

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM03677

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
STEBBINS 19 FED COM 124H9. API Well No.
30-015-4417210. Field and Pool or Exploratory Area
WC-015-G-04 S202920D; BS

11. County or Parish, State

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MATADOR PRODUCTION COMPANY

Contact: TAMMY R LINK

Email: tlink@matadorresources.com

3a. Address

5400 LBJ FREEWAY, SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)

Ph: 575-627-2465

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T20S R29E Mer NMP SESE 180FSL 110FEL

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM Bond No. NMB001079
Surety Bond No. RLB0015172

Completion Sundry:

12/27/2018 Rig Release 06:00.

2/16/2018 MIRU and test to 9,500 psi for 30 min's; good test.

2/19/2018 Finish pressure test and begin Stage 1 through 20 on 2/26/2018. Perfs 8,261'-12,332'.
Total 10,080,000 lbs proppant total sand, 154,619 bbls fluid.GC 6-4-18
Accepted for record - NMOCD

RECEIVED

MAY 31 2018

DISTRICT II-AR

L. S. in AFMSS

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #413354 verified by the BLM Well Information System For MATADOR PRODUCTION COMPANY, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 05/24/2018 ()	
Name (Printed/Typed) TAMMY R LINK	Title PRODUCTION ANALYST
Signature (Electronic Submission)	Date 05/03/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

MAY 21 2018

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

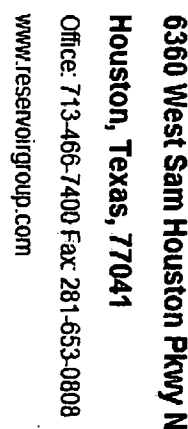
Additional data for EC transaction #413354 that would not fit on the form

32. Additional remarks, continued

3/4/2018 Open well to flowback 23:30 hrs on a 42/64" positive choke. SICP=950 psi. Flowing well to Oil tank.

3/10/2018 Well turned over to production.

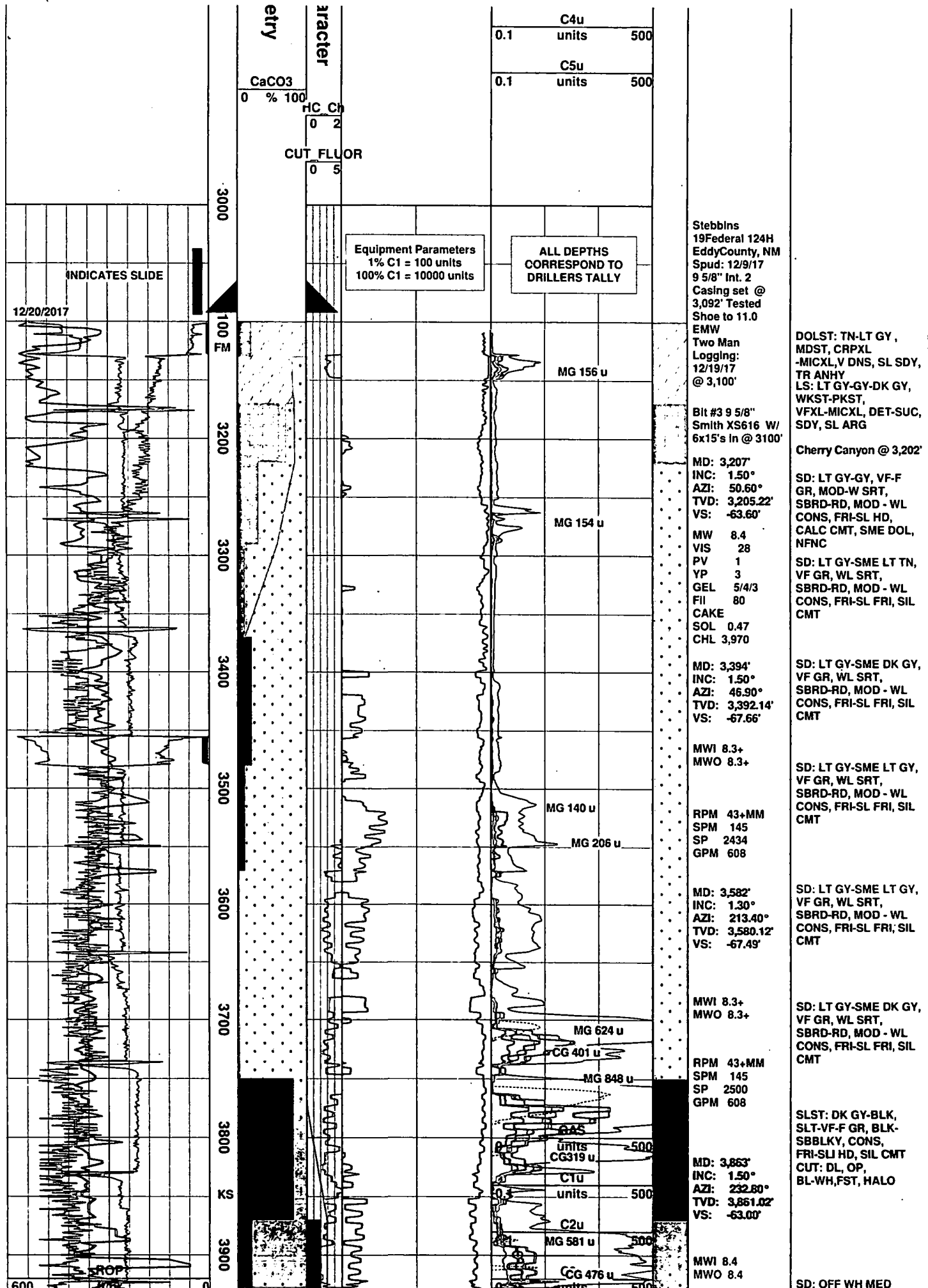
See Attached Logs.

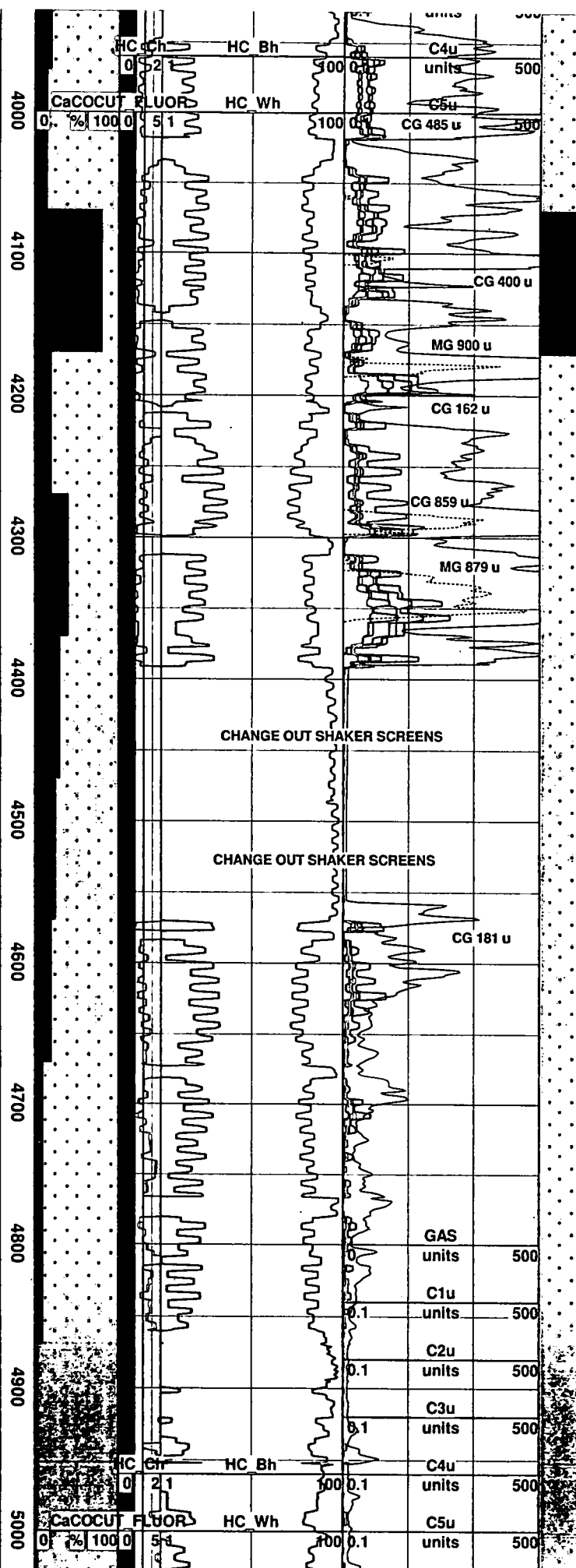
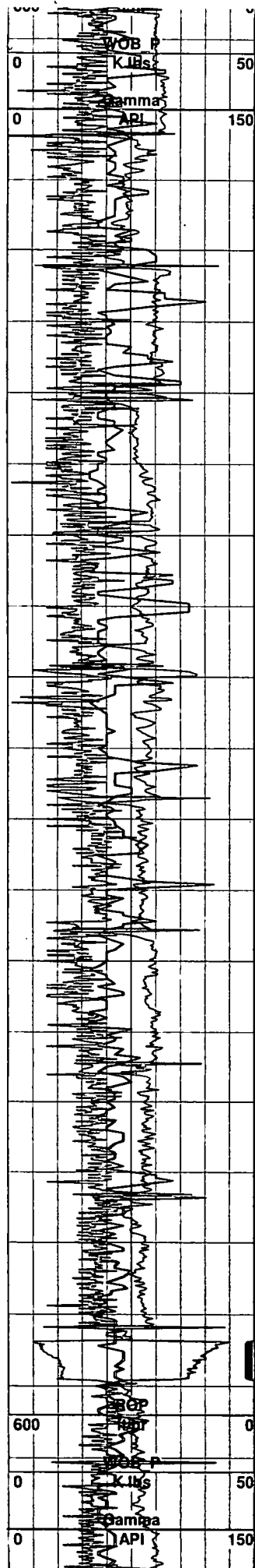


