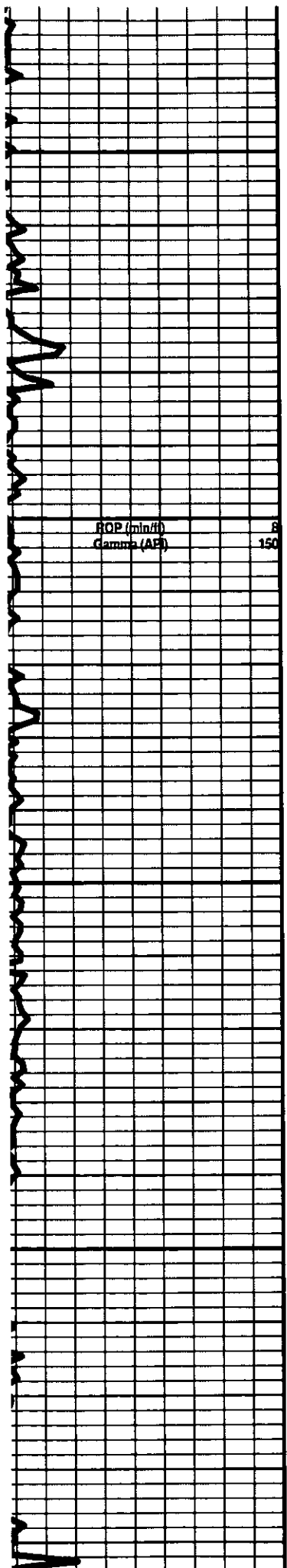
1550

1600

1650

1700





1750

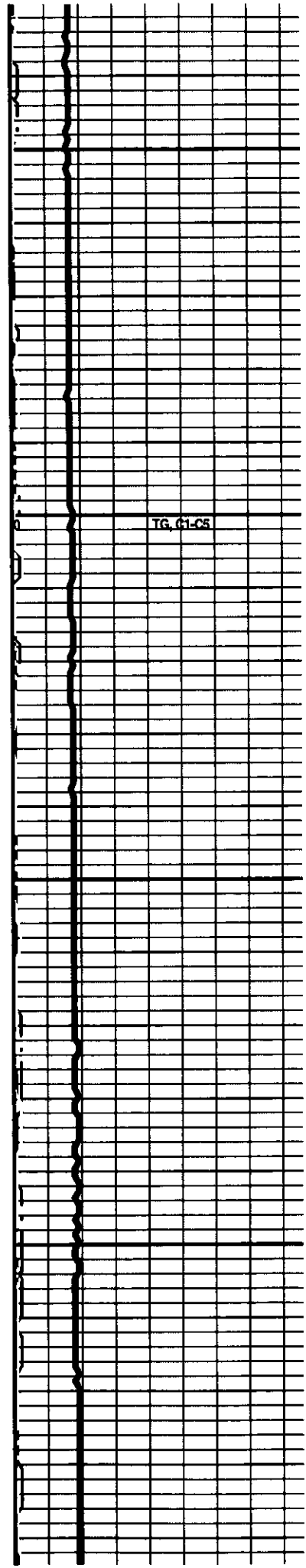
1800

1850

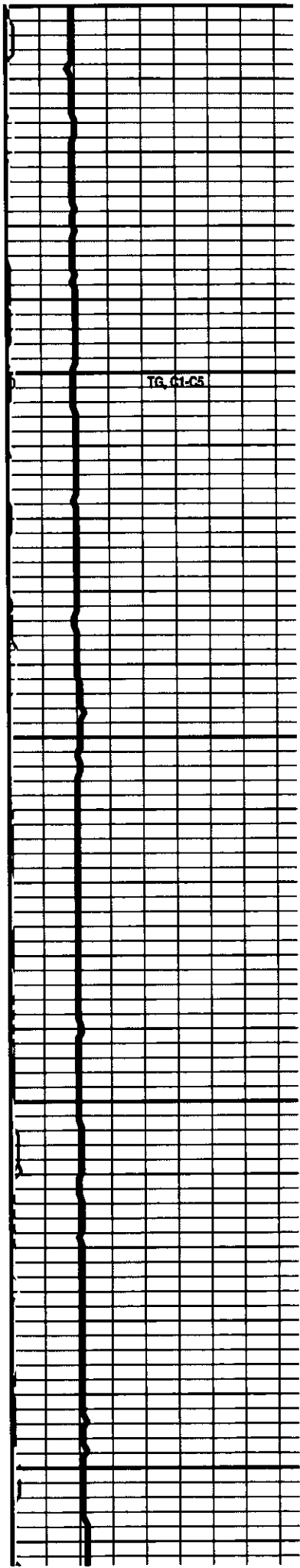
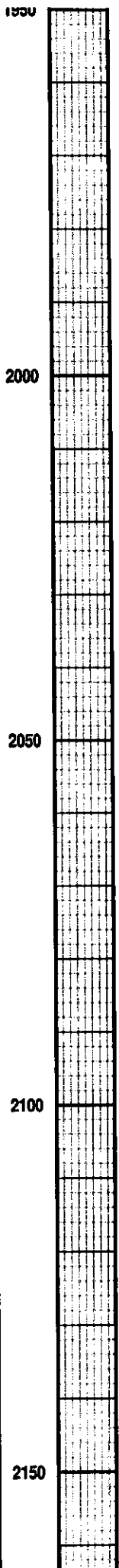
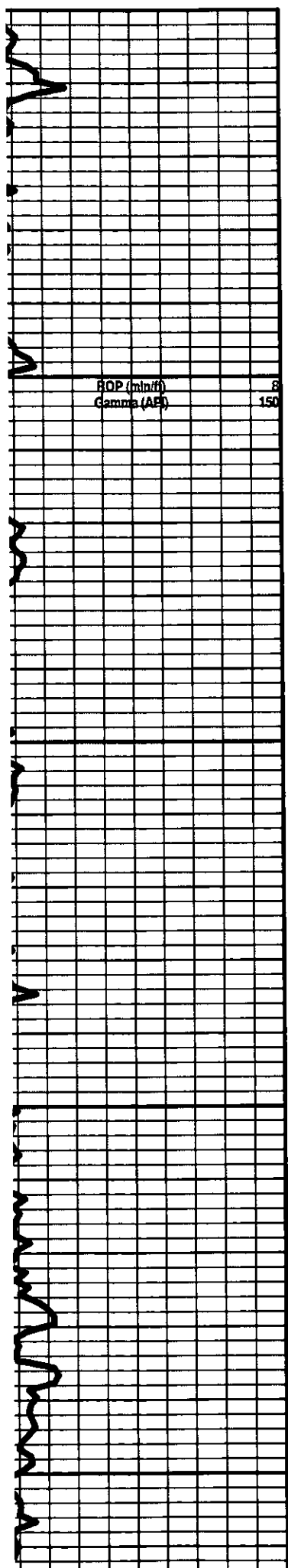
1900

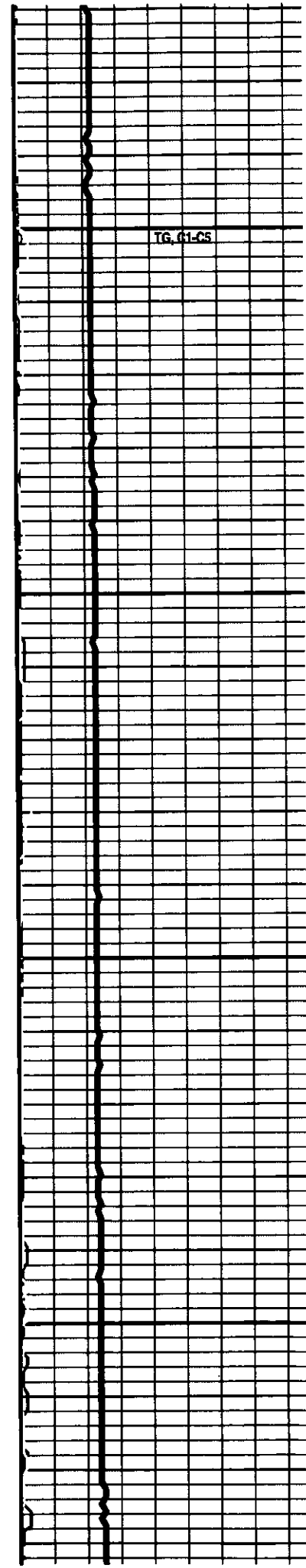
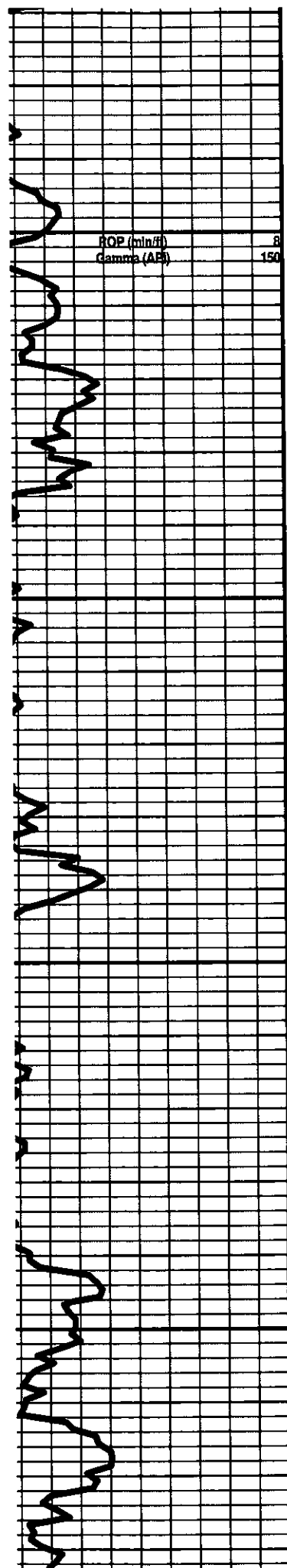
ROP (min/f)
Gamma (AE)

