

EXXON COMPANY, U. S. A.

WELL #1 W. W. MCCOY

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

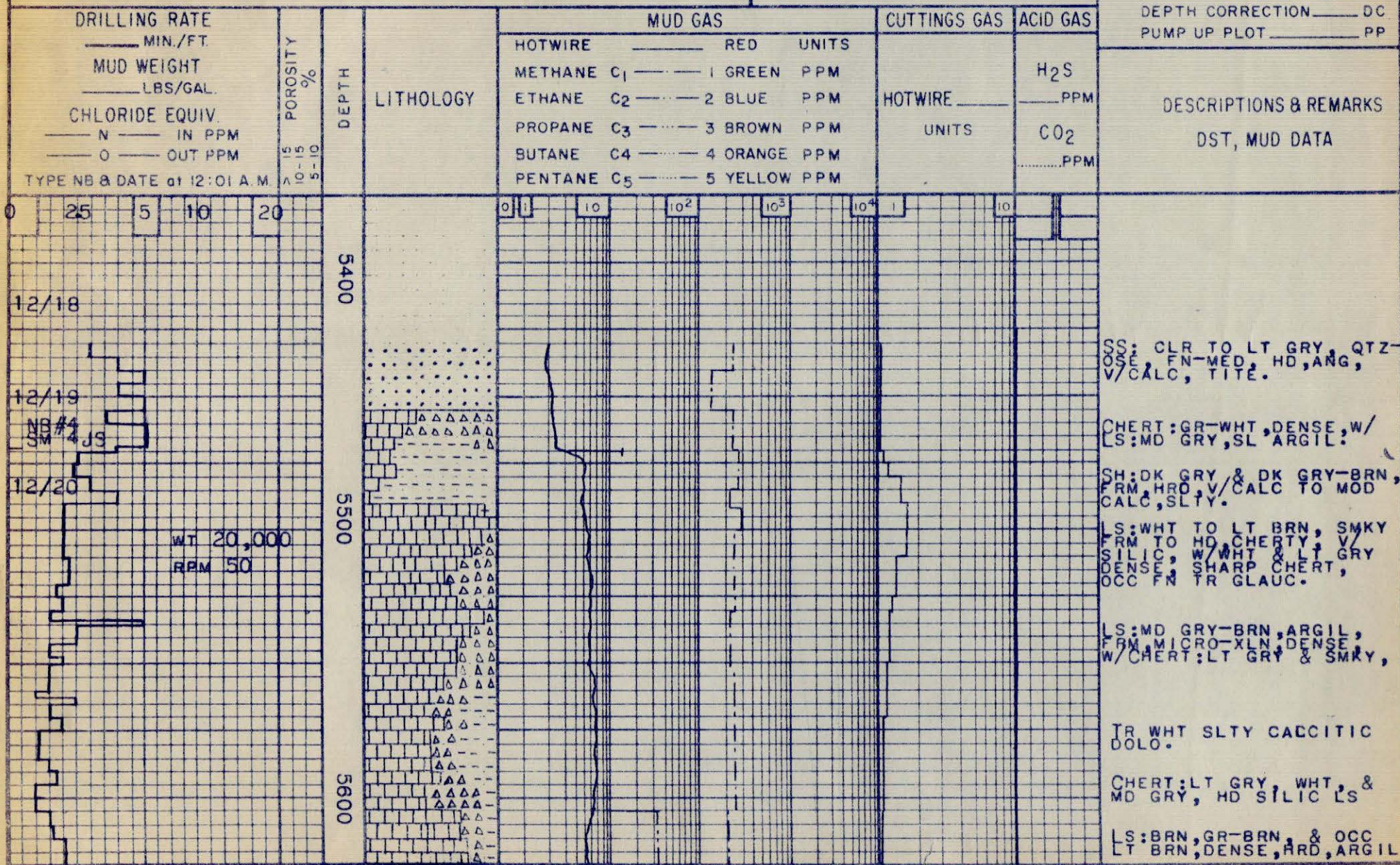
DATE 12-18-74

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____
 CONNECTION GAS _____
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP



WT 20,000
RPM 50

EXXON COMPANY, U. S. A.

WELL #1 W.W.MCCOY

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 12-20-74

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
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DRILLING RATE
X MIN./FT.
MUD WEIGHT
____ LBS/GAL.
CHLORIDE EQUIV.
____ N ____ IN PPM
____ O ____ OUT PPM
TYPE NB & DATE at 12:01 A.M.