ING ONI NUMBER: 0176

Sand		Marl	
Shale Green		Dolomite	
Shale Grey		Siltstone	
Ash		Cement	
Anhydrite		Coal	
stone (Sandy)		Limestone	

ROP WOB			Depth	% Lithology	Calcm	Show Values	Fluor Ch	Gas Ratio	Total Gas			Interpretive Lithology	Remarks	Descriptions
	ROP								0	GAS	500			
600	ft/hr	0					1	100		C1u	500			
	WOB_P							HC_Wh	0.1	units	500			
0	K lbs	50					1	100		C2u	500			
	Gamma								0.1	units	500			
0	API	150								C3u	500			
									0.1	units	500			





RPM 50+MM	MD: 4,050'
SPM 145	INC: 1.30°
SP 2650	AZI: 256.90°
GPM 608	TVD: 4,047.97'
	VS: -59.08'
	MWI 8.4
	MWO 8.4
RPM 50+MM	MD: 4,236'
SPM 145	INC: 1.50°
SP 2450	AZI: 286.60°
GPM 608	TVD: 4,233.91'
	VS: -54.46'
	MWI 8.4
	MWO 8.4
RPM 50+MM	MD: 4,423'
SPM 145	INC: 2.20°
SP 2800	AZI: 298.10°
GPM 608	TVD: 4,420.82'
	VS: -49.33'
	MWI 8.4
	MWO 8.4
RPM 50+MM	MD: 4,611'
SPM 145	INC: 2.40°
SP 2790	AZI: 306.40°
GPM 608	TVD: 4,608.67'
	VS: -42.89'
	MWI 8.5+
	MWO 8.5+
RPM 50+MM	MD: 4,892'
SPM 145	INC: 1.40°
SP 2830	AZI: 337.00°
GPM 608	TVD: 4,889.39'
	VS: -33.39'
	MWI 8.5+
	MWO 8.5+
RPM 50+MM	MD: 4,892'
SPM 145	INC: 1.40°
SP 2900	AZI: 337.00°
GPM 608	TVD: 4,889.39'
	VS: -33.39'
	MWI 8.5+
	MWO 8.5+

GY-DK GY, VF GR, WL SRT, SBRD -RD, MOD CONS, FRI, SIL CMT, SL ARG CUT: DL, OP, BL,SLW-FST, HALO, RESDL

SLST: DK GY-BLK, SLT-VF-F GR, BLK-SBBLKY, CONS, FRI-SLI HD, SIL CMT CUT: DL, OP, BL-WH,FST, HALO

Brushy Canyon @ 4,163'

SD: GY-DK GY IP, VF GR, WL SRT, SBRD -RD, MOD CONS, FRI, SIL CMT, SL ARG CUT: WK-DL, OP, BL,SLW, HALO, RESDL

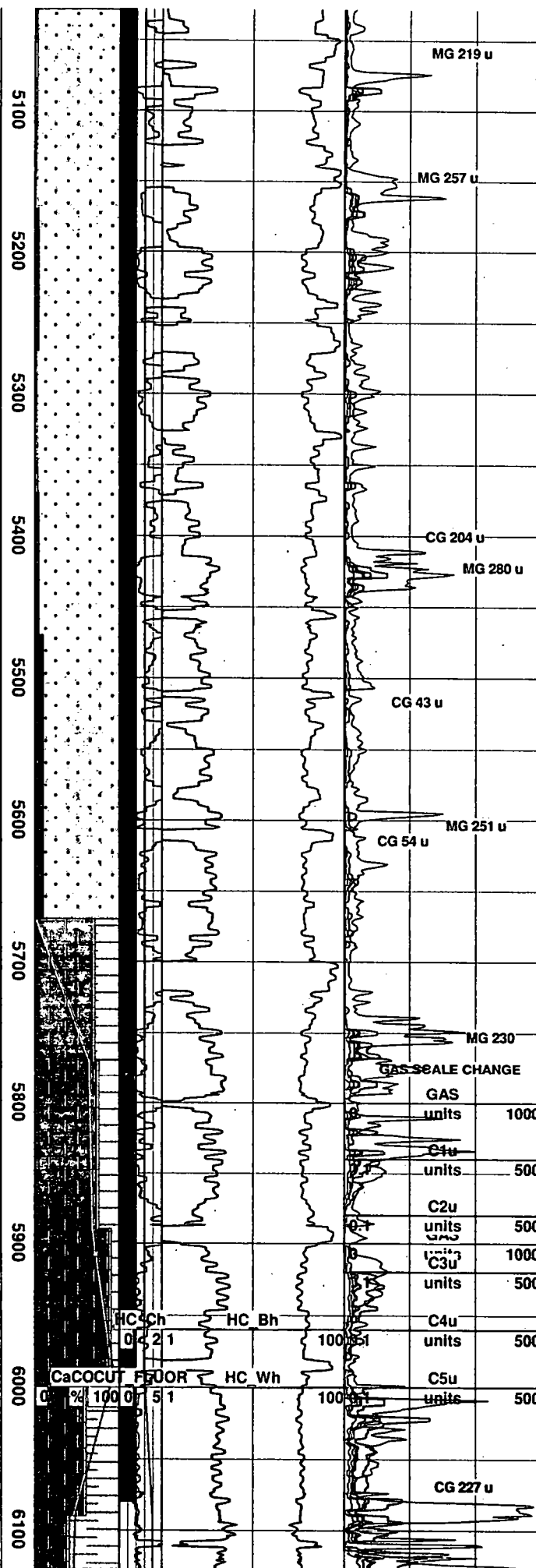
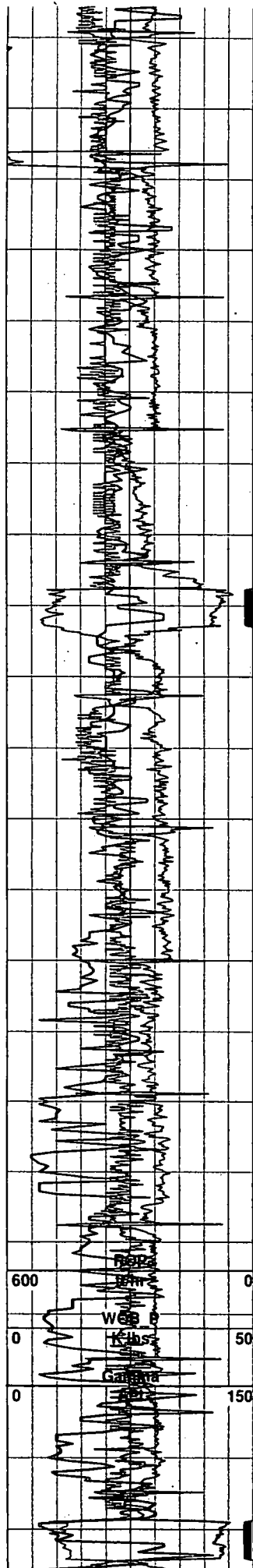
SD: OFF WH MED GY-DK GY, VF GR, WL SRT, SBRD -RD, MOD CONS, FRI, SIL CMT, SL ARG CUT: WK-DL, OP, BL,SLW, HALO, RESDL