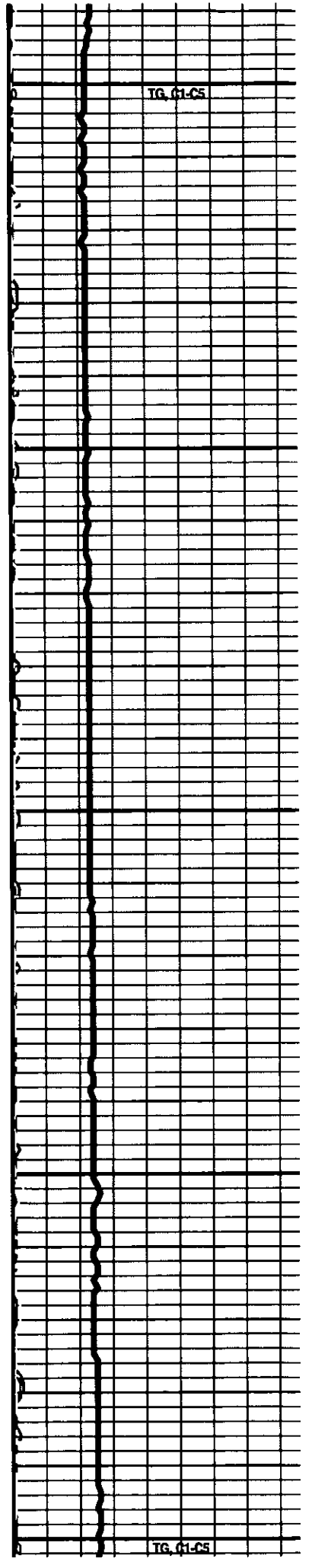
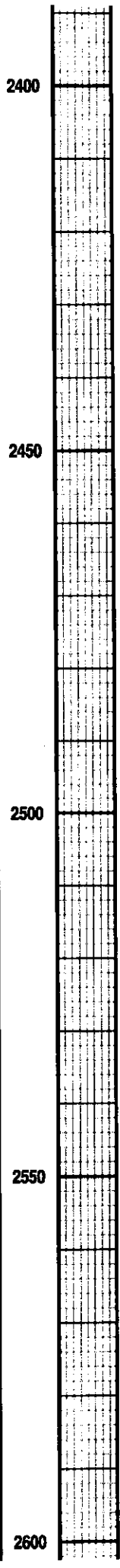
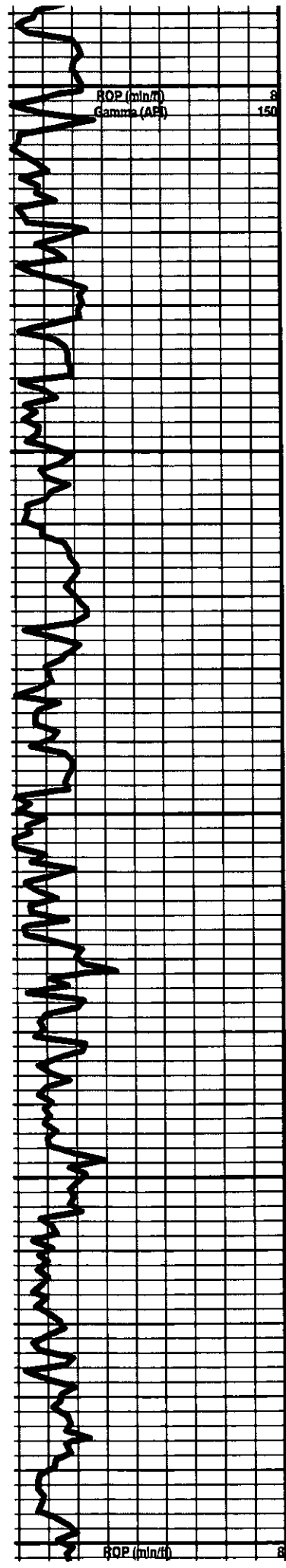
8
150

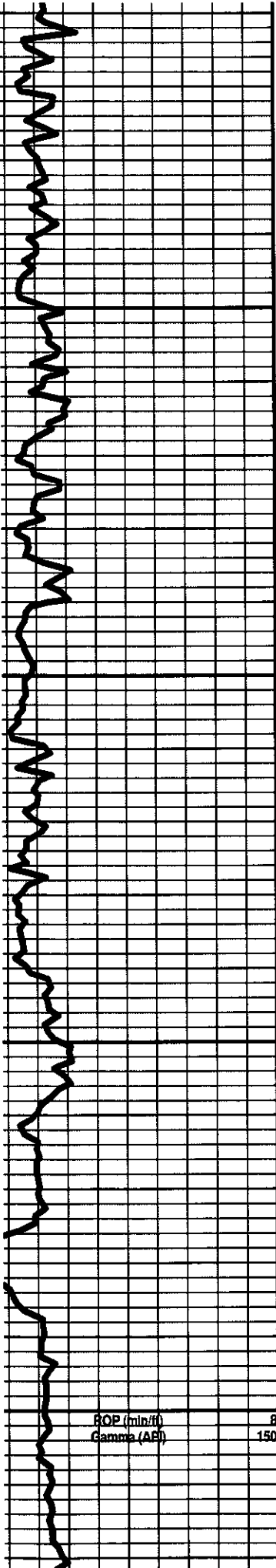


TG, C1-C5









2650

2700

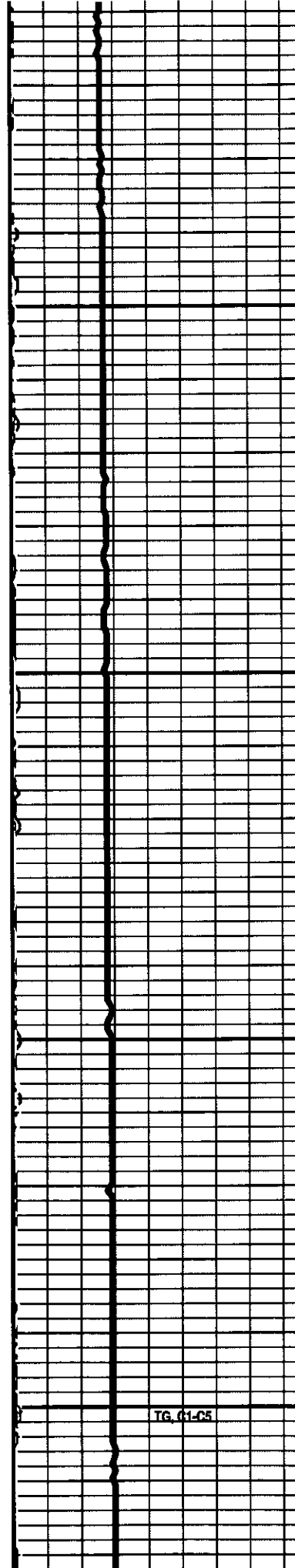
2750

2800

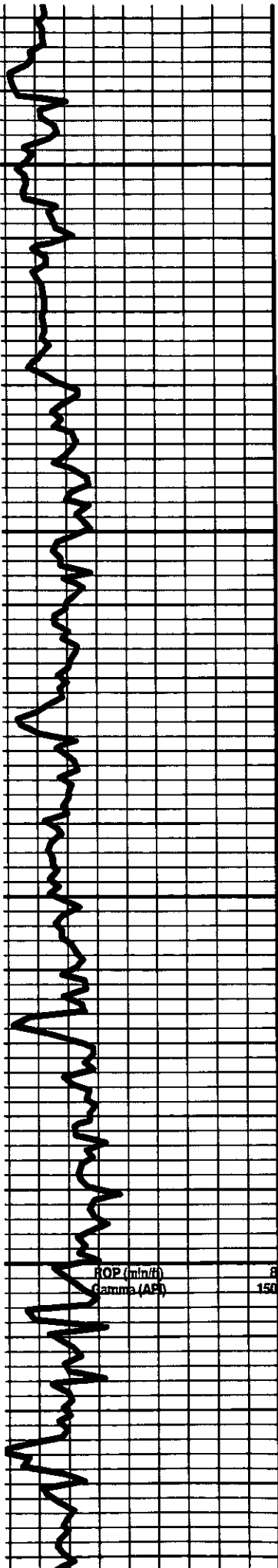
ROP (min/ft)
Gamma (API)

8
150

Table with multiple columns and rows, containing detailed data points and text, likely a log or data table. The text is too small to read accurately.



TG (C1-C5)



2850

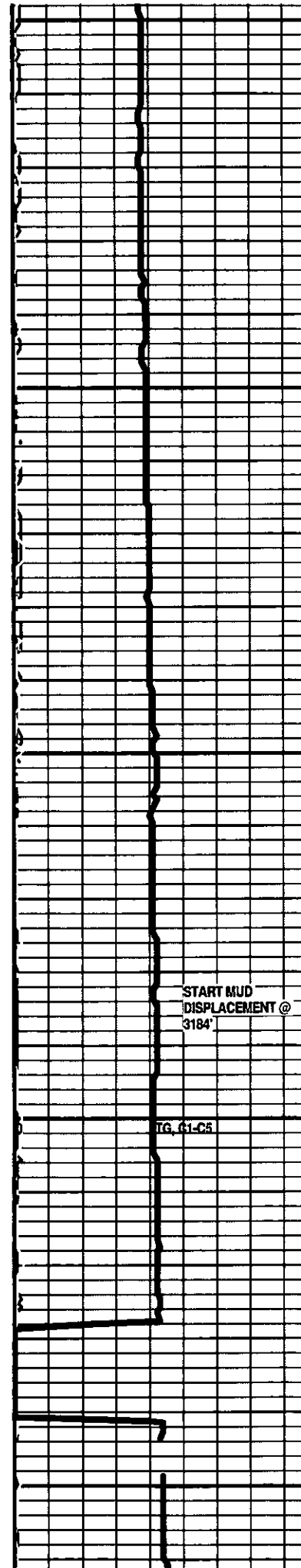
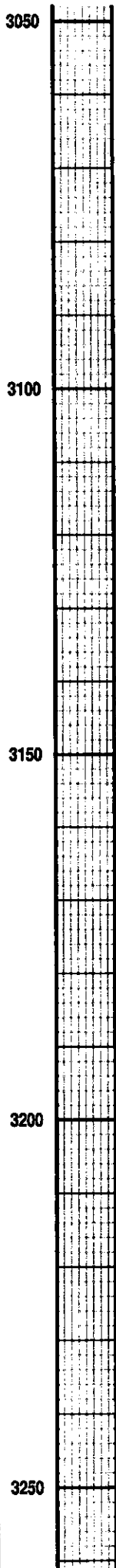
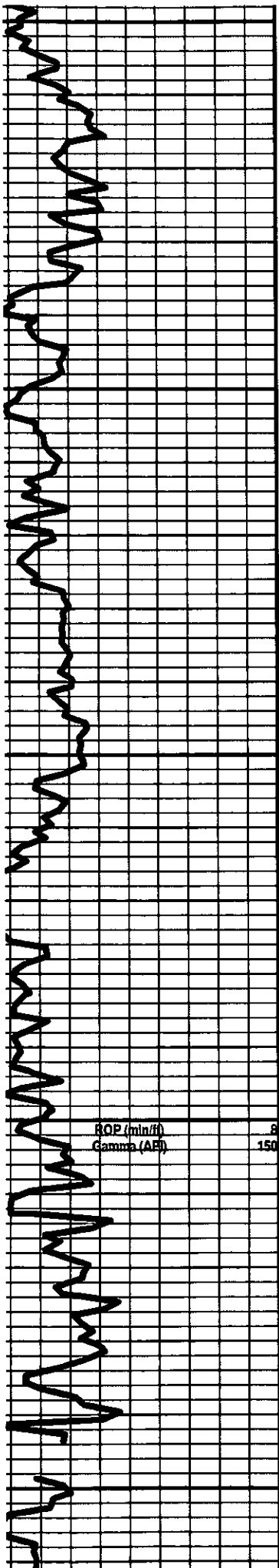
2900