POROSITY %
15
10-15
5-10

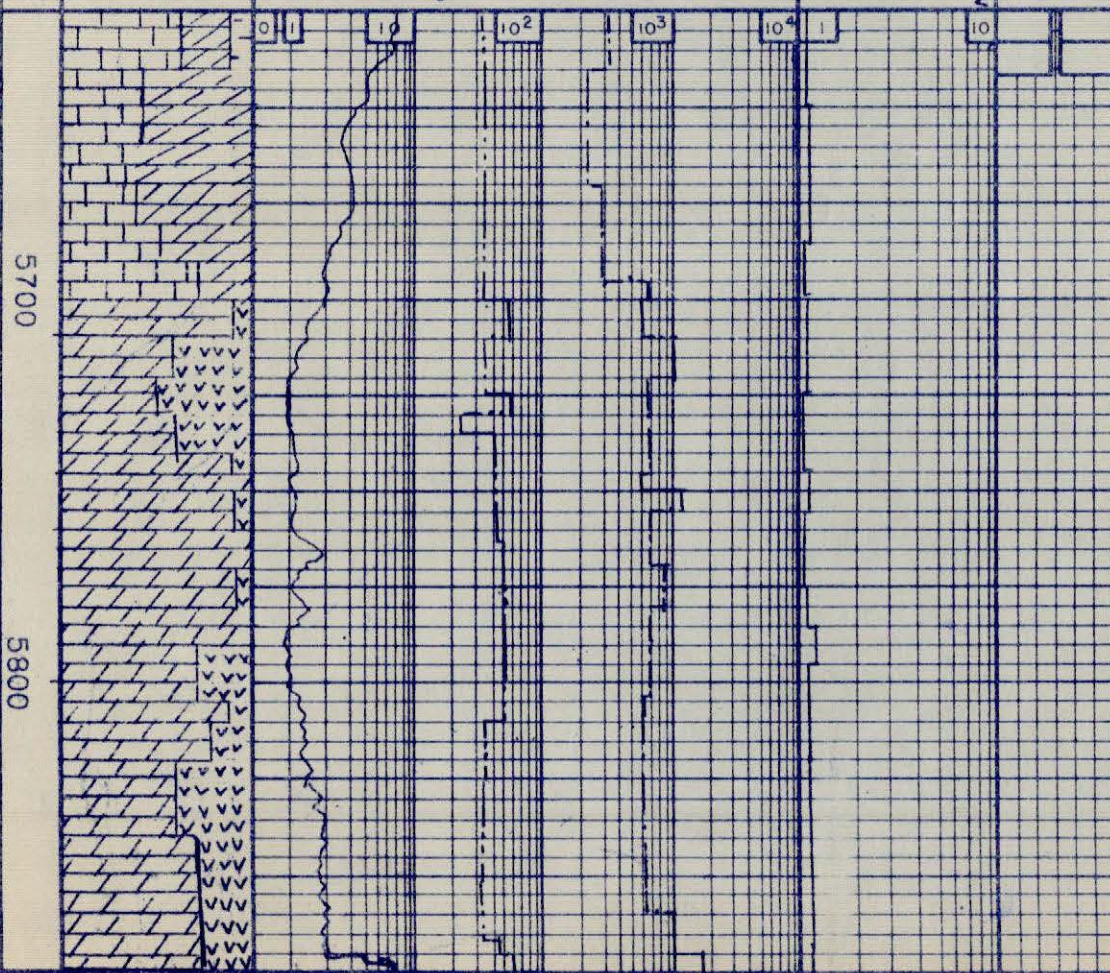
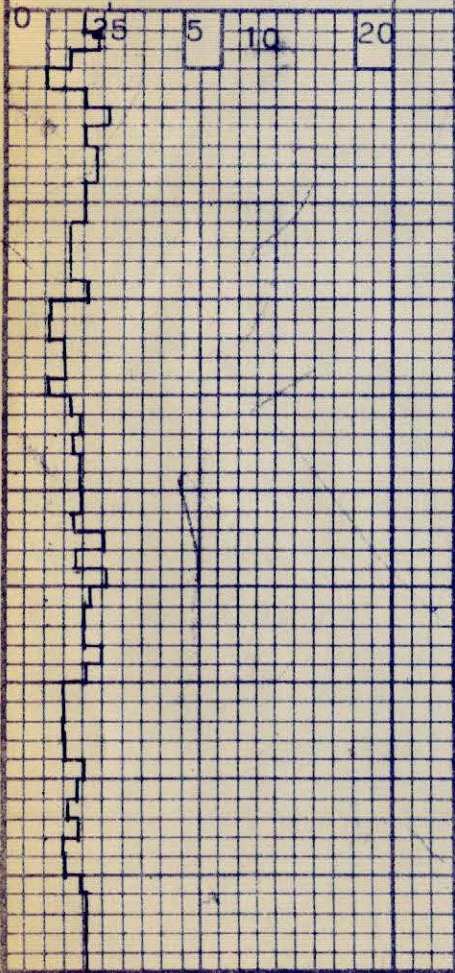
DEPTH

LITHOLOGY

MUD GAS
HOTWIRE _____ RED UNITS
METHANE C₁ _____ 1 GREEN PPM
ETHANE C₂ _____ 2 BLUE PPM
PROPANE C₃ _____ 3 BROWN PPM
BUTANE C₄ _____ 4 ORANGE PPM
PENTANE C₅ _____ 5 YELLOW PPM

CUTTINGS GAS
HOTWIRE _____
UNITS _____
ACID GAS
H₂S _____ PPM
CO₂ _____ PPM

DESCRIPTIONS & REMARKS
DST, MUD DATA



LIMESTONE: DK TAN, HD,
MICR-XLN/MASSIVE, TITE
ARGILL
DOLOMITE: BRN/RED BROWN,
HD, MASSIVE, TR PYRITE.
ANHYDRITE: CLR/AMORPHOUS,
WHT FIRM/SFT
DOLOMITE: LT BRN, MASSIVE,
OCC MICRO XLN, INTBD ANHY
ANHYDRITE: WHT, AMORPHOUS,
OCC CLR FIRM/SFT.
DOLOMITE: LT/DK BRN, SPKLD
MASSIVE, INTBD ANHY. RARE
CHERT & PYR.

EXXON COMPANY, U. S. A.