SD: GY-DK GY IP, VF GR, WL SRT, SBRD -RD, MOD CONS, FRI, SIL CMT, SL ARG CUT: WK-DL, CLR, BL,SLW, HALO, RESDL

SD: GY-DK GY IP, VF GR, WL SRT, SBRD -RD, MOD CONS, FRI, SIL CMT, SL ARG CUT: WK-DL, CLR, BL,SLW, HALO, RESDL

SD: GY-DK GY IP, VF GR, WL SRT, SBRD -RD, MOD CONS, FRI, SIL CMT, SL ARG CUT: WK-DL, CLR, BL,SLW, HALO, RESDL

SD: GY-DK GY IP, VF GR, WL SRT, SBRD -RD, MOD CONS, FRI, SIL CMT, SL ARG CUT: WK-DL, CLR, BL,SLW, HALO, RESDL



GPM	608
MD:	5,079'
INC:	1.30°
AZI:	7.60°
TVD:	5,076.34'
VS:	-34.02'
MWI	8.5+
MWO	8.5+
RPM	50+MM
SPM	145
SP	2850
GPM	608
MD:	5,266'
INC:	1.20°
AZI:	345.00°
TVD:	5,263.29'
VS:	-33.50'
MWI	8.5+
MWO	8.5+
RPM	50+MM
SPM	145
SP	2860
GPM	608
MD:	5,453'
INC:	1.00°
AZI:	31.80°
TVD:	5,450.26'
VS:	-32.73'
MW	8.4
VIS	28
PV	1
YP	3
GEL	5/4/3
FIL	80
CAKE	
SOL	0.48
CHL	2,948
MD:	5,641'
INC:	.60°
AZI:	84.50°
TVD:	5,638.22'
VS:	-36.04'
MWI	8.5
MWO	8.5
RPM	50+MM
SPM	145
SP	2670
GPM	608
MD:	5,829'
INC:	.40°
AZI:	167.10°
TVD:	5,826.21'
VS:	-37.31'
MWI	8.5
MWO	8.5
RPM	50+MM
SPM	145
SP	2900
GPM	608
MD:	6,016'
INC:	.90°
AZI:	258.30°
TVD:	6,013.20'
VS:	-35.93'
MWI	8.5+
MWO	8.5+
RPM	50+MM
SPM	145

HALO, RESDL

SD: OFF WH MED
GY-DK GY, VF GR, WL
SRT, SBRD -RD, MOD
CONS, FRI, SIL CMT,
SL ARG, TR SILST,
CUT: WK-DL, OP,
BL,SLW, HALO, RESDL

SD: GY-DK GY IP, VF
GR, WL SRT, SBRD
-RD, MOD CONS, FRI,
SIL CMT, SL ARG CUT:
WK-DL, CLR, BL,SLW,
HALO, RESDL

SD: OFF WH MED
GY-DK GY, VF GR, WL
SRT, SBRD -RD, MOD
CONS, FRI, SIL CMT,
SL ARG, CUT: WK-DL,
OP, BL,SLW, HALO,
RESDL

SD: OFF WH MED
GY-DK GY, VF GR, WL
SRT, SBRD -RD, MOD
CONS, FRI, SIL CMT,
SL ARG, CUT: WK-DL,
OP, BL,SLW, HALO,
RESDL

SD: OFF WH MED
GY-DK GY, VF GR, WL
SRT, SBRD -RD, MOD
CONS, FRI, SIL CMT,
SL ARG, CUT: WK-DL,
OP, BL,SLW, HALO,
RESDL

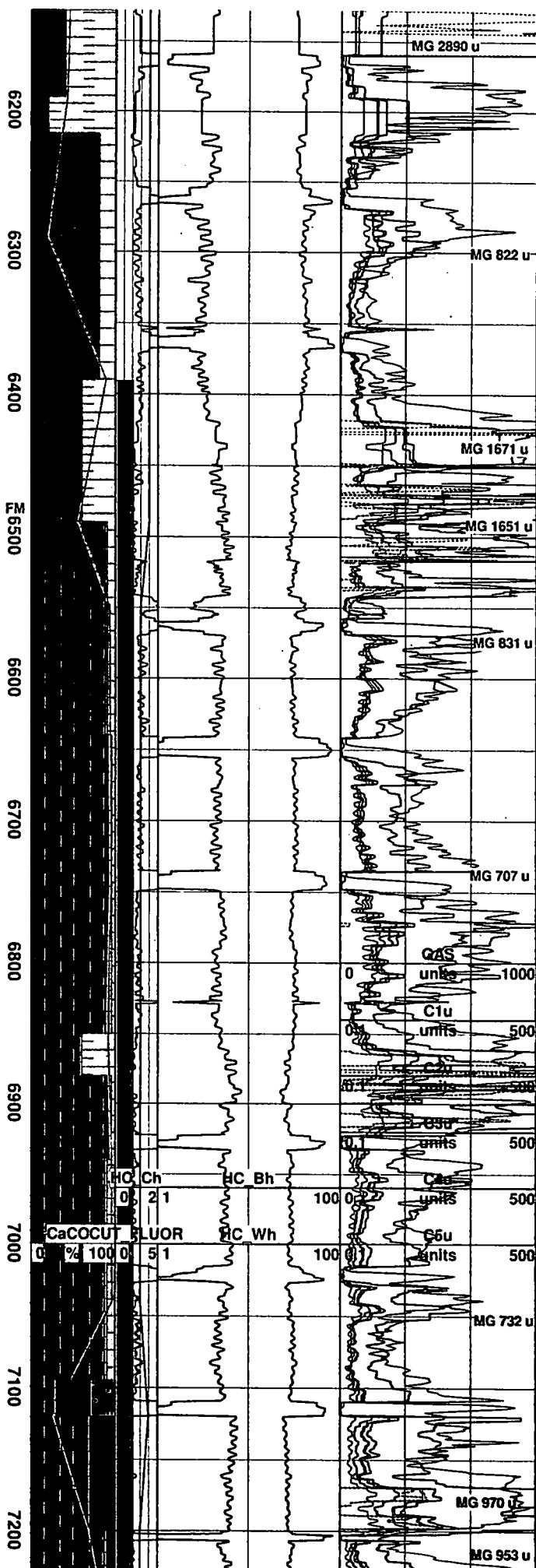
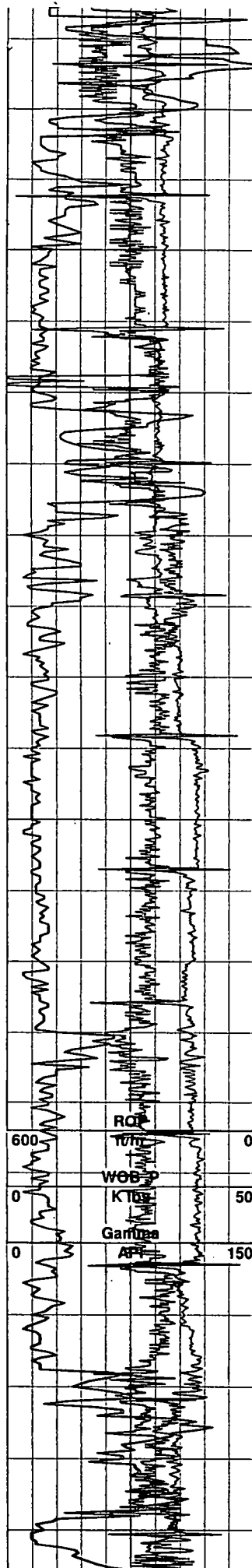
LS: BLK-DK GY- TR
CRM, MDST- WKST,
VFXL- FXL, DNS-
MASS, ARG, CARB,
SLTY, CUT: BRI,
BL/WH, CLDY, FST,
DIFSE, W/DL YEL
RESDL RING
Bone Spring Lime @
5,776'

LS: BLK-DK GY- TR
CRM, MDST- WKST,
VFXL- FXL, DNS-
MASS, ARG, CARB,
SLTY, CUT: BRI,
BL/WH, CLDY, FST,
DIFSE, W/DL YEL
RESDL RING

LS: BLK-DK GY- TR
CRM, MDST- WKST,
VFXL- FXL, DNS-
MASS, ARG, CARB,
SLTY, CUT: BRI,
BL/WH, CLDY, FST,
DIFSE, W/DL YEL
RESDL RING