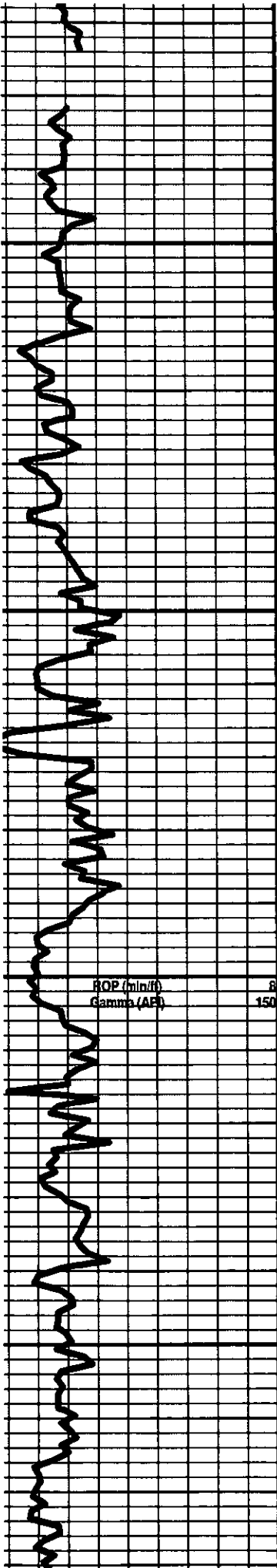
2950

3000



TG (G1-G5)





3300

3350

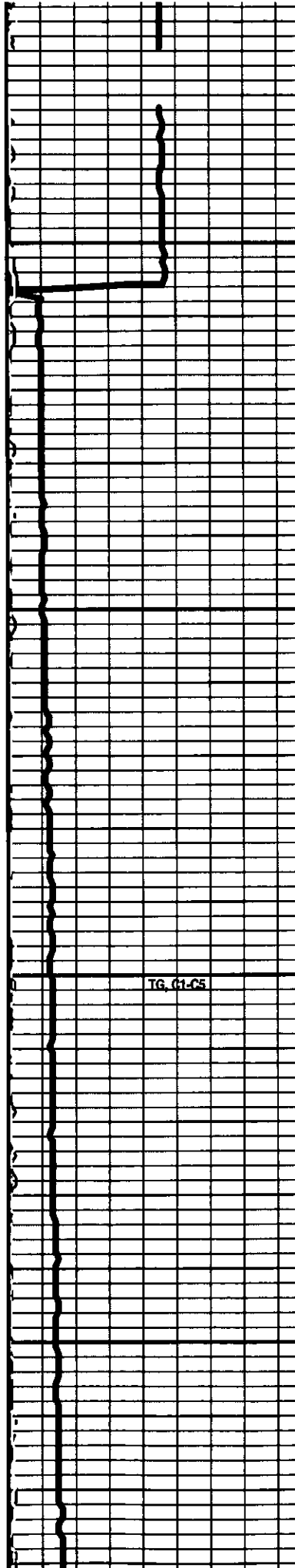
3400

3450

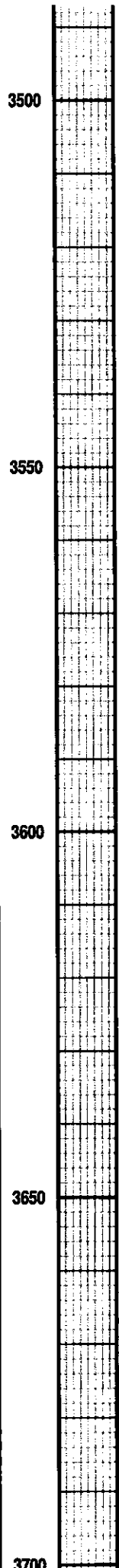
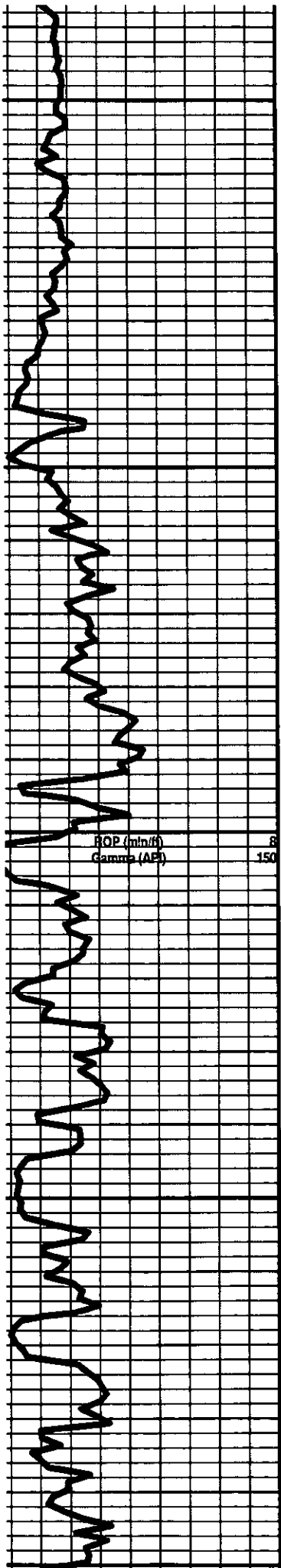
RQP (mho-ft)
Gamma (API) 8
150



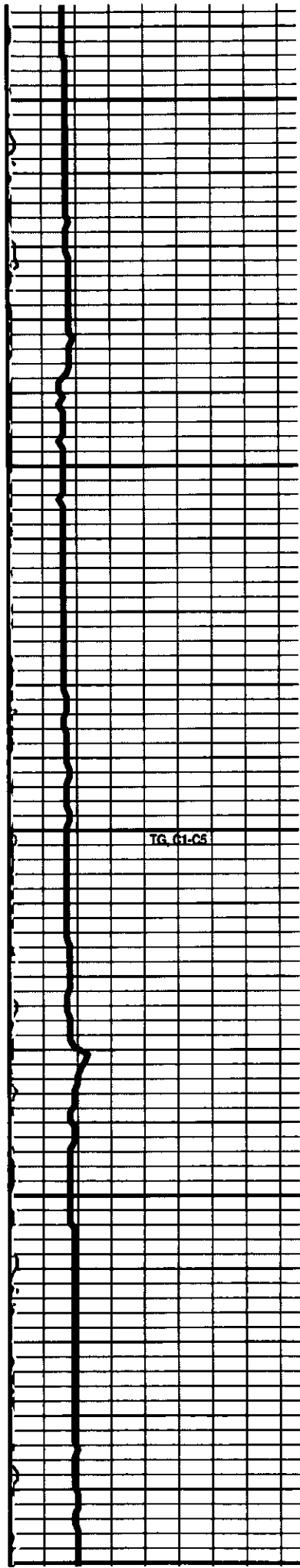
Root Shale 3466 (-1255)

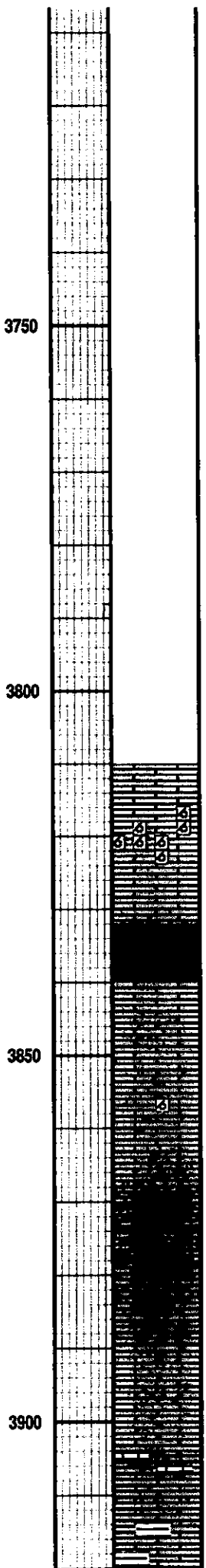
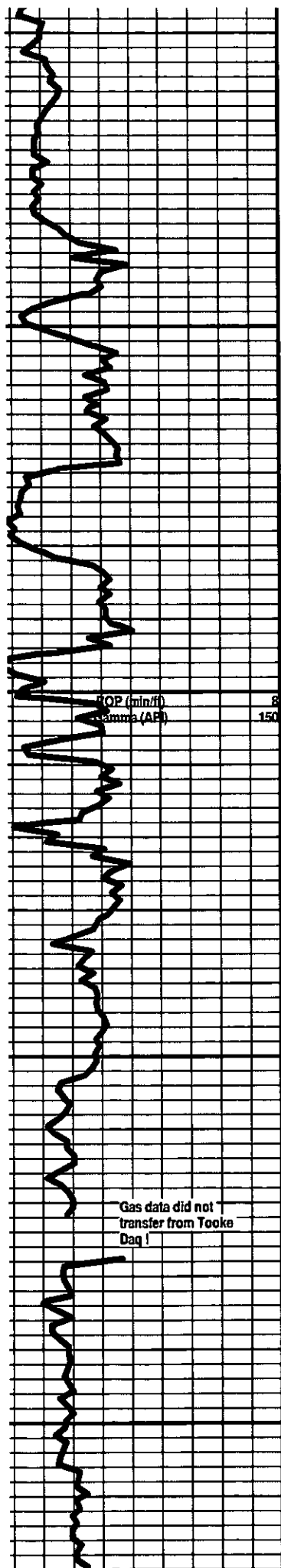


TG, G1-C5



Stotler Ls. 3550 (-1339)





3750

3800

3850

3900

Ls tan Lith, Ls tan Lith few pieces grade to micro oomoldic in part, Sh med to Lt. gray

Brian Fisher Geologist on Location

Shale Lt Gray

Ls lith tan, Ls tan few pieces with med to large oolds, well cemented no vis por. No show, No stain.

Ls tan lith, Ls off white to sl chalky, No vis por, Ls tan lith to sl. gran.

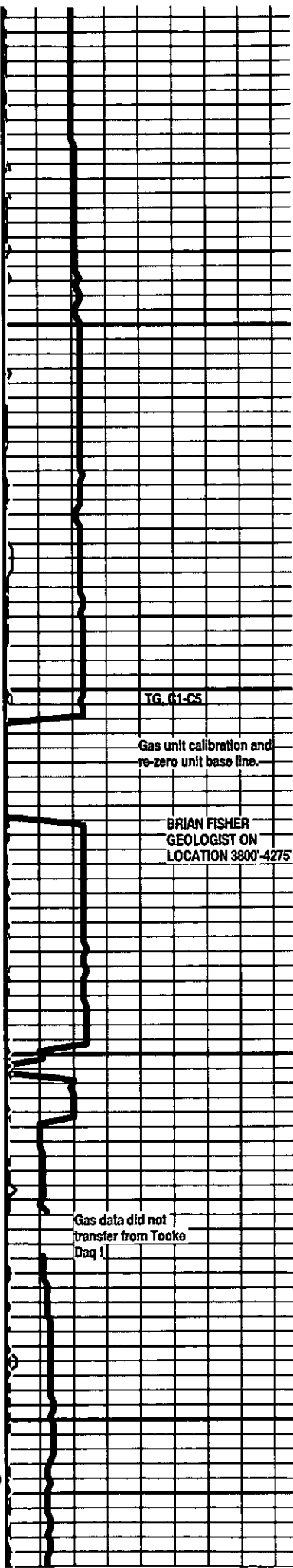
Ls white to off white as abv, Ls tan Lith, Ls off white to lt gray in appearance, Few pices with excellent por. No show, No odor, No Flour.