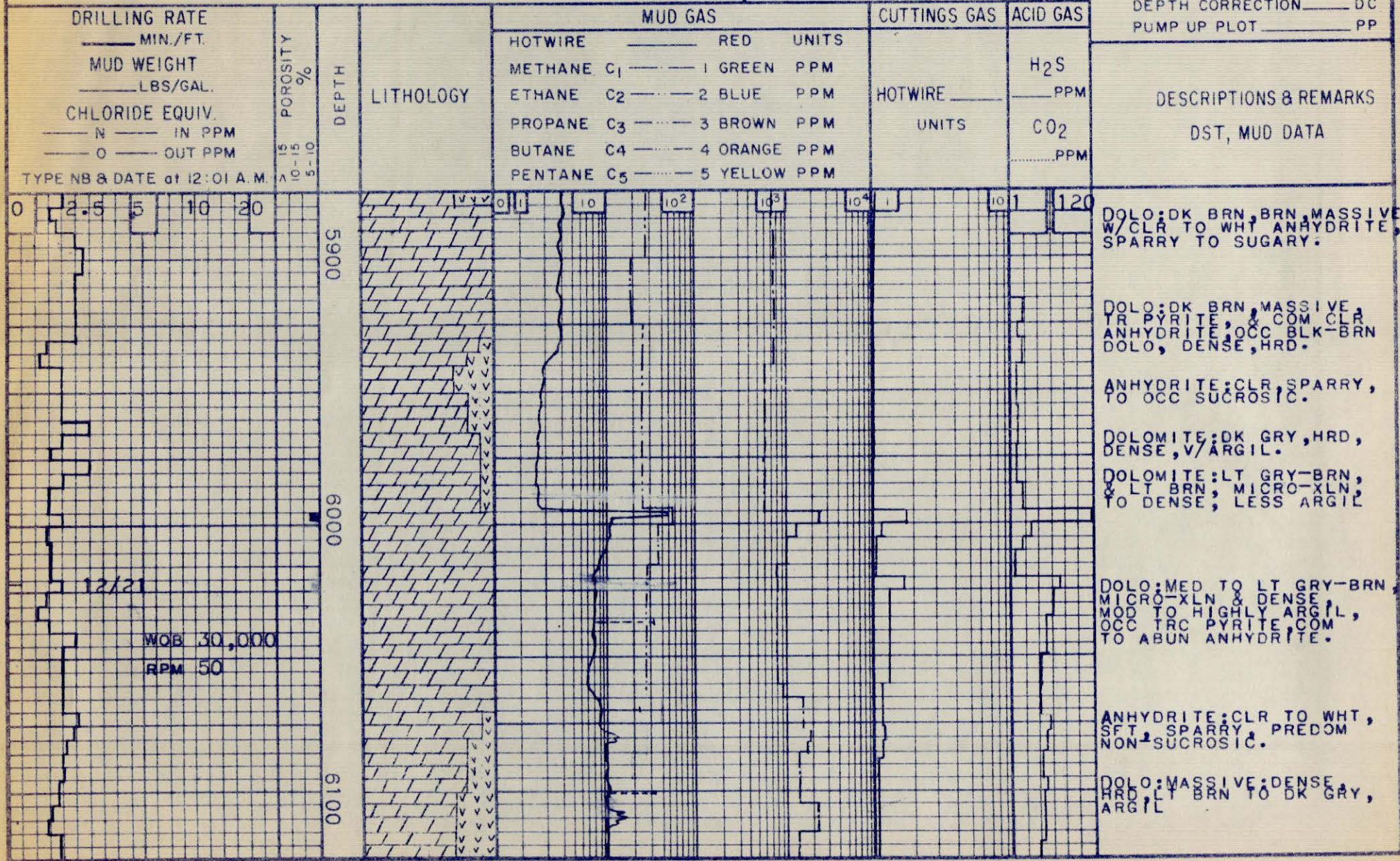
WELL #1 W.W. MCCOY
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 12-20-74

LITHOLOGY

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12/21

WOB 30,000
RPM 50

EXXON COMPANY, U. S. A.

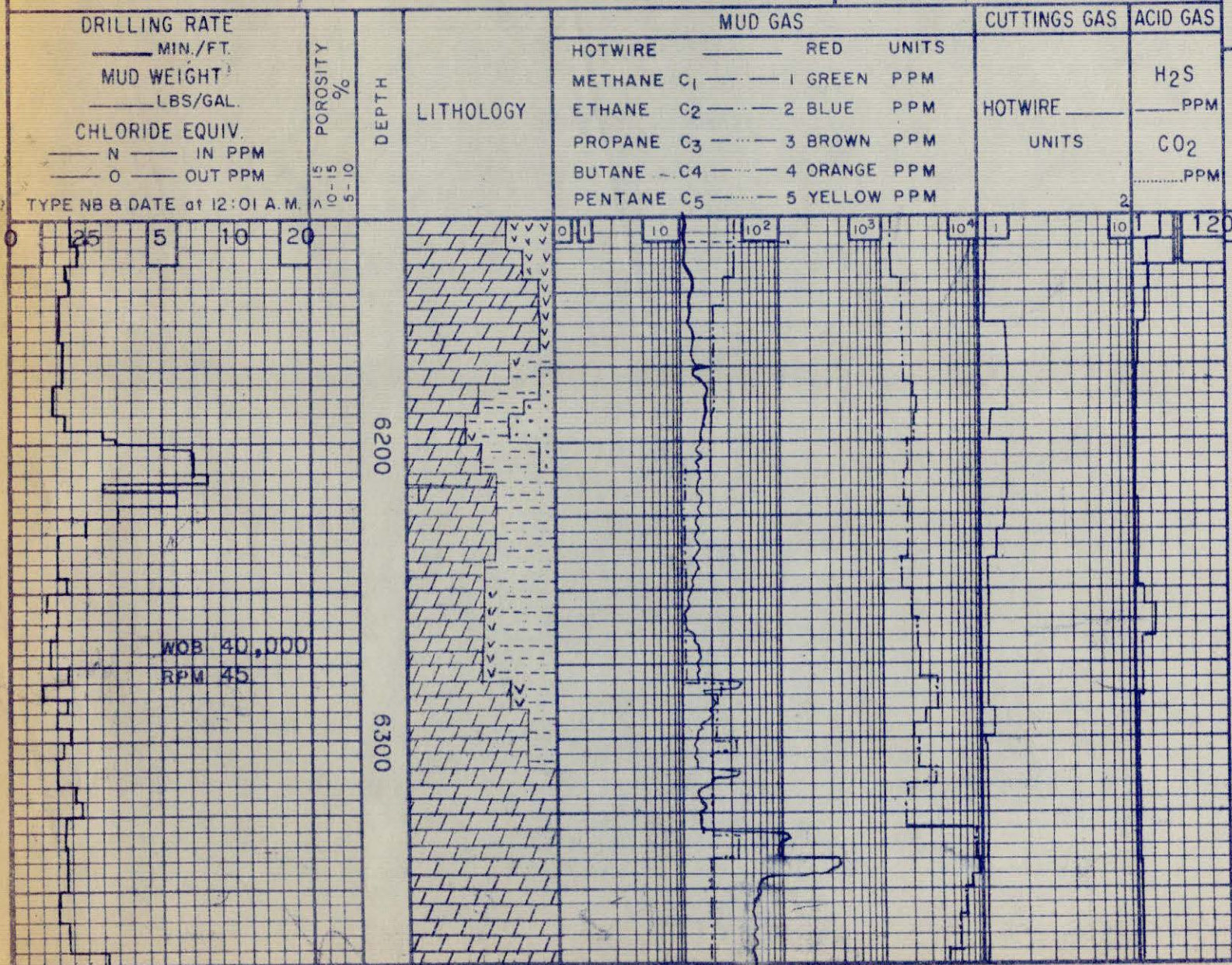
WELL W. W. MCCOY #1
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 12-21-74