U. Avalon Shale @
6,076'

SH: DK GY-MED GY-
TR BLK, FRM-SLI HD-
HD, BLKY- SB BLKY-



SP	2850
GPM	608
MD:	6,202'
INC:	1.60°
AZI:	65.00°
TVD:	6,199.17'
VS:	-37.39'
MWI	8.5+
MWO	8.5+
RPM	50+MM
SPM	145
SP	2430
GPM	608
MD:	6,390'
INC:	1.10°
AZI:	72.70°
TVD:	6,387.13'
VS:	-40.99'
MWI	8.5
MWO	8.5
RPM	52+MM
SPM	142
SP	2534
GPM	612
MD:	6,576'
INC:	1.20°
AZI:	27.20°
TVD:	6,573.10'
VS:	-43.18'
MWI	8.4+
MWO	8.4+
RPM	52+MM
SPM	146
SP	2639
GPM	613
MD:	6,764'
INC:	1.20°
AZI:	2.30°
TVD:	6,761.06'
VS:	-43.76'
MWI	8.4+
MWO	8.4+
RPM	52+MM
SPM	146
SP	2738
GPM	612
MD:	6,950'
INC:	0.80°
AZI:	44.40°
TVD:	6,947.04'
VS:	-44.85'
MWI	8.4+
MWO	8.4+
RPM	53+MM
SPM	146
SP	3056
GPM	612
MW	8.55
VIS	28
PV	1
YP	3
GEL	5/4/3
FIL	80
CAKE	
SOL	1.44
CHL	21970

PLTY, SLTY, CALC, CARB, CUT: BRI, BL/WH CLDY, FST, FLASH, W/ MED YEL RESDL

Avalon Carbonate @ 6,216'

SH: DK GY-MED GY-TR BLK, FRM-SLI HD-HD, BLKY-SB BLKY-PLTY, SLTY, CALC, CARB, CUT: BRI, BL/WH CLDY, FST, FLASH, W/ MED YEL RESDL

LS: DK GY- MED GY-LT GY, MDST- WKST-PKST, VFXL- FXL- MICXL, DNS- MAS, ARG, SLTY, CUT: DL, MKY, BL, SLW, HALO, W/ DL YEL

L. Avalon Shale @ 6,415'

SH: DK GY-BRNSH BLK, SL HD-HD, BLKY-SBBLKY, CARB, V SLTY, CALC CUT: DL-BRI, MKY BL-WH, FST, BLMG, THK ORG RES HALO

First Bone Spring Carbonate @ 6,494'

LS: DK GY- GY- TR CRM, MDST- WKST-PKST, VFXL- FXL, ARG, DOL, CUT: BRI, BL WH, MKY, MOD, DIFSE, YEL RESDL RING

LS: DK GY- GY- TR CRM, MDST- WKST-PKST, VFXL- FXL, ARG, DOL, CUT: BRI, BL WH, MKY, MOD, DIFSE, MOD YEL RESDL RING

LS: DK GY- GY- TR CRM, MDST- WKST-PKST, VFXL- FXL, ARG, DOL, CUT: BRI, BL WH, MKY, MOD, DIFSE, MOD YEL RESDL RING

SH: DK GY- BLK, SL HD-HD, BLKY-SBBLKY, CARB, V SLTY, CALC CUT: DL, MKY BL, MOD, BLMG, DUL YEL RESDL RING

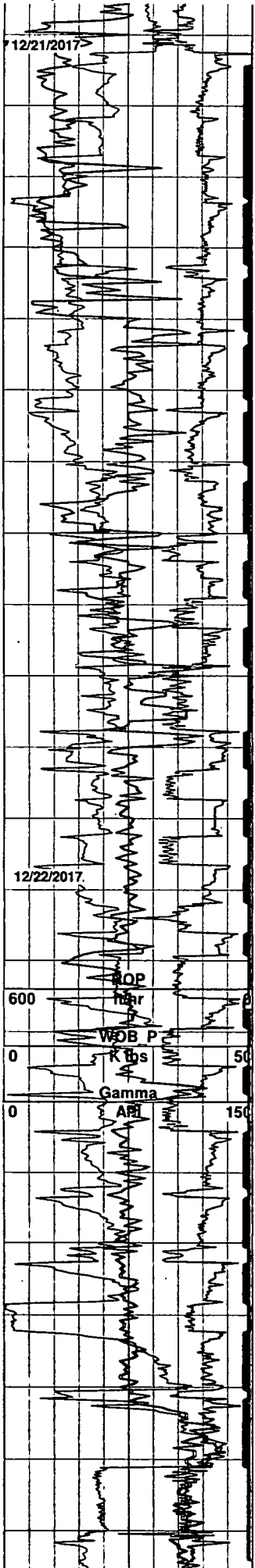
LS: DK GY-LT GY-GRM, MDST- WKST-PKST, VFXL- FXL, MASS- DNS, AREN, SLTY, CUT: BRI, CLDY, MOD, STMG, DUL YEL RESDL RING

LS: LT GY- GY-CRM, MDST- WKST- PKST, VFXL- FXL, MASS- DNS, AREN, SLTY, CUT: BRI, CLDY, MOD, STMG, DUL YEL RESDL RING

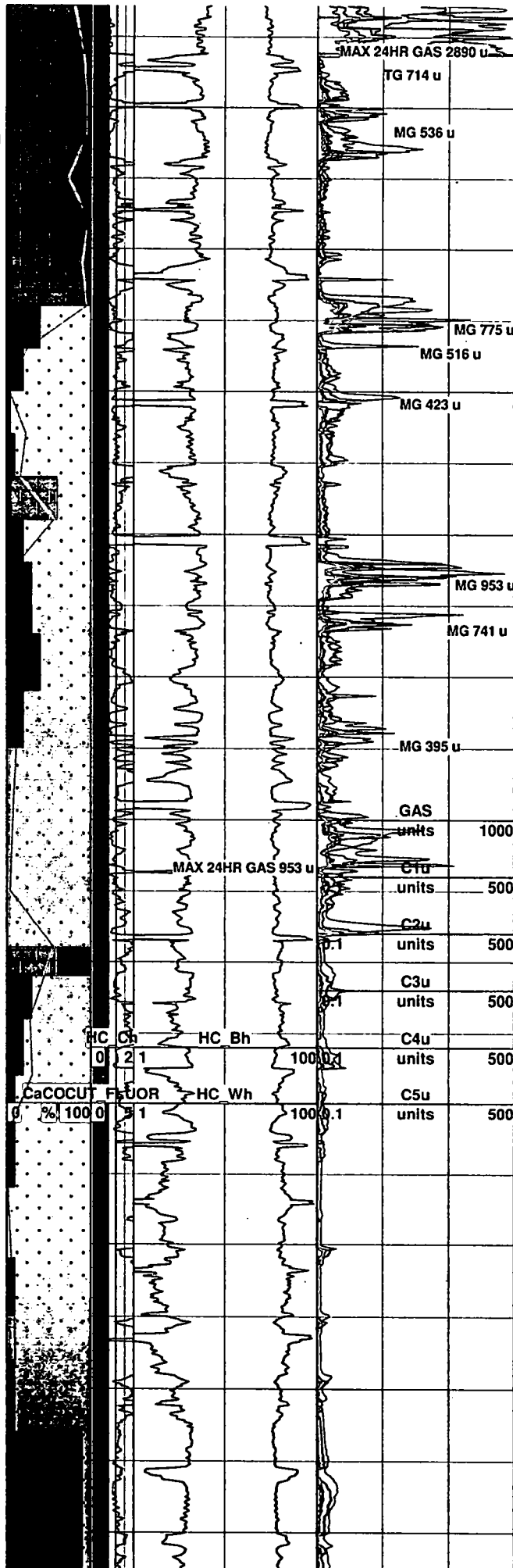
First Bone Spring Sand @ 7,095'

SLTST: BLK-DK GY, SLT VF, BLKY- FLK, CONS, FRI SD; LT GY- CLR-TR DK GY, VF GR, MOD SRT, SB RD- SB ANG, CONS, SLI FRM, CALC MTX. CUT BRI, CLDY, BL-WH, FST, STMG, YEL RESDL RING.