Ls off white, gran sli foss, Sli oolitic, no vis por, , sh, black, Ls off wh, vfxn, no vis por, no stain. no flour

Ls off white sli gran to vfxn in part, no vis po,r no show, no flor, no flour, few pices sli spotty black stain.

Ls off white as abv, Ls lt gray, vfxn to lith, sli foss, no show, Sh dk gray, Ls med to v lt br, gran, to sli foss, vfxn in part, no vl por. no show

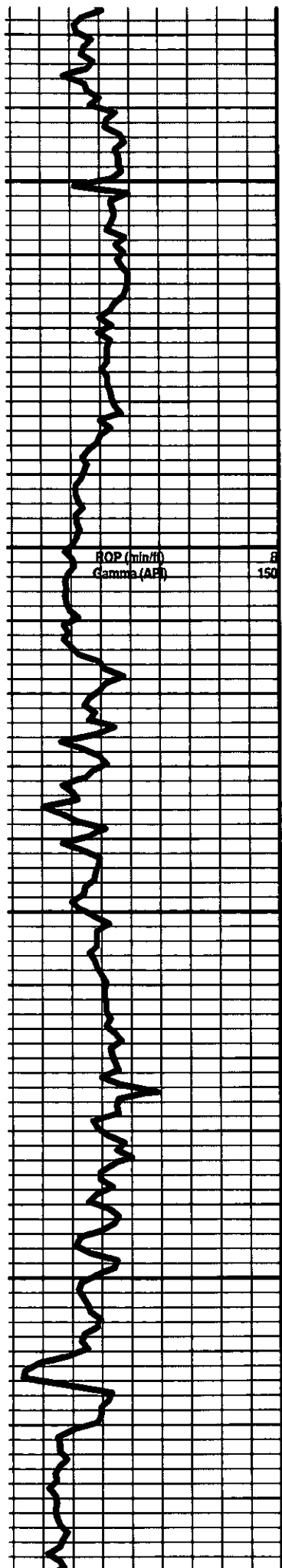
Ls all as abv, with Ls off white, chiky, Some pieces are well cmt oolds, no vis por, few pieces soft chiky, Ls off



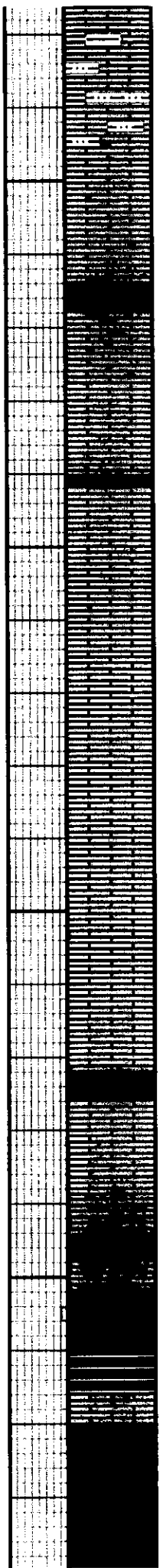
TG 01-C5

Gas unit calibration and re-zero unit base line.

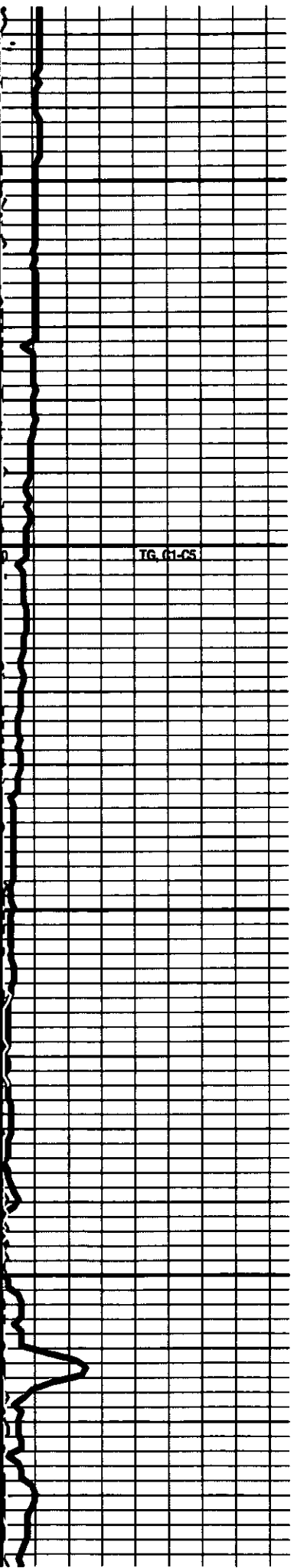
BRIAN FISHER
GEOLOGIST ON
LOCATION 3800-4275



3950
4000
4050
4100



All as abv.
 Increase in Ls lt br , Ltih few pieces Lt br lith gradding to med xin to gran no vis por, Sh vdk gray
 as abv with increase in sh dk gray sity
 ls lt gray, vfxdn, no vis por, m Ls lt gray lith grad to vfxdn gradding to sl chiky, no vis por, with sml sh frag, no shows
 Ls as abv, Sh dk gray to black
 as abv, also with ls oomoldic no vis por, no stain , no odor, no flour.
 Ls as abv, Ls med br. with red unk. mln., sh dr br & sh black.
 Ls off wh lith gradding to frag (sml grains), no vis por, Sh dk gray, Ls lt br frag, no vis por.
 Increase in Ls off wh frag, no vis por. with well cmt oolds no vis por.
 Ls off wh lith to frag (sml grains) no vis por
 as abv, few pieces Ls off wh fxin to med xin, poss vugs, poor vis por no show
 Ls off wh frag (sml grains) no vis por, some dk gray sh
 Ls as abv, with lncease sh dk gray
 Ls off wh, frag to vfxdn
 Sh dk gray
King Hill Shale 4111 (-1900)
 Sh black massive to plty, sl gassy, Ls lt br, frag. & lith, no vis por. also few pieces sl oolitic, dense no por.
 sh dk gray massive to sl plty, Sh black also with Ls lt br lith no vis por
 as abv



4150

LS of white frag and foss, very poor por, no show

Ls off white as abv, also Ls lith no vis por.

Ls off white, oolcastic, well cemented, no vis por, no show

Ls as abv.

Ls off wh oocastic, poor to fair por, no shows

Ls off white as abv, Ls off white, lith, no vis por.

Ls off white, as abv.

Ls off wh. Lith to gran (fxn), poor vis por, no shows

Note: All Samples have been Lagged to Depth by Time.

QUEEN HILL SHALE 4245' (-2034')

Sh Blk Carb Fissl Soft Tr SG Ls Wht Fixn Micrite Grad Fxn Gran Por No Odor No Stn No Flour NS

David P Williams P.G. On Location

Ls Wht Fixn Micrite Grad Fxn Gran PorSh Blk Carb Fissl Soft Tr SG No Odor No Stn No Flour NS

HEEBNER 4270' (-2059')

Sh Blk Carb Fissl Soft Tr SG Ls Wht Fixn Micrite Grad Fxn Gran Por No Odor No Stn No Flour NS

TORONTO 4286' (-2075)

Ls Wht-Crm Fixn Micrite Grad Fxn Gran Por Sh Blk Carb Fissl Soft Tr SG No Odor No Stn No Flour NS

DOUGLAS SHALE 4304' (-2093)

Sh Gry-Blu-Gm w/Pry Inelus Ls Wht-Crm Fixn Micrite Grad Fxn Gran Por No Odor No Stn No Flour NS

Sh Gry-Blu-Gm Fissl Soft Ls Wht-Crm Fixn Micrite w/Tr OOM Por Poor IOOL Leaching Por (Stuff ? AA) Chalky In Pt No Odor No Stn No Flour NS

Ls Wht-Crm Fxn to Mxdn Gran Por Fair Igran Por Sil Tr/ Leaching Poor Devel Sh Gry Soft No Odor No Stn No Flour NS

Ls Wht-Crm Fxn to Mxdn Gran Por Fair Igran Por Sil Tr/ Leaching Poor Devel Chalky Fos (Fuss) Sh Gry Soft No Odor No Stn No Flour NS

Sh Gry Soft Ls Wht-Crm AA Fxn to Mxdn Gran Por Fair Igran Por Sil Tr/ Leaching Poor Devel Chalky t No Odor No Stn No Flour NS

TG, G1-C5

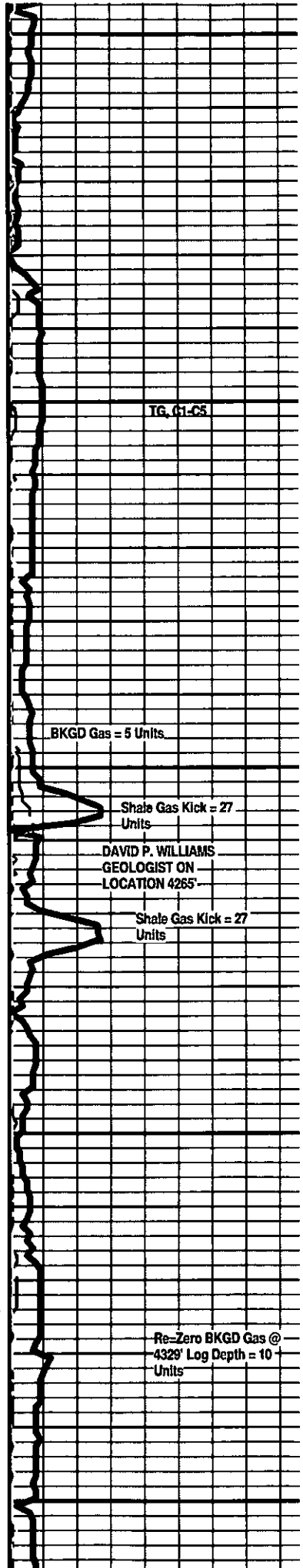
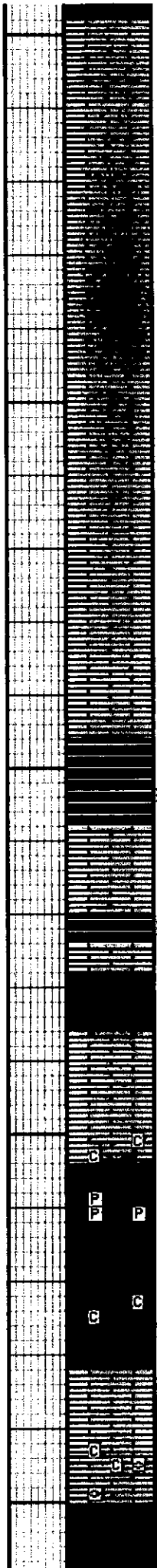
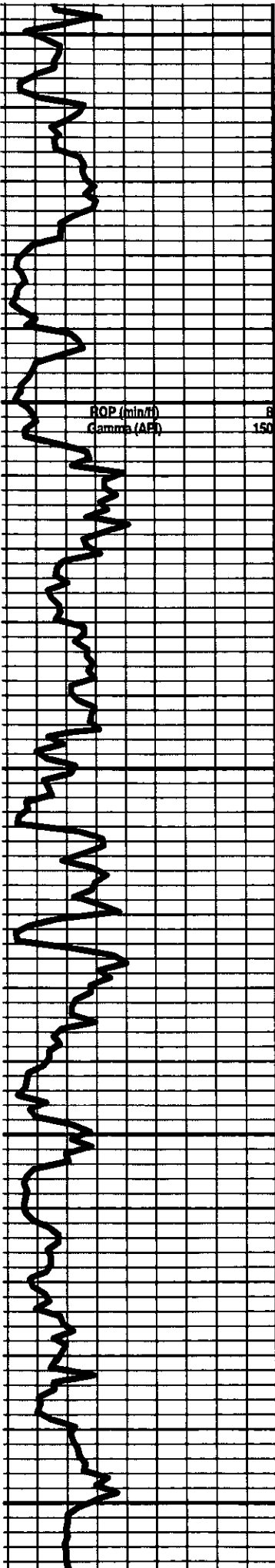
BKGD Gas = 5 Units