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
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DESCRIPTIONS & REMARKS
 DST, MUD DATA

ST 1 $\frac{1}{4}$ °

DOLO: BRN, LT BRN-GRY, HRD, DENSE, OCC MICRO XLN, SL CALCITIC, ARGIL W/CR-WHT SPARRY ANHYDRITE.

DOLO: DK GRY, BECOMING V/SHALEY

SS: WHT, V/FN, HRD, TITE, WELL CEM, QTZOSE.

SHALE: GRY/DK GRY, SILTY, FISSILE, BRITTLE, HD. DOLOMITE: BRN, MASSIVE, ARGILL, WELL INDURATED.

ANHYDRITE: TRACES WHT, SPT AMORPHOUS.

DOLOMITE: BRN/DK BRN, WELL INDURATED, ARGILL, WI RARE LIMY-DOLOMIT.

NOTE: 16.000PPM METHANE AT 6345

EXXON COMPANY, U. S. A.

WELL #1 W.W.MCCOY

COUNTY JACKSON STATE WEST VIRGINIA

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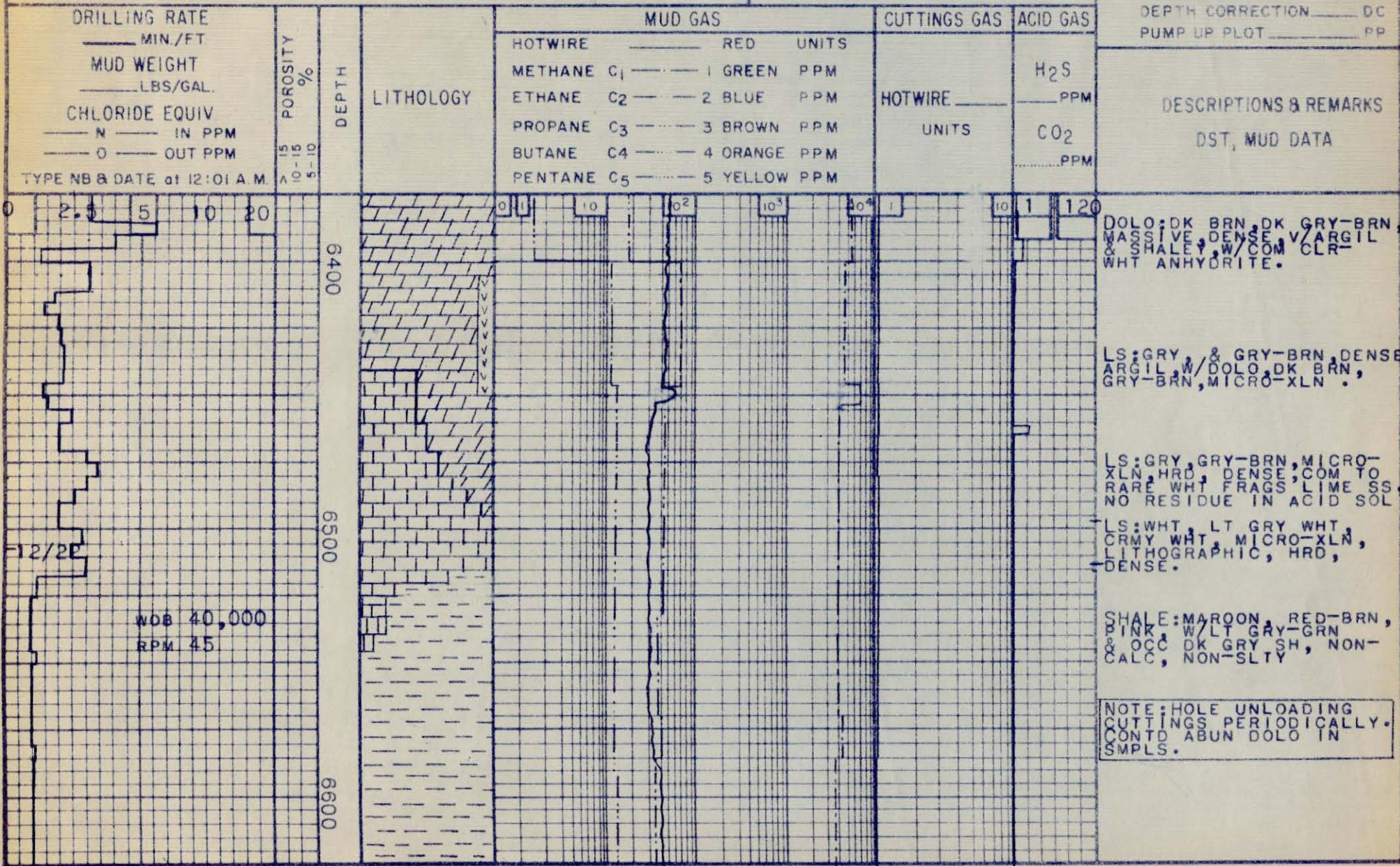
DATE