Second Bone Spring Carbonate @ 7,194'



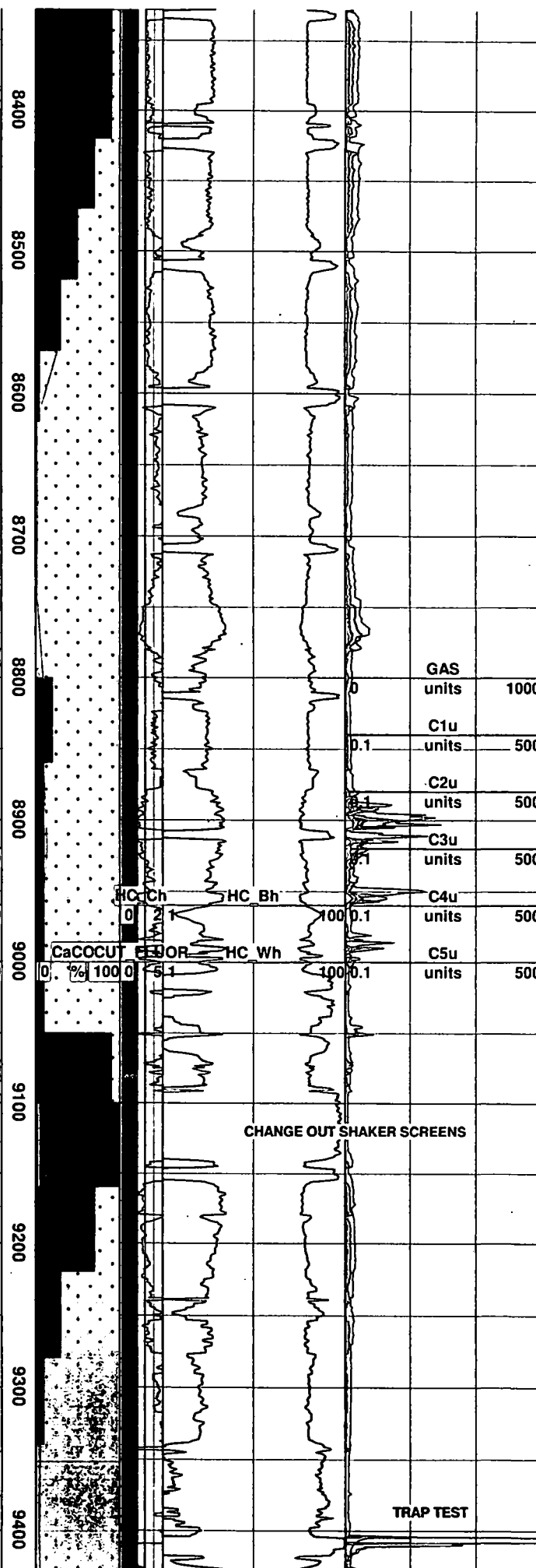
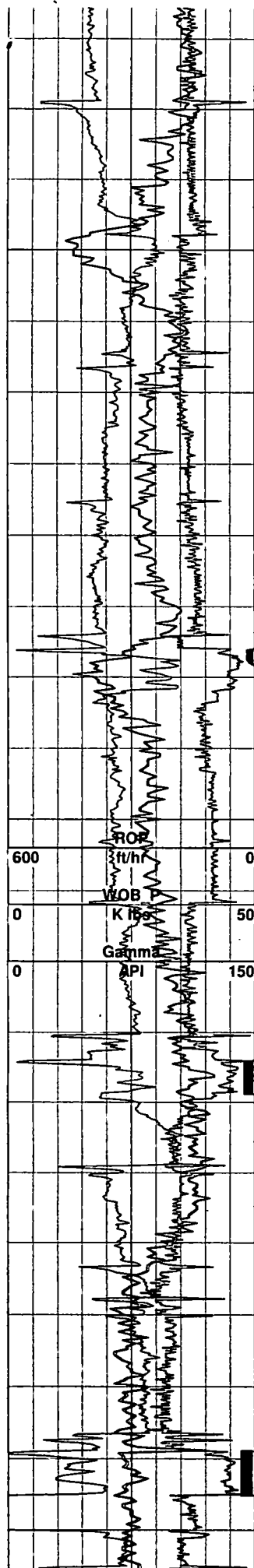
KS
7300 FM
7400
7500
7600
7700
7800
7900
8000
8100
8200
8300



MAX 24HR GAS 2890 u
TG 714 u
MG 536 u
MG 775 u
MG 516 u
MG 423 u
MG 953 u
MG 741 u
MG 395 u
GAS
units 1000
C1u
units 500
C2u
units 500
C3u
units 500
C4u
units 500
C5u
units 500
MAX 24HR GAS 953 u
HC G
HC Bh
HC Wh
CaCO3 CUT
% 100 0 1 100 0.1

KOP @ 7,262'
TOOH @ 7,262'
Bit # 3 8 3/4"
Halliburton
GTD55DM W/
5x16's In @
7,262'
MD: 7,348'
INC: 10.90°
AZI: 298.80°
TVD: 7,344.54'
VS: -39.94'
MWI 8.4
MWO 8.4
RPM 0+MM
SPM 147
SP 2398
GPM 615
MD: 7,489'
INC: 27.40°
AZI: 296.20°
TVD: 7,477.02'
VS: 1.60'
MWI 8.4+
MWO 8.4+
RPM 21+MM
SPM 147
SP 2724
GPM 617
MD: 7,676'
INC: 41.40°
AZI: 274.50°
TVD: 7,628.89'
VS: 105.87'
MWI 8.4
MWO 8.4
RPM 18+MM
SPM 147
SP 22230
GPM 616
MD: 7,863'
INC: 54.50°
AZI: 277.70°
TVD: 7,756.33'
VS: 241.56'
MWI 8.4
MWO 8.4
RPM 20+MM
SPM 147
SP 2333
GPM 617
MD: 8,051'
INC: 66.60°
AZI: 275.90°
TVD: 7,851.07'
VS: 401.78'
MWI 8.4
MWO 8.4
RPM 40+MM
SPM 147
SP 2670
GPM 617
MD: 8,238'
INC: 87.10°
AZI: 270.40°
TVD: 7,894.19'
VS: 582.44'
MWI 8.4
MWO 8.4

LS: DK GY- GY- TR
CRM, MDST-
WKST-PKST, VFXL-
FXL, ARG, DOL, CUT:
MOD, BL, MKY, MOD,
DIFSE, W/ MOD YEL/GN
RESL RING
LS: CRM - DK GRY,
MDST- WKST-PKST,
VFXL- FXL, ARG, DOL,
CUT: MOD; BL, MKY,
MOD, DIFSE, W/ MOD
YEL/GN RESL RING
SD: GY- LT GY, VF GR-
SLT, MOD SRT, SB RD-
SB ANG, CONS, SLT
MTX, FRI, TR PYR.
SLTST; BLK- DK GY,
SLT, AMOR, CONS, FRI.
BRI, CLDY, MOD, FST
CUT, YEL- ORNG RING
LS: DK GY-BLK, MDST,
MICXL-VFXL,DNS,
MRLY; CUT: WH-YEL,
MOD, STMG, YEL RESD
RING
Second Bone Spring
Sand @ 7,658'
SD: OFFWH-LT GY-GY,
SLT GR-VF GR-M GR, P
SRT, SB RD-SB ANG,
MOD CONS, SLT MTX,
FRI-SL HD
CUT: WH-YEL, MOD,
STMG, YEL RESD RING
SD: OFFWH-LT GY-GY,
SLT GR-VF GR-M GR, P
SRT, SB RD-SB ANG,
MOD CONS, SLT MTX,
FRI-SL HD CUT:
BL-WH, MOD, STMG,
RESL RING
LS: DK GY-BLK, MDST,
MICXL-VFXL,DNS,
MRLY; CUT: BL-WH,
MOD, STMG, YEL RESD
RING
SD: OFFWH-LT GY-GY ,
VF GR-M GR,MOD- W
SRT, SB RD-SB ANG,
CONS, FRI-SL HD;
CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESD RING
SD: OFFWH-LT GY- DK
GY , VF GR-M GR,MOD-
W SRT, SB RD-SB
ANG, CONS, FRI-SL
HD; CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESD RING
SLTST: BLK-DK GY,
SLT VF, BLKY- FLK,
CONS, FRI SD; LT GY-
CLR-TR DK GY,V
SILTY, VF GR, MOD
SRT, SB RD- SB ANG,
CONS, SLI FRM, CALC



RPM 40+MM	SPM 147	SP 2900	GPM 617
MD: 8,424'	INC: 90.70°	AZI: 270.70°	TVD: 7,895.81'
VS: 768.40'			
MWI 8.5+	MWO 8.5+		
RPM 40+MM	SPM 147	SP 2900	GPM 617
MD: 8,612'	INC: 91.90°	AZI: 271.40°	TVD: 7,891.55'
VS: 956.30'			
MWI 8.5+	MWO 8.5+		
RPM 40+MM	SPM 147	SP 2300	GPM 617
MD: 8,799'	INC: 90.80°	AZI: 270.30°	TVD: 7,885.42'
VS: 1,143.15'			
MWI 8.5+	MWO 8.5+		
RPM 40+MM	SPM 147	SP 2060	GPM 617
MD: 8,986'	INC: 92.60°	AZI: 269.80°	TVD: 7,881.03'
VS: 1,330.09'			
MWI 8.5+	MWO 8.5+		
RPM 40+MM	SPM 147	SP 2450	GPM 617
MD: 9,174'	INC: 91.20°	AZI: 269.90°	TVD: 7,875.78'
VS: 1,518.01'			
MWI 8.5+	MWO 8.5+		
RPM 40+MM	SPM 147	SP 2350	GPM 617
MD: 9,361'	INC: 90.90°	AZI: 269.10°	TVD: 7,869.50'
VS: 1,704.89'			
MWI 8.6+			

MTX. CUT BRI, CLDY,
BL-WH,FST, STMG,
YEL RESDL RING.