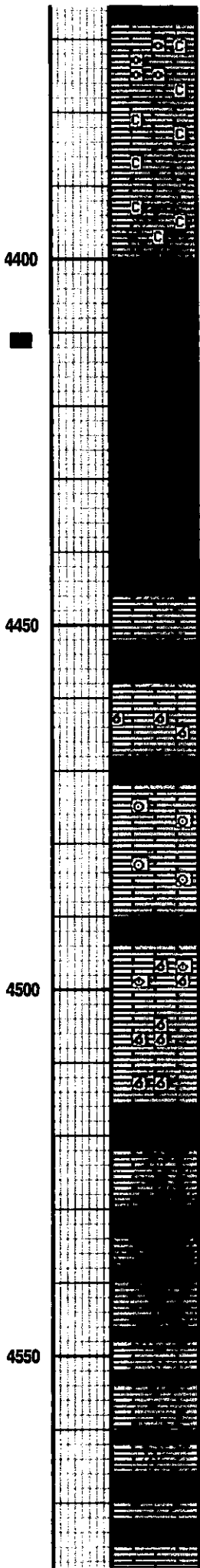
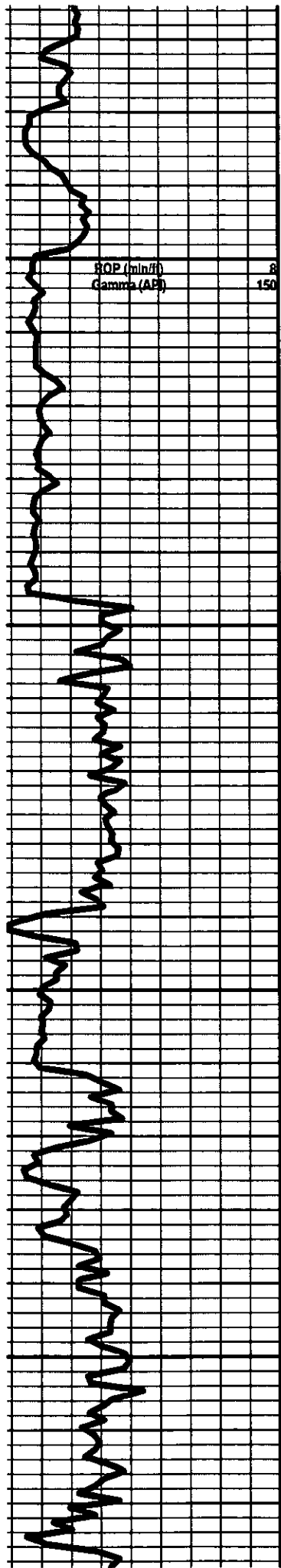
Shale Gas Kick = 27 Units

DAVID P. WILLIAMS
GEOLOGIST ON
LOCATION 4265'

Shale Gas Kick = 27 Units

Re-Zero BKGD Gas @
4328' Log Depth = 10
Units





Flour NS

Ls Wht-Crm FxIn to Mxdn Gran Por Fair Igran Por Sll Tr/
Leaching Poor Devel Chalky Fos (Fuss) Sh Gry Soft No
Odor No Stn No Flour NS

Ls Wht-Crm FxIn to Mxdn Gran Por Fair Igran Por Sll Tr/
Leaching Poor Devel Chalky Sh Gry Soft No Odor No Stn
No Flour NS

Ls Wht-Crm FxIn to Mxdn Gran Por Fair Igran Por Sll Tr/
Leaching Poor Devel Chalky Sh Gry Soft No Odor No Stn
No Flour NS

Sh Gry Soft Ls Wht-Crm AA Dec FxIn (Sluff ?) Chalky
No Odor No Stn No Flour NS

Sh Gry Soft Ls Wht-Crm AA Dec FxIn (Sluff ?) Chalky No
Odor No Stn No Flour NS

Sh Gry Soft Ls Wht-Crm AA (Sluff ?) Chalky t No Odor
No Stn No Flour NS

Sh Gry Soft Ls Wht-Crm AA Dec FxIn (Sluff ?) Chalky No
Odor No Stn No Flour NS

IATAN (BROWN LIME) 4446' (-2235')

Ls Crm-Bm FxIn Dns Micrite Sh Gry Soft Fissil No Odor
No Stn No Flour NS

Ls Crm Bm-Wht FxIn Micrite Tr OOM Por w/ Poor IOOM
Por Poor Dis Poor Devel Sh AA No Odor No Stn no flour
NS

LANSING 4471' (-2260)

Ls Wht FxIn Micrite Fos (Cry) tr/ Poor bxn Por No Odor No Flour No Stn
NS

Ls Wht FxIn Micrite Grad FxIn w/Poor bxn Por Fos (Cry) tr/ Poor Develop
OOL Por No-Poor Dis No Odor No Flour No Stn NS

Ls Wht FxIn Micrite Grad FxIn w/Poor bxn Por Fos (Brach)
tr/ Poor Develop OOM w/OOL In Pi Por No-Poor Dis Poor
Leaching Sh Gry Soft No Odor No Flour No Stn NS

Ls Wht-Gry FxIn Grad FxIn w/Poor OOM Por Poor
Develop Poor Dis Poor Leaching Sh Gry Soft No Odor No
Flour No Stn NS

Ls Wht-Gry-Bm FxIn Grad FxIn w/Poor OOM Por AA No
Odor No Flour No Stn NS

Ls Wht-Gry FxIn Grad FxIn Micrite Abd Sh Char Gry Fissil
No Odor No Flour No Stn NS

Ls Wht-Gry FxIn Grad FxIn Micrite Grad FxIn Poor bxn
Por Abd Sh Char Gry Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Gry FxIn Grad FxIn Micrite Grad FxIn Poor
bxn Por Sh Char Gry Fissil No Odor No Flour No Stn NS

Ls Crm-Gry-Bm FxIn Grad FxIn Micrite Grad FxIn Poor
bxn Por Sh Char Gry Fissil No Odor No Flour No Stn NS

Ls Crm-Gry-Bm FxIn Grad FxIn Micrite Grad FxIn Poor
bxn Por Cht Drk Gry Op Shp Vit Sh Char Gry Fissil No
Odor No Flour No Stn NS

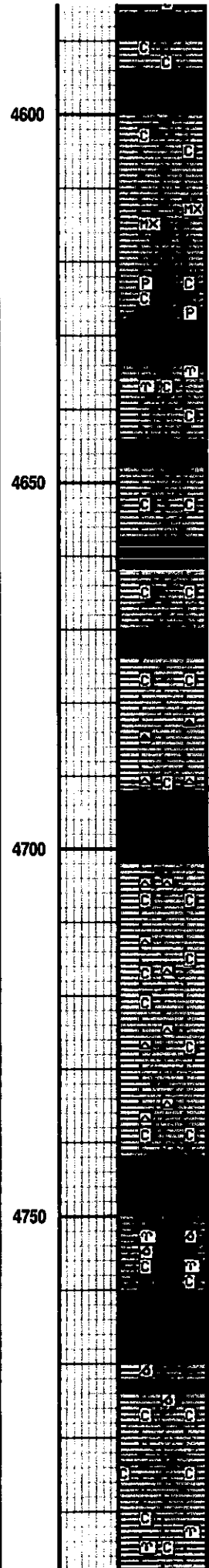
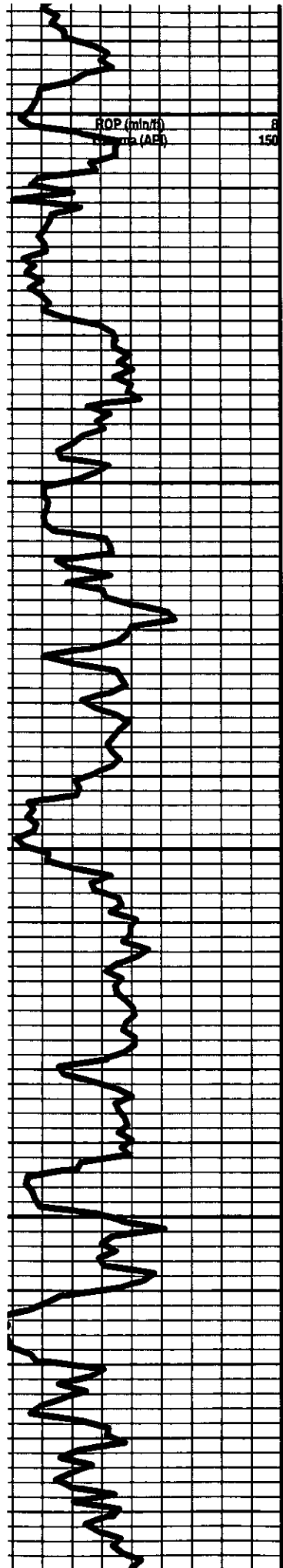
Ls Crm-Gry-Bm FxIn Grad FxIn Micrite Grad FxIn Poor
bxn Por Sh Char Gry Fissil No Odor No Flour No Stn NS

TG, C1-C5

RE-ZERO BKGD GAS
@ 4470 LAG DEPTH =
10 UNITS.

Re-Zero BKGD Gas @
4520' to 12 Units.