LITHOLOGY

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PUMP UP PLOT	PP



NOTE: HOLE UNLOADING CUTTINGS PERIODICALLY. CONTD ABUN DOLO IN SMPLS.

WDB 40,000
RPM 45

F12/2E

EXXON COMPANY, U. S. A.

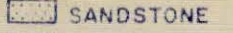
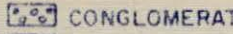
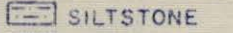
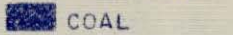
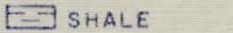
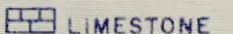
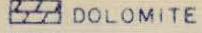
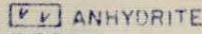
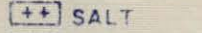
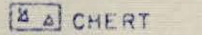
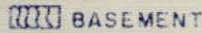
WELL #1 W.W.MCCOY

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

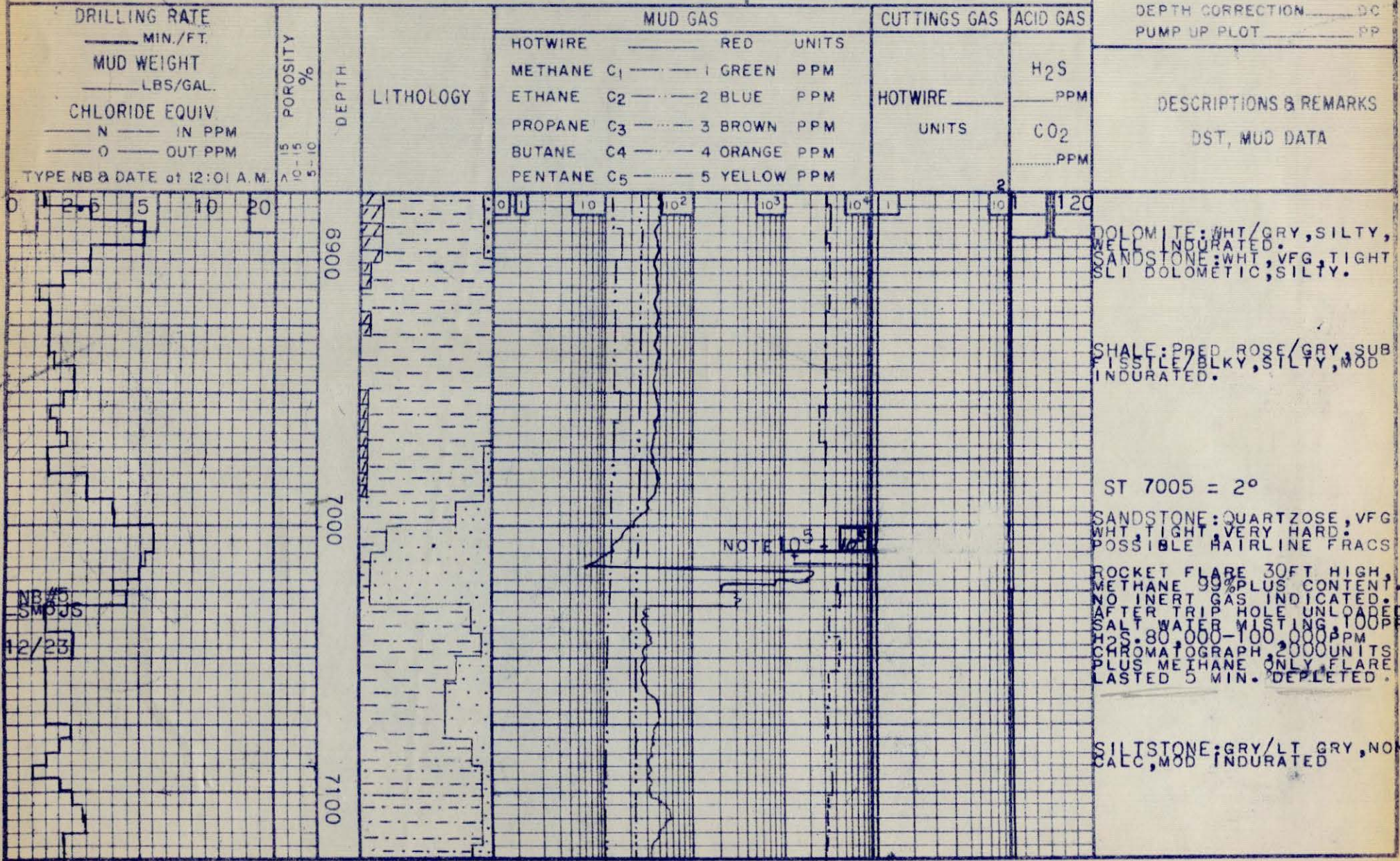
DATE 12-22-74

LITHOLOGY

-  SANDSTONE
-  CONGLOMERATE
-  SILTSTONE
-  COAL
-  SHALE
-  LIMESTONE
-  DOLOMITE
-  ANHYDRITE
-  SALT
-  CHERT
-  BASEMENT

ABBREVIATIONS

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- DEPTH CORRECTION _____ DC
- PUMP UP PLOT _____ PP



NB/5
SMOJS
12/23

NOTE TO 5

EXXON COMPANY, U. S. A.