SD: OFFWH-LT GY- DK
GY, VF GR-M GR,MOD-
W SRT, SB RD-SB
ANG, CONS, FRI-SL
HD; CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESD RING

SD: OFFWH-LT GY- DK
GY, VF GR-M GR,MOD-
W SRT, SB RD-SB
ANG, CONS, FRI-SL
HD; CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESD RING

SD: OFFWH-LT GY-GY,
VF GR-M GR,MOD- W
SRT, SB RD-SB ANG,
CONS, FRI-SL HD;
CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESD RING

SD: OFFWH-LT GY- DK
GY, VF GR-M GR,MOD-
W SRT, SB RD-SB
ANG, CONS, FRI-SL
HD; CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESD RING

SD: OFFWH-LT GY- DK
GY, VF GR-M GR,MOD-
W SRT, SB RD-SB
ANG, CONS, FRI-SL
HD; CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESD RING

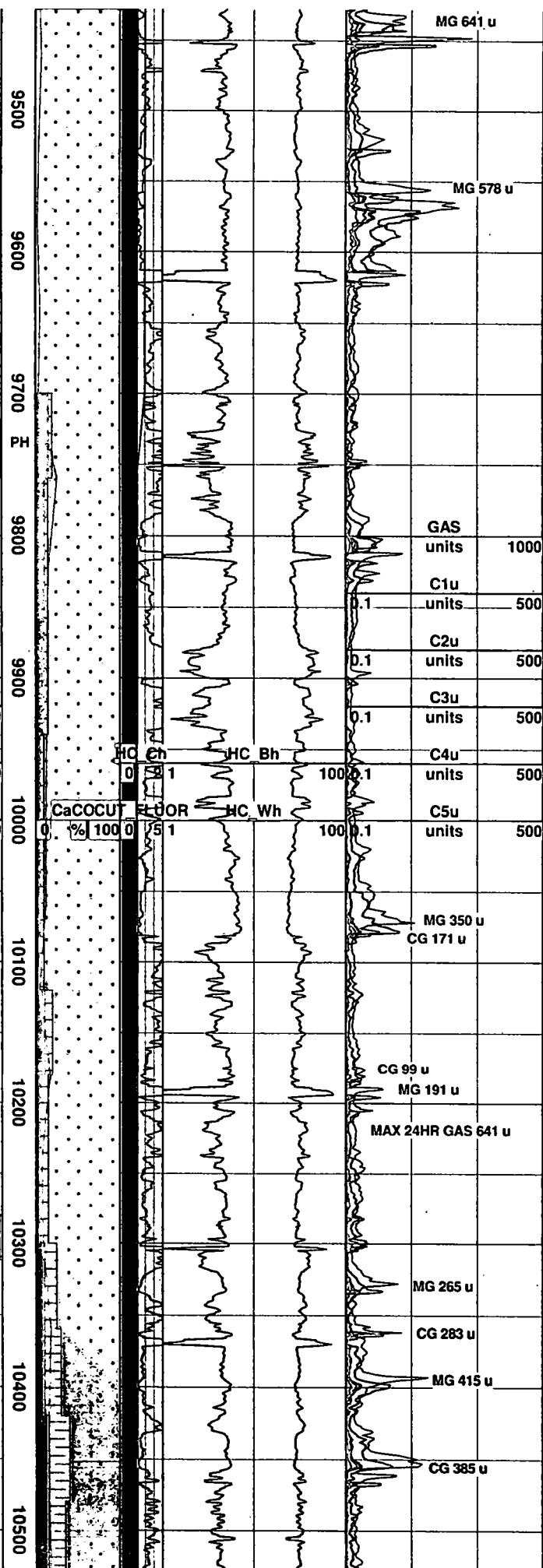
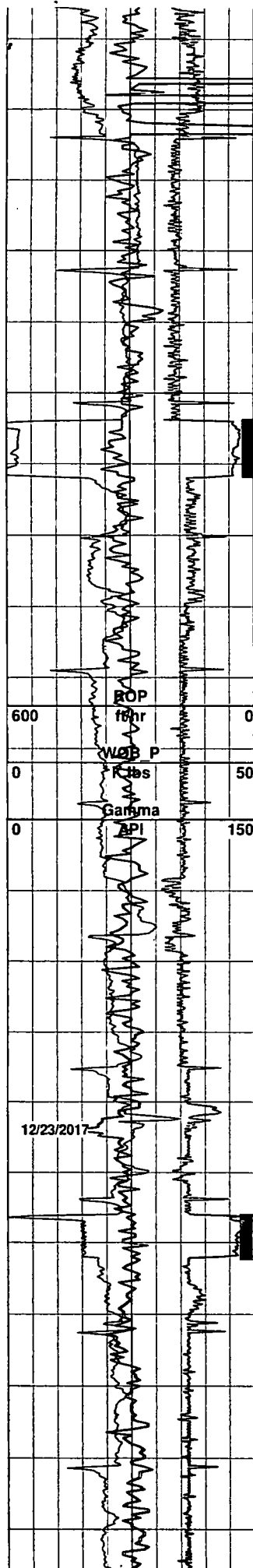
SLTST: BLK-DK GY,
SLT VF, BLKY- FLK,
CONS, FRI SD; LT GY-
CLR-TR DK GY,V
SILTY, VF GR, MOD
SRT, SB RD- SB ANG,
CONS, SLI FRM, CALC
MTX. LS: DK GY-BLK,
MDST,
MICXL-VFXL,DNS, CUT
BRI, CLDY, BL-WH,FST,
STMG, YEL RESDL
RING.

SD: OFFWH-LT GY, VF
GR-M GR,MOD- W SRT,
SB RD-SB ANG, CONS,
FRI-SL HD; CUT: DL,
BL, SLOW-MOD, DIFSE,
YEL RESD RING

SD: OFFWH-LT GY, VF
GR-M GR,MOD- W SRT,
SB RD-SB ANG, CONS,
FRI-SL HD; CUT: DL,
BL, SLOW-MOD, DIFSE,
YEL RESD RING

CHANGE OUT SHAKER SCREENS

TRAP TEST



WMO 8.6+
RPM 40+MM
SPM 147
SP 3030
GPM 617
MD: 9,548'
INC: 91.00°
AZI: 267.70°
TVD: 7,868.43'
VS: 1,891.79'
MWI 8.6
MWO 8.6
RPM 40+MM
SPM 146
SP 2920
GPM 616
MD: 9,736'
INC: 91.30°
AZI: 268.00°
TVD: 7,861.96'
VS: 2,079.55'
MWI 8.6
MWO 8.6
RPM 40+MM
SPM 146
SP 2923
GPM 616
MD: 9,924'
INC: 92.00°
AZI: 268.00°
TVD: 7,859.44'
VS: 2,360.38'
MWI 8.6
MWO 8.6
RPM 40+MM
SPM 147
SP 2998
GPM 617
MD: 10,110'
INC: 92.30°
AZI: 268.60°
TVD: 7,855.14'
VS: 2,453.22'
MWI 8.6
MWO 8.6
RPM 40+MM
SPM 146
SP 2954
GPM 617
MD: 10,297'
INC: 92.80°
AZI: 268.60°
TVD: 7,842.66'
VS: 2,639.69'
MWI 8.6
MWO 8.6
RPM 40+MM
SPM 146
SP 2979
GPM 617
MD: 10,484'
INC: 98.10°
AZI: 268.70°
TVD: 7,829.68'
VS: 2,826.12'

SD: OFFWH-LT GY, VF GR-M GR,MOD- W SRT, SB RD-SB ANG, CONS, FRI-SL HD; CUT: DL, BL, SLOW-MOD, DIFSE, YEL RESD RING

SD: OFFWH-LT GY, VF GR-M GR,MOD- W SRT, SB RD-SB ANG, CONS, FRI-SL HD; CUT: DL, BL, SLOW-MOD, DIFSE, YEL RESD RING

SD: OFF WH- LT GY, VF GR-M GR,MOD W SRT, SB RD-SB ANG, UNCONSOL SME PRLY LSLY CONSOL OCC FRI, CUT: DL, BL, SLOW, DUL YEL RESD