Re-Zero BKGD Gas @
4552' Lag Depth = 15
Units



POOR OOM Por Poor Level Poor Dis Chn Gry-Blk
Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Chalky Sh Char
Gry-Blk Fissil No Odor No Flour No Stn NS

Ls Crm Fxln Grad Fxln Micrite Chalky Sh Char Gry-Blk
Fissil No Odor No Flour No Stn NS

Ls Crm Fxln to Microxin Poor bxn Por Tr Pyr Mass Sh
Char-Gry Fissil No Odor No Stn No Flour NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Chalky Sh Char
Gry-Blk Fissil No Odor No Flour No Stn NS

Ls Wht-Gry Fxln Grad Fxln Micrite Chalky Fos (Bryoz) Sh
Char Gry-Blk Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Chalky Sh Char
Gry-Blk Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Chalky Sh Char
Gry-Blk Fissil No Odor No Flour No Stn NS

Sh Blk Carb Fissil Carb Grad Gry-Char Ls Wht-Crm-Gry
Fxln Grad Fxln Micrite Chalky No Odor No Flour No Stn
NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Chalky Sh Char
Gry-Blk Carb Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Cht Drk Gry Op Vit
Fos (Spic) Tr Sh Char Gry Fissil No Odor No Flour No
Stn NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Cht Lt Gry Op Vit
Chalky Sh Char Gry Abd Fissil No Odor No Flour No Stn
NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Cht Lt Gry Op Vit
Chalky Sh Char Gry Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Cht Lt Gry Op Vit
Chalky Sh Char Gry Dec Fissil No Odor No Flour No Stn
NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Cht Lt Gry Op Vit
Chalky Sh Char Gry Abd Fissil No Odor No Flour No Stn
NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Cht Lt Gry Op Vit
Chalky Tr Sh Gry Fissil No Odor No Flour No Stn NS

Sh Char Gry Tr Blu-Gm Abd Fissil Ls AA Tr Chalky No
Odor No Flour No Stn NS

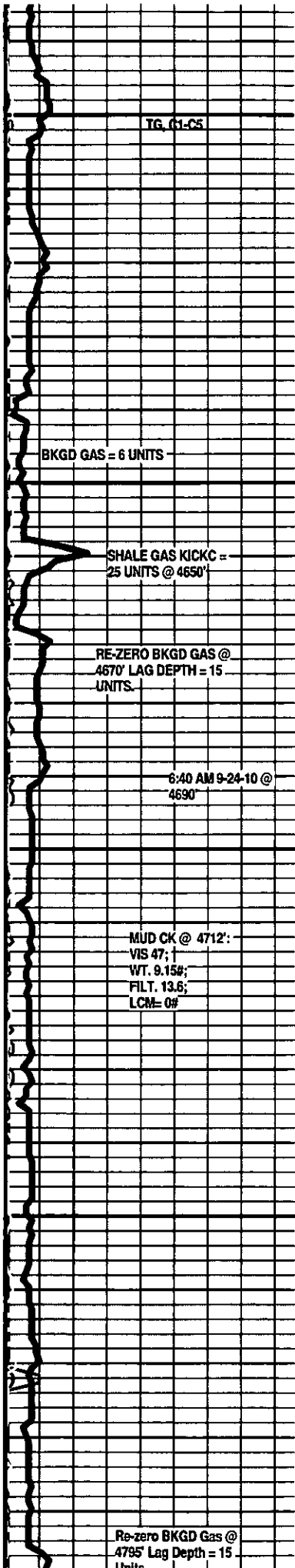
Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Grad Few Pcs
Poor OOM Por Poor Dis Poor Develop Fos (Bryoz) Chalky
Sh Gry Fissil No Odor No Flour No Stn NS

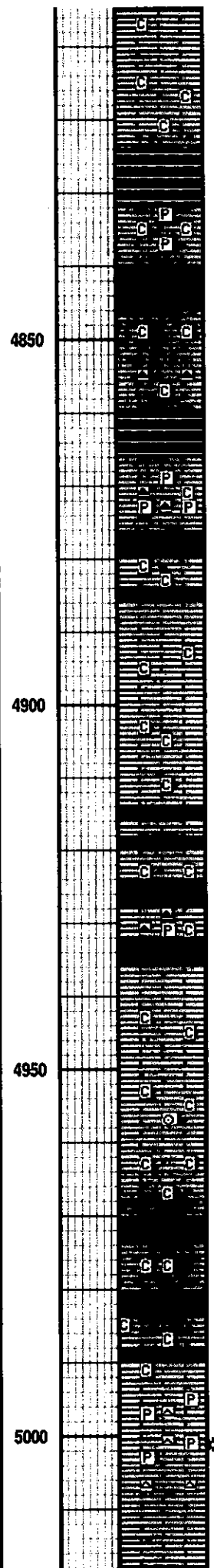
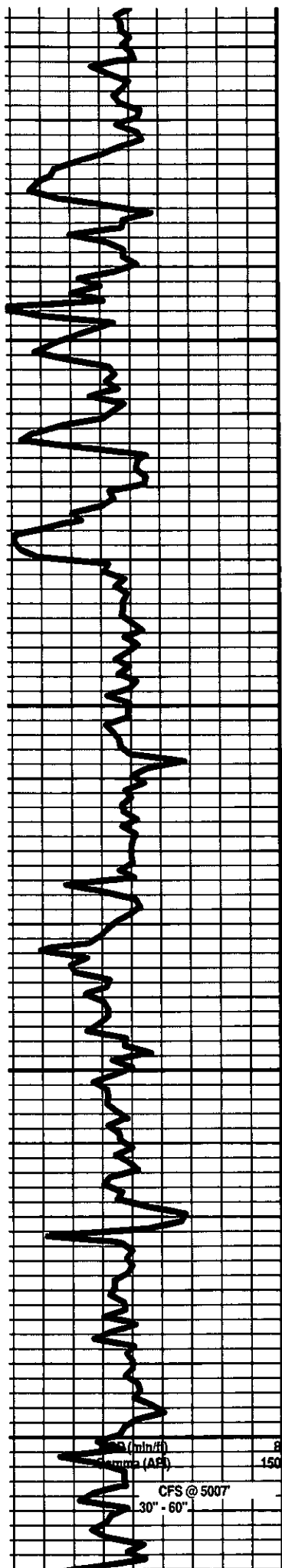
Sh Char Gry Abd Fissil Ls AA Tr OOM Por AA Tr Chalky
No Odor No Flour No Stn NS

Sh Char Gry Tr Blu-Gm Abd Fissil Ls AA Tr OOM Por
Grad Fxln Poor bxn Por Tr Chalky No Odor No Flour No
Stn NS

Ls Wht-Crm-Gry Fxln Grad Fxln Micrite Tr Fxln Poor bxn
Por Chalky Sh Gry Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Brn Fxln Grad Fxln Micrite Tr Fxln Poor bxn
Por Fos (Bry) Chalky Sh Gry Fissil No Odor No Flour No
Stn NS





For Chalky Sh Char Gry Fissil No Odor No Flour No Stn NS

Ls Wht-Crm-Bm Fxln Grad Fxln Micrite Tr Fxln Poor bdn Por Chalky Sh Char Gry Fissil No Odor No Flour No Stn NS

STARK SHALE 4824' (-2613')

Sh Blk Carb Fissil Carb Grad Gry-Char Ls AA Wht-Crm-Gry Fxln Grad Fxln Micrite Tr Pyr Mass Chalky No Odor No Flour No Stn NS

Sh Blk Carb AA Grad Char Gry Abd Fissil Ls AA Tr OOM Por AA Poor Dis Poor Develop Tr Chalky No Odor No Flour No Stn NS

Sh Blk Carb AA Grad Char Gry Abd Fissil Ls Fxln Poor lxn Por Cht Gry Op Shp Vit Tr Chalky No Odor No Flour No Stn NS

HUSHPUCKNEY 4860' (-2649)

Sh Blk Carb AA Grad Char Gry Abd Fissil Ls Fxln Poor lxn Por Cht Gry Op Shp Vit w/Tr Pyr Includ Abd Chalk No Odor No Flour No Stn NS

Ls Wht-Crm Fxln Grad Fxln Micrite Tr Fxln Poor bdn Por Chalky Sh Char Gry Blk Dec Fissil No Odor No Flour No Stn NS

Ls Wht-Crm Fxln Grad Fxln Micrite Tr Fxln Poor lxn Por Chalky Sh Char Gry Blk Dec Fissil No Odor No Flour No Stn NS

Ls Wht-Crm Fxln Grad Fxln Micrite Tr Fxln Poor bdn Por Chalky Sh Char Gry Blk Dec Fissil No Odor No Flour No Stn NS

BASE KANSAS CITY 4924' (-2713)

Sh Char Gry AA Fissil Ls Fxln Poor bdn Por Cht Gry Op Shp Vit Tr Pyr Includ Abd Chalk No Odor No Flour No Stn NS

MARMATON 4937' (-2726)

Ls Wht-Crm-Bm Fxln Dns Micrite No Vis Por Chalky Sh Char Gry Red Fissil No Odor No Stn no Flour Ns

Ls Wht-Crm-Bm Fxln Dns Micrite No Vis Por Fos (Cry) Chalky Sh Char Gry Red Fissil No Odor No Stn No Flour Ns

Ls Wht-Crm-Bm Fxln Dns Micrite No Vis Por Chalky Sh Char Gry Red Fissil No Odor No Stn No Flour Ns

LOWER MARMATON 4974'(-2763)

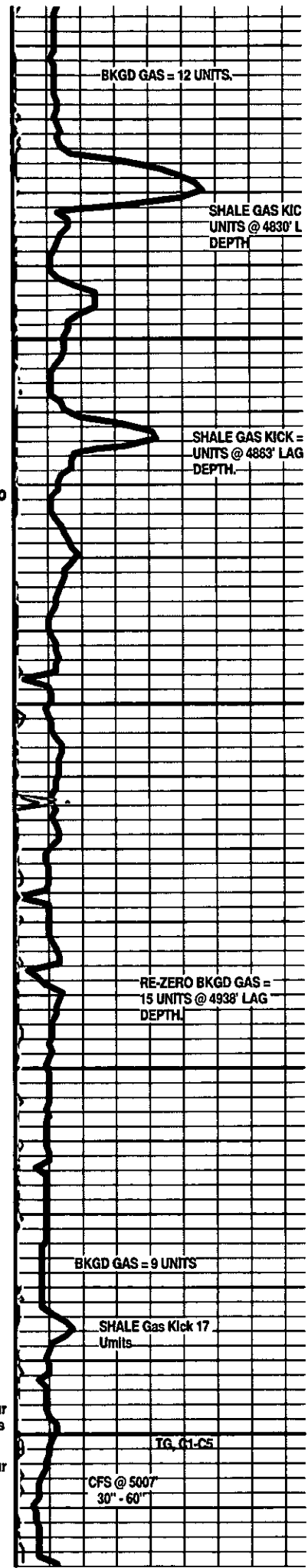
Ls Wht-Crm-Bm Fxln Dns Micrite No Vis Por Chalky Sh Char Gry Red Fissil No Odor No Stn no Flour Ns

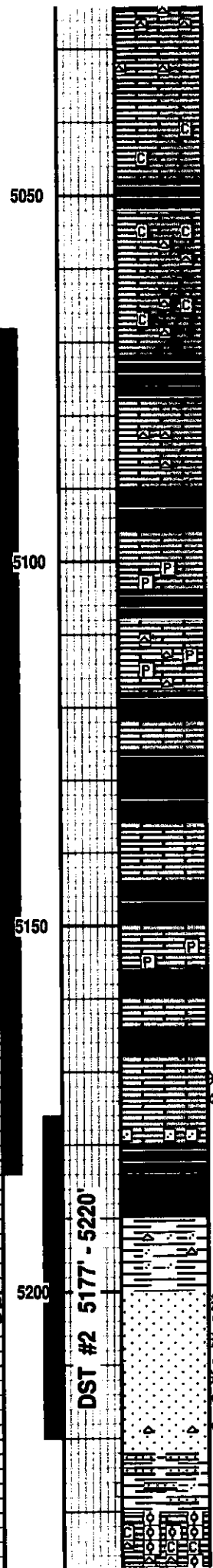
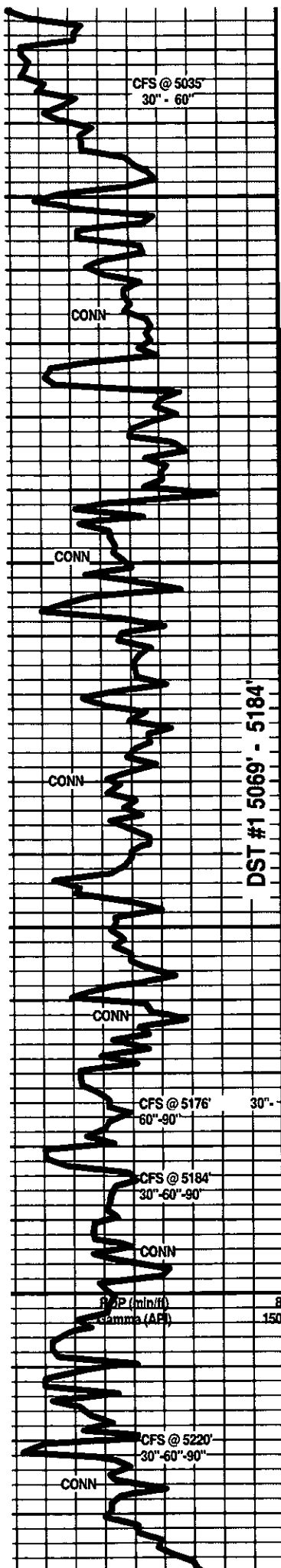
Ls Wht-Crm-Bm Fxln Dns Micrite No Vis Por Chalky Sh Char Gry w/Pyr Includ Tr/ Red Fissil No Odor No Stn no Flour Ns