WELL #1 W.W.MCCOY

COUNTY JACKSON STATE WEST VIRGINIA

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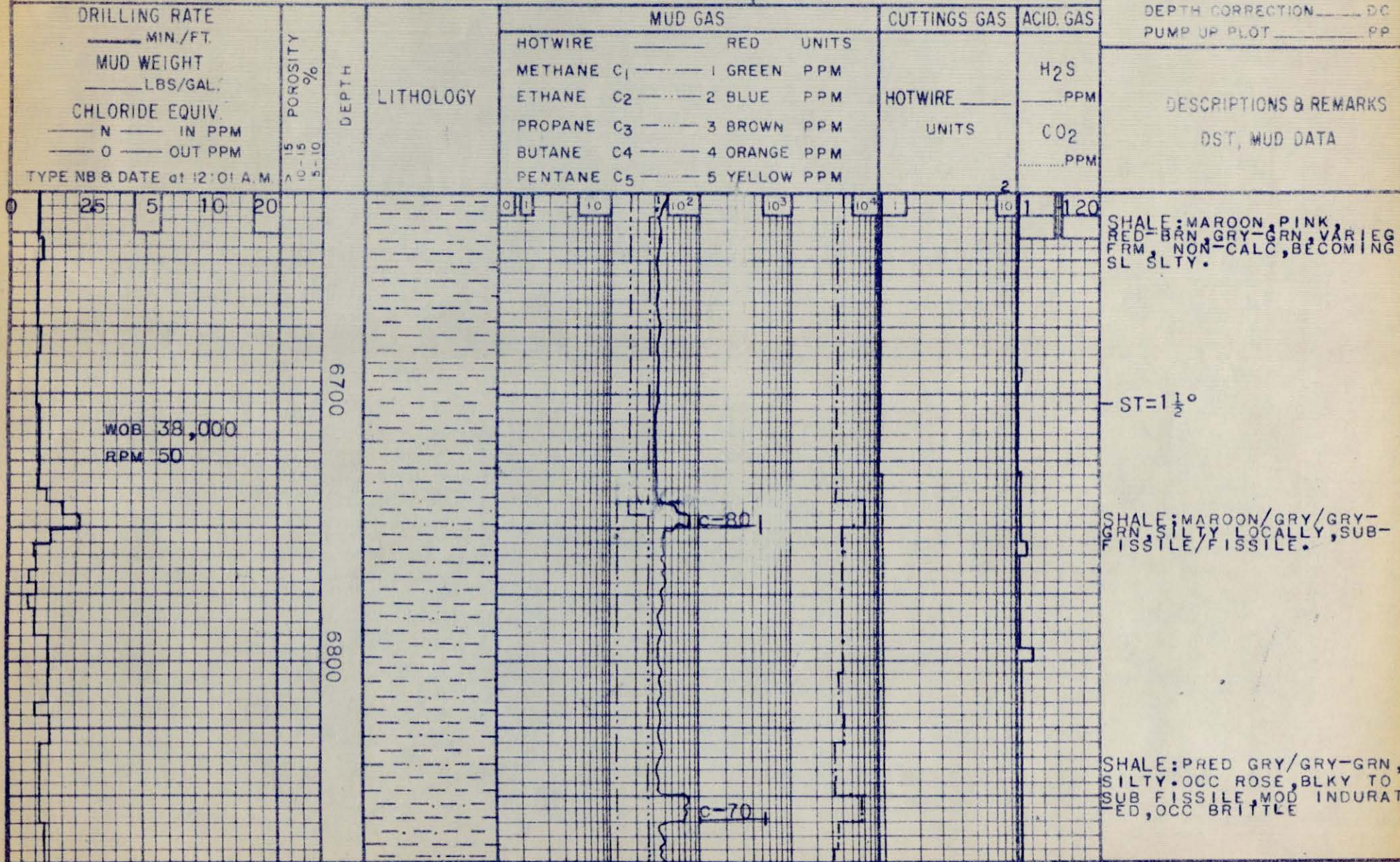
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EXXON COMPANY, U. S. A.