SD: OFF WH-LT GY, VF GR-M GR,MOD- W SRT, SB RD-SB ANG, FRI, MOD CALC CMT, SCAT OFF WH LS CUT: DL, BL, SLOW-MOD, CLDY, YEL RESD RING

SD: OFF WH LT GY, VF F GR,MOD- W SRT, SB RD-SB ANG, LSLY MOD CONSOL SME FRI; CUT: DL, BL, SLOW-MOD, CLDY, YEL GLD RESD

SD: OFF WH TN LT BRN LT GY, VF F GR, MOD W SRT, SB RD-SB ANG, LSLY MOD CONSOL SME FRI SCAT LS SME DK GY SH; CUT: DL, BL, SLOW, CLDY, YEL RESD

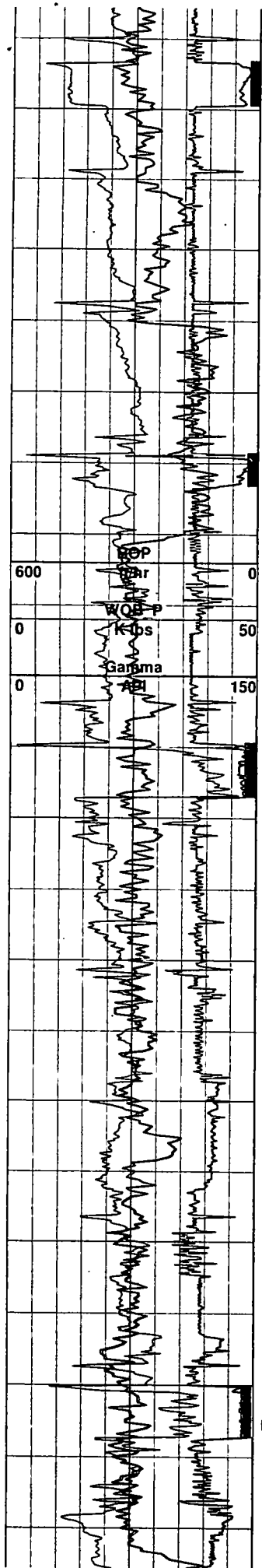
SD: TN LT BRN OFF WH LT GY, VF F GR, MOD W SRT, SB RD-SB ANG, LSLY MOD CONSOL SME FRI; CUT: DL, BL, SLOW CLDY, YELSH RESD

SD: TN OFF WH LT GY, VF F GR, MOD W SRT, SB RD-SB ANG, LSLY MOD CONSOL SME FRI SCAT TN SLTSTN; CUT: DL, BL, SLOW,CLDY, YEL RESD

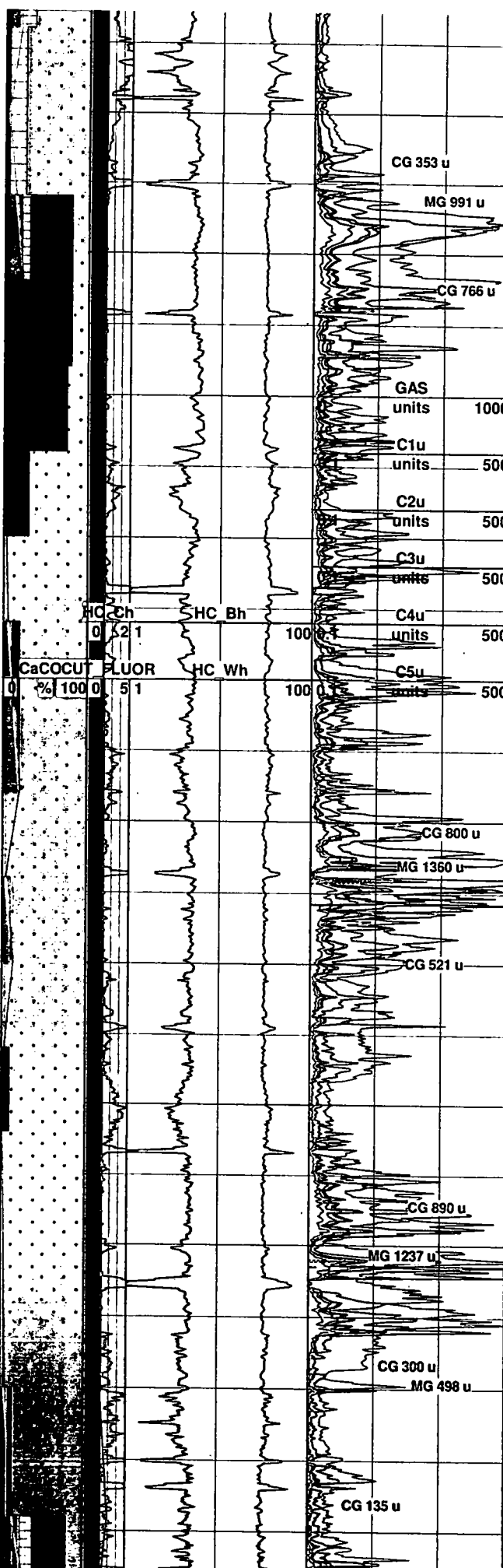
SD: OFF WH LT GY SME TN, VF F GR, MOD W SRT, SB RD-SB ANG, LSLY CONSOL SME FRI SCAT LS SME DK GY SH BRN SLTSTN; CUT: DL, BL, SLOW-MOD, DIFSE, YEL RESD RING

SD: TN OFF WH LT GY, VF F GR, MOD W SRT, SB RD-SB ANG, LSLY MOD CONSOL SME FRI SCAT GY DK GY SH; CUT: DL, BL, SLOW,CLDY, YEL RESD

SD: OFF WH TN LT



10600 KS 10700 10800 10900 11000 11100 11200 11300 11400 11500 FH 11600



MWI 8.7+
MWO 8.7+

RPM 41+MM
SPM 146
SP 2989
GPM 617

MD: 10,671'
INC: 92.60°
AZI: 270.90°
TVD: 7,815.45'
VS: 3,012.49'

MWI 8.7
MWO 8.7

RPM 40+MM
SPM 146
SP 2920
GPM 617

MD: 10,858'
INC: 92.90°
AZI: 271.20°
TVD: 7,810.62'
VS: 3,199.68'

MWI 8.7+
MWO 8.7+

RPM 40+MM
SPM 146
SP 2250
GPM 617

MD: 11,045'
INC: 93.70°
AZI: 271.10°
TVD: 7,800.18'
VS: 3,386.35'

MWI 8.8
MWO 8.8

RPM 50+MM
SPM 146
SP 3000
GPM 617

MD: 11,232'
INC: 91.40°
AZI: 270.70°
TVD: 7,795.37'
VS: 3,573.25'

MWI 8.7+
MWO 8.7+

RPM 50+MM
SPM 146
SP 3260
GPM 617

MD: 11,418'
INC: 93.50°
AZI: 270.60°
TVD: 7,787.99'
VS: 3,759.08'

MWI 8.8+
MWO 8.8+

RPM 50+MM
SPM 147
SP 2456
GPM 617

MD: 11,605'
INC: 90.20°
AZI: 270.00°
TVD: 7,782.02'

BRN LT GY, VF F GR,
MOD W SRT, SB RD-SB
ANG, LSLY MOD
CONSOL SME FRI
SCAT LS SME DK GY
SH; CUT: DL, BL,
SLOW, CLDY, YEL
RESL

SLTST: BLK-DK GY,
SLT VF, BLKY- FLK,
CONS, FRI SD; LT GY-
CLR-TR DK GY,V
SILTY, VF GR, MOD
SRT, SB RD- SB ANG,
CONS, SLI FRM, CALC
MTX. CUT BRI, CLDY,
BL-WH,FST, STMG,
YEL RESDL RING.