30" CFS Ls Wht Fxln Poor bdn Por ? Frac Per Soft w/ Good Lt Grm Flour Sll Odor SSG w/Broken NSO Cht Wht Op Shp Vit Sh AA w/ Tr Pyr Includ VSSG

60" CFS Ls Wht Fxln Poor bdn Por ? Frac Per Soft w/ Good Lt Grm Flour Sll Odor SSG w/Broken NSO Cht Wht Op Shp Vit Sh AA VSSG

Ls AA Sh AA Much Debrts Poor Sample No Odor No Stn No Flour NS





30' CFS Ls Wht Fxn Poor bdn Por Tr Li Grm Flour (few PCS) Cht Wht Op Shp Vit Sh Gry Fissil Abd No Odor No Stn NS

60' CFS Ls Wht Fxn Poor bdn Por Tr Li Grm Flour Cht Wht Op Shp Vit Sh AA Gry Fissil No Odor No Stn NS

Ls Wht-Crm-Brn Fxn Dns Grad Fxn w. Fair bdn Por Tr Leaching Por Cht Crm Op Shp Vit Chalky Sh Blk Carb Char Gry Fissil No Odor No Stn No Flour NS

Ls Wht-Crm-Brn Fxn Dns Grad Fxn w. Fair bdn Por Tr Leaching Por Cht Crm Op Shp Vit Chalky Sh Blk Carb Char Gry Fissil No Odor No Stn No Flour NS

Ls Wht-Crm-Brn Fxn Dns Grad Fxn w. Fair bdn Por Tr Leaching Por Cht Crm Op Shp Vit Chalky Sh Blk Carb Dec Char Gry Fissil No Odor No Stn no Flour NS

CHEROKEE SHALE 5072' (-2861)

Ls Wht-Crm-Brn Fxn Dns Grad Fxn w/ Fair bdn Por Tr Leaching Por Cht Crm Op Shp Vit Chalky Sh Blk Carb Char Gry Inc Fissil No Odor No Stn No Flour NS

Sh Blk Carb Char Gry Blu w/ Pyr Inclus Ls Crm Brn Fxn Micrite Grad Poor Pin Pt Por w/ Poor IXLN Por Chr Brn Op Shp Vit No Odor No Stn No Flour NS

Sh Blk Carb Char Gry Blu w/ Pyr Inclus Ls Crm Brn Fxn Micrite Grad Poor Pin Pt Por w/ Poor IXLN Por No Odor No Stn No flour NS

Ls Wht Crm Fxn Micrite Grad Poor Pin Pt Por w/ Poor IXLN Por Cht Gry Op Shp Vit Sh Char Gry Blu w/ Pyr Inclus Blk Carb No Odor No Stn No Flour NS

Ls Crm Brn Fxn Micrite Grad Poor Pin Pt Por w/ Poor IXLN Por Sh Char Gry Blk Carb Red No Odor No Stn No Flour NS

Ls Wht Crm Brn Fxn Micrite Grad Poor Pn Pt Por w/ Poor IXLN Por Sh Char Gry Blk Carb Red No Odor No Stn No Flour NS

Ls Wht Crm Fxn Micrite Grad Poor Pin Pt Por w/ Poor IXLN Por Sh Char Gry Blk Carb No Odor No Stn No Flour NS

Ls Crm-Tan Fxn Micrite Grad Sh Char Gry Blk AA Blu-Aqua w/ Pyr Inclus No Odor No Stn No Flour NS

30' CFS Ls Crm-Tan Fxn Micrite Grad Sh Char Gry Blk Carb Tr Blu-Aqua AA No Odor No Stn No Flour NS

INOLA 5168' (-2957)

60' CFS Ls Wht Crm Fxn Micrite Grad Fxn Sh Char Gry Blk Carb Tr Blu-Aqua AA No Odor No Stn No Flour NS

90' CFS Ls Wht Crm Fxm-Mdxn V Pin-Pt Por w/ Sil GS/So Lt Brn (will Flour) ? Frac Por Grad Mostly Micrite V Sil Odor Sil tr Lt Flour Scatt on Edges Few PCS V Sil SO/SG

MORROW SHALE 5180' (-2969)

60' & 90' CFS Sh Gry-Blu Grm Fissil Ls AA No Odor No Stn No Flour NS

Sh Varcolored Gry-Char-Olive-Purp-Blk Fissil Cht Wht Op Shp Vit Tr LS AA w/2 Pcs Qtz Ss Lg Grm Clear-Wht Matrix Inclus Sh In No Odor No Stn No Flour NS

MORROW SAND 5200' (-2989)

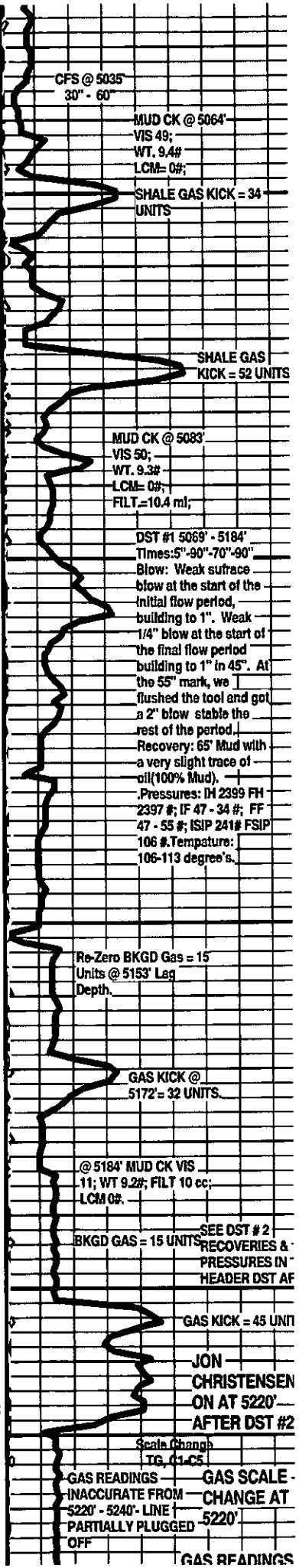
Qtz Ss Wht Mgm Good Sort Angular Grains CaCo3 Matrix Ljght Cmt Good Igran Por Frtable w/ Good SG w/ Tr SO (lt Brn) Good Flour Stn Good Odor GSG Sil SO

30' CFS Qtz Ss Wht M-Fgm Good Sort Angular Grains Friable CaCo3 Matrix Lt Cmt Good Igran Per w/ Good SG w/ Tr SO (lt Brn) Good Flour Stn Strong Odor GSG Sil SO

60' CFS Qtz Ss Wht Lg-Mgm Good Sort Angular Grains CaCo3 Matrix Lt Cmt V Good Igran Per w/ V Good SG w/ Good SO (lt Brn) Fair-Good SO In Tray Good Even Flour Tr Sat Stn on Edges Strong Odor GSG GSO

90' CFS Qtz Ss Wht-Brn Lg-Mgm Good Sort Angular Grains Friable CaCo3 Matrix Lt Cmt V Good Igran Per w/ V Good SG w/ Good SO (lt Brn) Good Even Flour Tr Sat Stn on Edges Fair SO In Tray Ss w/ Cht Wht Inclus Sh Varcolored AA Inc Strong Odor GSG

MISSISSIPPI 5231' (-3020)



DST #1 5069' - 5184'

DST #2 5177' - 5220'

SEE DST # 2 RECOVERIES & PRESSURES IN HEADER DST AF

GAS READINGS INACCURATE FROM 5220' - 5240' - LINE PARTIALLY PLUGGED OFF

GAS READINGS

A.V.=123.0

5250

CONN

yel fluor, weak cut, scat oolitic and wh fresh cht, no gas kick

LM; off wh, finely oolitic, hd, well cem, occ cherty w/wh cht, scat cse spar calc xtals, dull yel mln fluor only, ns.

LM; off wh, tan, lt gy, finely oolitic lp, minor chalky mtz, pyr, hd, no vis por, scat dull yel mln fluor only, occ tan to lt brn fresh cht, ns.

LM; off wh, tan, sandy lp, most foss to finely pelletal, partly oolitic, glau lp, poor interpart por, occ amber cht, hd, no fluor, no stn or odor, ns.

LM; off wh, tan, lt gy, finely pelletal to oolitic, interbdd gy fresh cht w/blk oil string on frac faces, no live oil shows, dull yel fluor, no visible gas show, questionable odor, trc blk tar/gilsonite on oolitic lmst, weak/no cut

LM; off wh, finely pelletal to foss, most dense, minor chalky mtz, trc wh cht, no fluor, no vis por, no stn or odor, ns.

CFS. at 5338': LM; off wh, tan, foss to rarely sandy, abnt off wh to lt gy occ mottled fresh cht - poss frags, lmst has poor to no vis interpart por, no fluor, no stn or odor, ns.

LM; tan to off wh, buff, rare lt brn, most dense, occ finely oolitic, occ soft chalky mtz, abnt lt gy to off wh fresh cht, rare spotty lt yel mln fluor, no stn or odor, ns.

LM; tan to lt brn, buff, most dense, micritic, trc sucrosic text - partly dolomitic, well cem, occ to very cherty, tite, ns.

DOL; tan to lt gy, sucrosic, soft lp, fair to gd interxn por, dull yel fluor, trc glau incl, minor pyr, no stn or odor, no gas kick, ns.

LM; tan to lt brn, fxn to micritic, scat foss mat and foss pellets, cherty w/gy to opaque fresh chert, some cht is speckled w/blk carb. flakes, no vis por, ns.

LM; lt brn, off wh, med to occ cse xin w/foss frags, occ cherty, most tite, no fluor, ns.

DOL; tan to buff, lt brn, sucrosic, v. soft, gd interxn por, lt to med yel mln fluor, minor amt. of glau, no stn or odor, no gas kick, ns.