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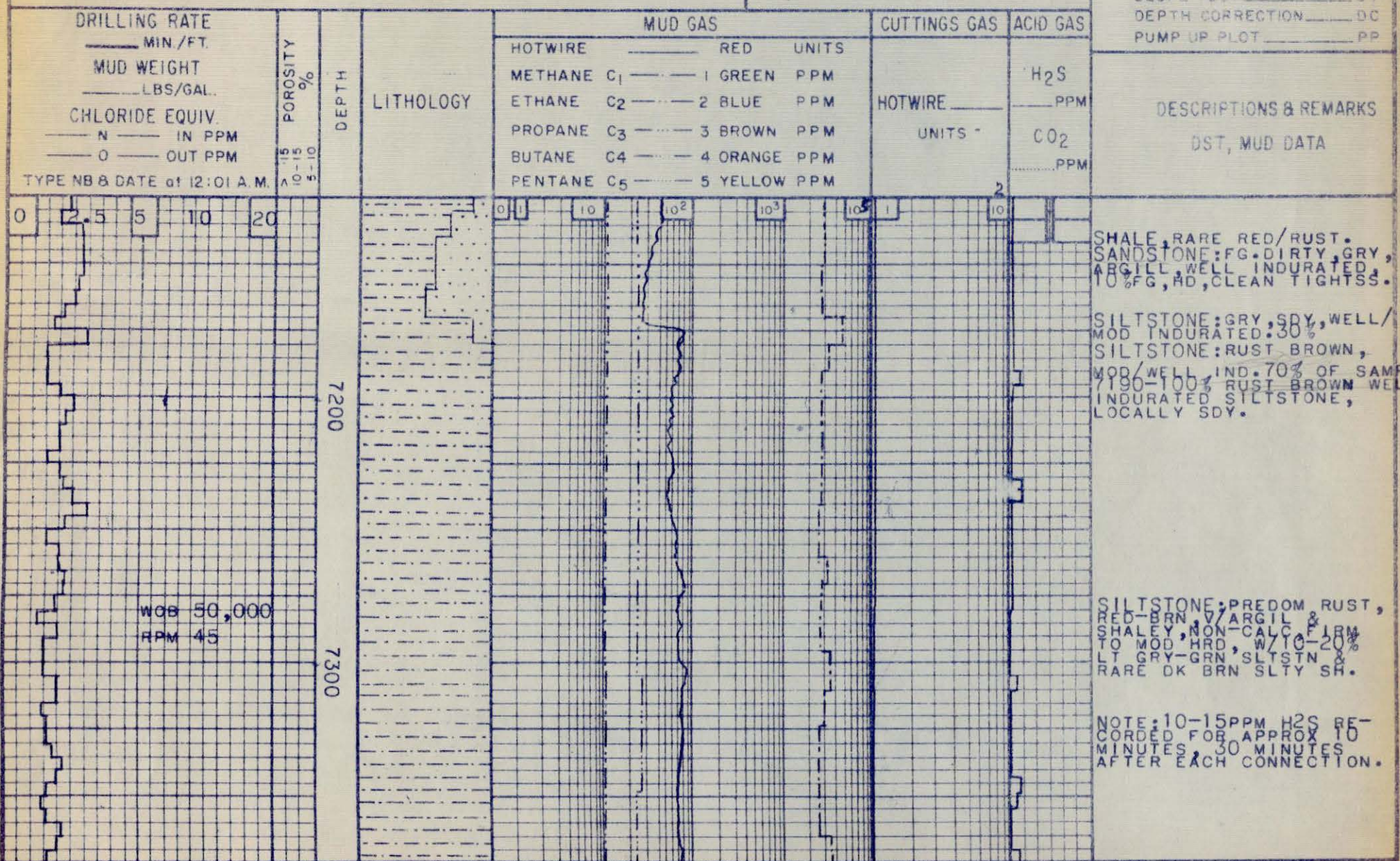
DATE 12-23-74

LITHOLOGY

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SHALE, RARE RED/RUST.
SANDSTONE: FG. DIRTY, GRY,
ARGILL, WELL INDURATED,
10% FG, RD, CLEAN TIGHTSS.

SILTSTONE: GRY, SDY, WELL/
MOD INDURATED, 30%
SILTSTONE: RUST BROWN,
MOD/WELL IND. 70% OF SAMP
7190-100% RUST BROWN WEL
INDURATED SILTSTONE,
LOCALLY SDY.

SILTSTONE, PREDOM RUST,
RED-BRN, V ARGIL & FIRM
SHALEY, NON-CALC TO MOD HRD, W/ 10-20%
LT GRY-GRN, SLTSTN &
RARE DK BRN SLTY SH.

NOTE: 10-15PPM H₂S RE-
CORDED FOR APPROX 10
MINUTES, 30 MINUTES
AFTER EACH CONNECTION.

EXXON COMPANY, U. S. A.

WELL #1 W. W. MCCOY

COUNTY JACKSON STATE WEST VIRGINIA

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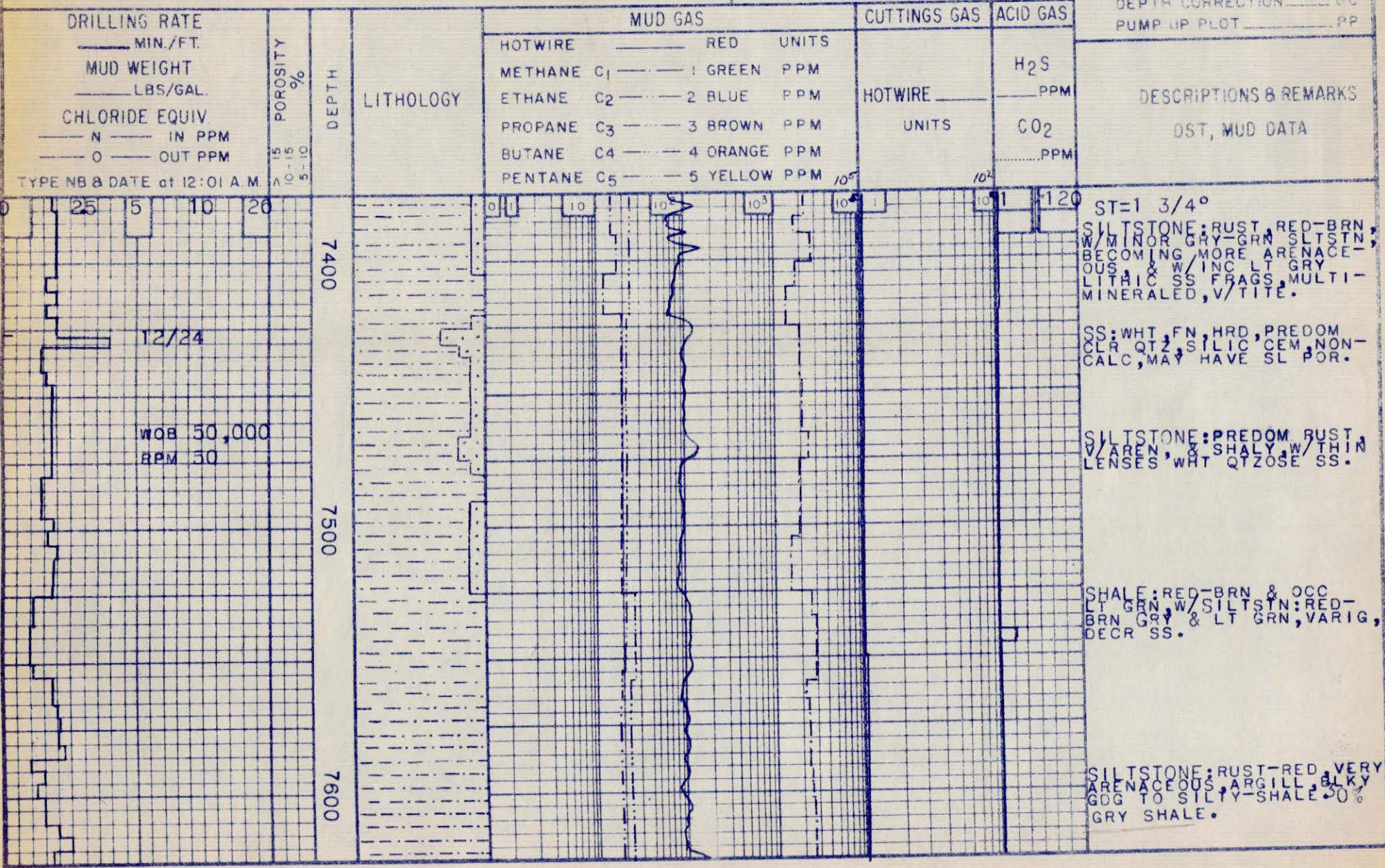
DATE 12-24-74