SD: TN OFF WH LT GY,
VF F GR, MOD W SRT,
SB RD-SB ANG, MOD
CONSOL, TR GY DK GY
SH; CUT: DL, BL,
SLOW,CLDY, YEL
RESL

SD: OFF WH TN LT
BRN LT GY, VF F GR,
MOD W SRT, SB RD-SB
ANG, LSLY MOD
CONSOL SME FRI
SCAT LS SME LT GY
SH; CUT: DL, BL,
SLOW, CLDY, YEL
RESL

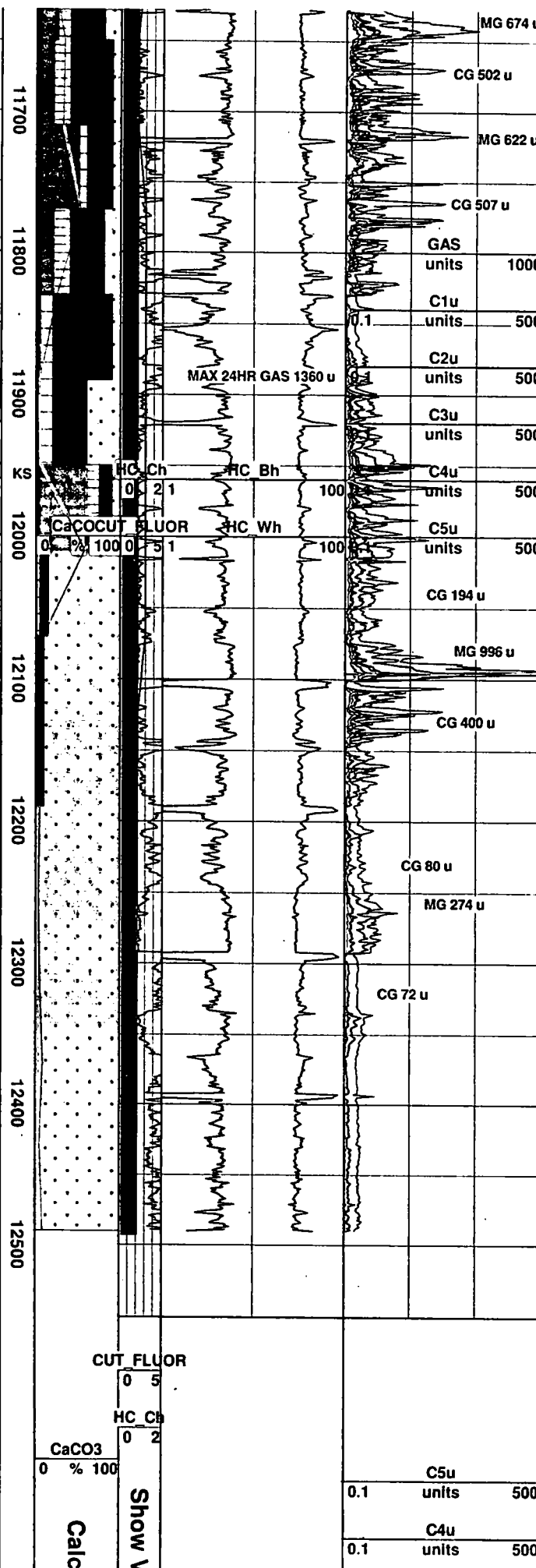
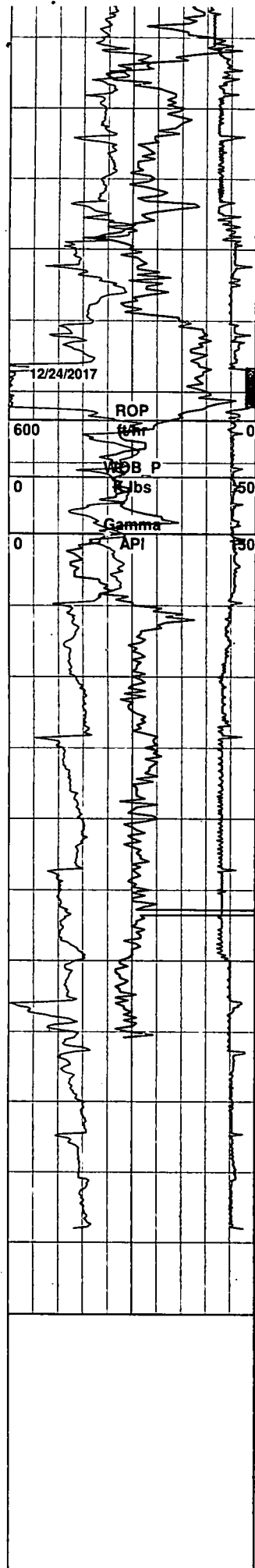
SD: OFF WH LT GY
SME TN, VF F GR, MOD
W SRT, SB RD-SB
ANG, LSLY CONSOL
SME FRI SCAT LS SME
DK GY SH BRN
SLTSTN; CUT: DL, BL,
SLOW-MOD, DIFSE,
YEL RESL RING

SD: OFF WH TN LT
BRN LT GY, VF F GR,
MOD W SRT, SB RD-SB
ANG, LSLY MOD
CONSOL SME FRI
SCAT LS SME LT GY
SH; CUT: DL, BL,
SLOW, CLDY, YEL
RESL

SD: OFF WH TN LT
BRN LT GY, VF F GR,
MOD W SRT, SB RD-SB
ANG, LSLY MOD
CONSOL SME FRI
SCAT LS SME LT GY
SH; CUT: DL, BL,
SLOW,CLDY, YEL
RESL

SD: TN OFF WH LT GY,
VF F GR, MOD W SRT,
SB RD-SB ANG, LSLY
MOD CONSOL SME FRI
SCAT GY DK GY SH;
CUT: DL, BL,
SLOW,CLDY, YEL
RESL

SLTST: BRN BLK DK
GY, SLT VF, MOD WL



MG 674 u	VS: 3,945.96'
CG 502 u	MWI 8.8+
	MWO 8.8+
MG 622 u	RPM 50+MM
	SPM 147
CG 507 u	SP 2632
	GPM 617
GAS	MD: 11,792'
units 1000	INC: 91.40°
	AZI: 269.30°
C1u	TVD: 7,779.57'
units 500	VS: 4,132.93'
C2u	MWI 8.8
units 500	MWO 8.8
C3u	RPM 50+MM
units 500	SPM 109
C4u	SP 1731
units 500	GPM 459
C5u	MD: 11,980'
units 500	INC: 88.70°
	AZI: 272.00°
CG 194 u	TVD: 7,778.83'
	VS: 4,320.88'
MG 996 u	MWI 8.8+
	MWO 8.8+
CG 400 u	RPM 50+MM
	SPM 109
	SP 2340
	GPM 459
CG 80 u	MD: 12,167'
MG 274 u	INC: 90.20°
	AZI: 272.00°
CG 72 u	TVD: 7,781.19'
	VS: 4,507.74'
	MWI 8.8+
	MWO 8.8+
	RPM 40+MM
	SPM 109
	SP 2400
	GPM 459
	MD: 12,354'
	INC: 92.20°
	AZI: 271.40°
	TVD: 7,777.10'
	VS: 4,694.62'
	MWI 8.8+
	MWO 8.8+
	RPM 40+MM
	SPM 109
	SP 2100
	GPM 459
	TD at 12,490' MD
	7,771.90' TVD on
	12/24/2017

CONS OCC SME FRI
MOD WL SRT, SB RD-
SB ANG, MOD CALC
CMT, ARG MTRX, CUT
DUL, CLDY, BL PAL
WH, SLW, YEL RESD

LS: DK GY LT GY SME
CRM BUFF, MDST
WKST PKST, VF XL F
XL, SLILY DOLO, SCAT
SLTSTN CUT: FR, BL,
MLKY CLDY, YEL GLD
RESD

SLTST: BRN BLK DK
GY, SLT VF, MOD WL
CONS OCC SME FRI
MOD WL SRT, SB RD-
SB ANG, MOD CALC
CMT, ARG MTRX, CUT
DUL, CLDY, BL PAL
WH, SLW, YEL RESD

LS: DK GY LT GY SME
CRM BUFF, MDST
WKST PKST, VF XL F
XL, SLILY DOLO, SCAT
SLTSTN CUT: FR, BL,
MLKY CLDY, YEL GLD
RESD

SD: TN OFF WH LT GY,
VF F GR, MOD W SRT,
SB RD-SB ANG, LSLY
MOD CONSOL SME FRI
SCAT GY DK GY SH;
CUT: DL, BL,
SLOW, CLDY, YEL
RESD

SD: OFF WH TN LT
BRN LT GY, VF F GR,
MOD W SRT, SB RD-SB
ANG, LSLY MOD
CONSOL SME FRI
SCAT LS SME LT GY
SH; CUT: DL, BL,
SLOW, CLDY, YEL
RESD

SD: OFF WH TN LT
BRN LT GY, VF F GR,
MOD W SRT, SB RD-SB
ANG, LSLY MOD
CONSOL SME FRI
SCAT LS SME LT GY
SH; CUT: DL, BL,
SLOW, CLDY, YEL
RESD

CUT FLUOR	0 5
HC Ch	0 2
CaCO3	0 % 100
Calc	Show V
C5u	0.1 units 500
C4u	0.1 units 500

[illegible]