LM; lt brn, tan, buff, med xin, scat foss mat and frags, poor vis interxn por, occ chalky mtz, occ cherty, no fluor, no stn odor, ns.

OIL IN MUD AFTER DST #2

Check at 5220
Vis 51
Wt. 9.1
WL 10.4
CI 7000
PH 9.5
LCM 0#

Vis 57
Wt. 9.1
LCM 1#

22 Unit Incr.

Vis 45
Wt. 9.0
LCM 3#

MudCo. Mud
Check at 5345
Vis 53
Wt. 9.0
WL 8.8
CI 8000
PH 10.0
LCM 3#

Vis 54
Wt. 9.1
LCM 3#

TG, G1-C5

Vis 50
Wt. 9.3
LCM 2#

Vis 48
Wt. 9.3+

5300

CONN

5350

CONN

CFS @ 5338'
30"-60"-90"

Scale Change
ROP (in/hr)
Gamma (API)
CONN

5400

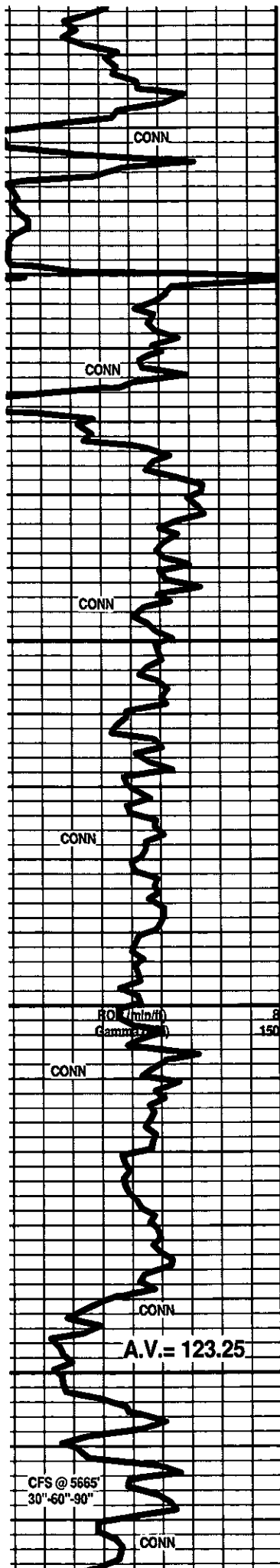
CONN

ROP (in/hr)
Gamma (API)
CONN

5450

A.V.= 123.25

CONN



5500
5550
5600
5650



LM; lt brn, gran to v. foss, abnt foss pellets and hash, partly oolitic, weakly cem, fair interpart por, scat dull yel min fluor, no stn or odor, ns.

LM; med to dk brn, foss, hd, well cem, pyr ip.

DOL; tan to lt brn, sucrosic to finely rhombic, v. gd interx'n por, cherty w/lt gy to off wh foss to spicular cht, interbdd soft chalk, occ spar calc xtals bdd w/dolo, dull yel min fluor, no stn or odor, no vis sample shows

LM; med brn to med gy brn, dolomitic, foss ip, gritty, mottled text ip, trc glau, hd, rare gy cht

DOL; tan to buff, finely rhombic to sucrosic, soft, gd interx'n por, dull yel min fluor, no stn or odor, barren, interbdd off wh cht w/occ vug por, ns.

COWLEY FACIES??? 5523(-3312)

LM; med brn, gy brn, tan, lt gy, dolomitic, abnt wh to lt gy occ foss cht, chalky mtx ip, rare gm glau/ chlorite incl, well cem, no fluor, no stn or odor, ns.

LM; tan to cream, lt brn, dolomitic, cherty w/lt gy to off wh foss cht, scat gm chlorite/glau incl most dense, no fluor, ns.

LM; tan to cream, lt brn, rare lt gy, dolomitic, scat foss mat and md carb grains, minor amt of glau /chlorite, well cem, cherty, tite

LM; lt brn, lt gy brn, dolomitic, most dense, blocky, occ foss, rare lt gy cht, no fluor, no stn or odor, ns.

DOL; most med gy, lmy, med x'n, hd, well cem, rare gy cht, gritty, some cse foss frags, tite

DOL; med gy to gy brn, lmy, scat cse foss frags, interbdd tan chalky lmst,

LM; lt gy brn, dolomitic, hd, scat cse x'n dolomitic lmst, no vis por, scat dull yel min fluor, no stn, ns.

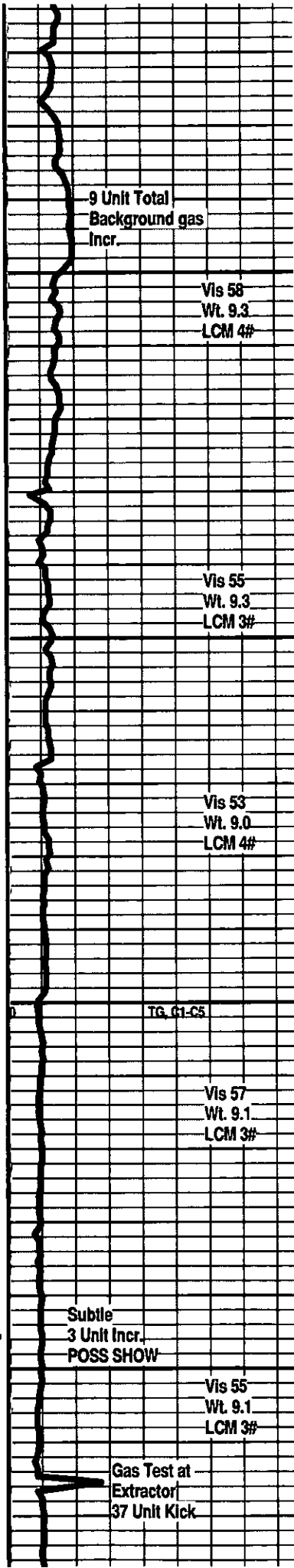
COWLEY POROSITY 5640(-3429)

DOL; lt gy to lt gy brn, sucrosic, scat fairly well dev. vug por, fair interx'n por also, interbdd lmy dolo, dull yel fluor, no vis oil stn, trace of gas bubbles, poss. sour odor(not strong), no cut, appears to be possible gas show only

LM; tan to lt gy brn, hd, occ chalky mtx, tite

CFS: 60" Sample: DOL: lt to med gy, occ gy brn, sucrosic, gd vug por w/fair interx'n por, dull yel fluor, no odor, no vis oil stn, no cut, rare cht

LM; tand to cream, lt gy brn, most cse x'n, dolomitic



9 Unit Total Background gas Incr.

Vis 58
Wt. 9.3
LCM 4#

Vis 55
Wt. 9.3
LCM 3#

Vis 53
Wt. 9.0
LCM 4#

TG, C1-C5

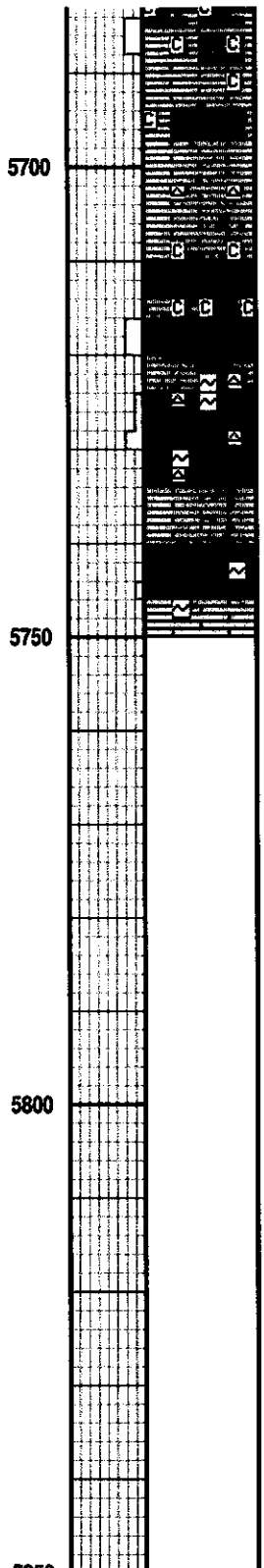
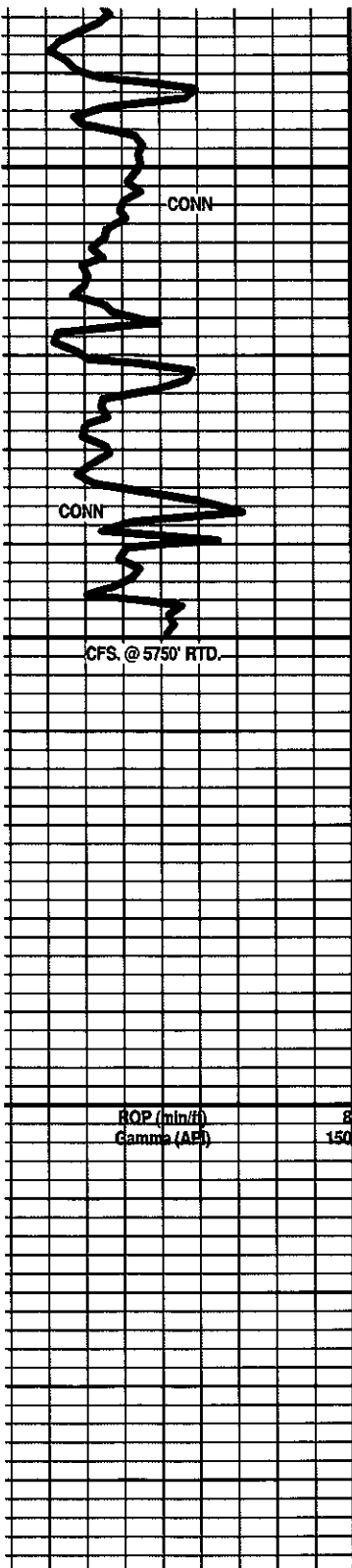
Vis 57
Wt. 9.1
LCM 3#

Subtle
3 Unit Incr.
POSS SHOW

Vis 55
Wt. 9.1
LCM 3#

Gas Test at Extractor
37 Unit Kick

CFS @ 5665'
30"-60"-90"



LM; tan to cream, lt gy, med to occ cse xln, hd, well cem, interbdd sucrosic lmy dolo w/occ vug por, dull yel fluor, no stn, no gas kick, ns.

LM; tan to off wh, cream, hd, cse foss mat, hd, trc gy speckled cht, tite

DOL; tan to lt gy, sucrosic, fair interxtn w/scat vug por, interbdd chalky soft tan cse xln lmst, dull yel mln fluor, no stn or odor, ns.

DOL; lt gy, off wh, tan, sucrosic to finely rhombic, lmy, some fair vug por, mlnor lt gy occ speckled fresh cht, glau lp, dull yel mln fluor only, ns.

DOL and LM; lt to med gy, interbdd lmst and dolo, some dk gy incl, poor to fair interxtn w/scat isolated vug por, dull yel fluor, no stn or odor, rare glau/chlorite, ns.

RTD. 5750' at 12:00 PM. 9/29/2010

LTD.

LOG TECH, INC.: DIL, DUAL POROSITY, SONIC, MICROLOG