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COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

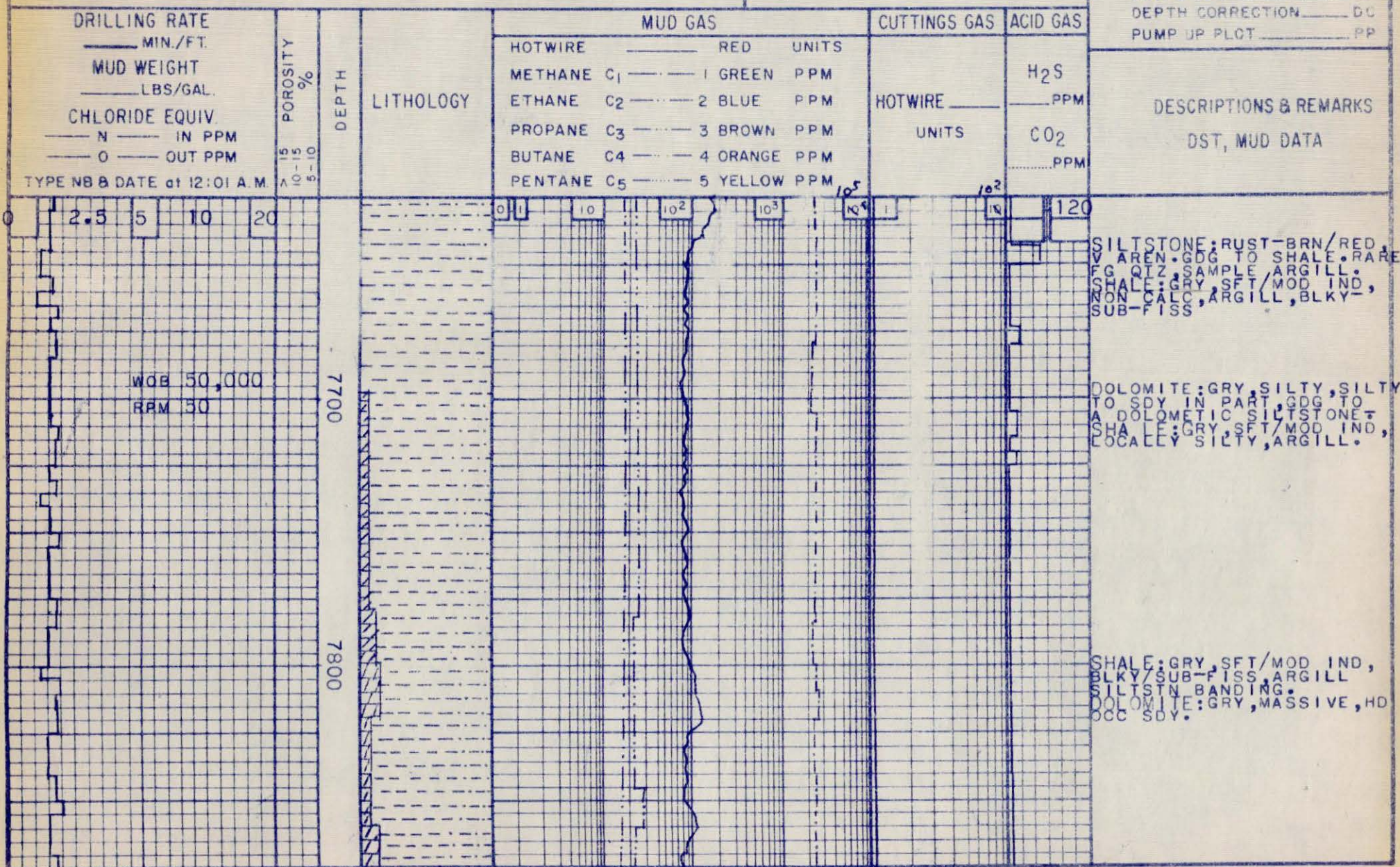
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EXXON COMPANY, U. S. A.

WELL #1 W.W. MCCOY

COUNTY JACKSON STATE WEST VIRGINIA

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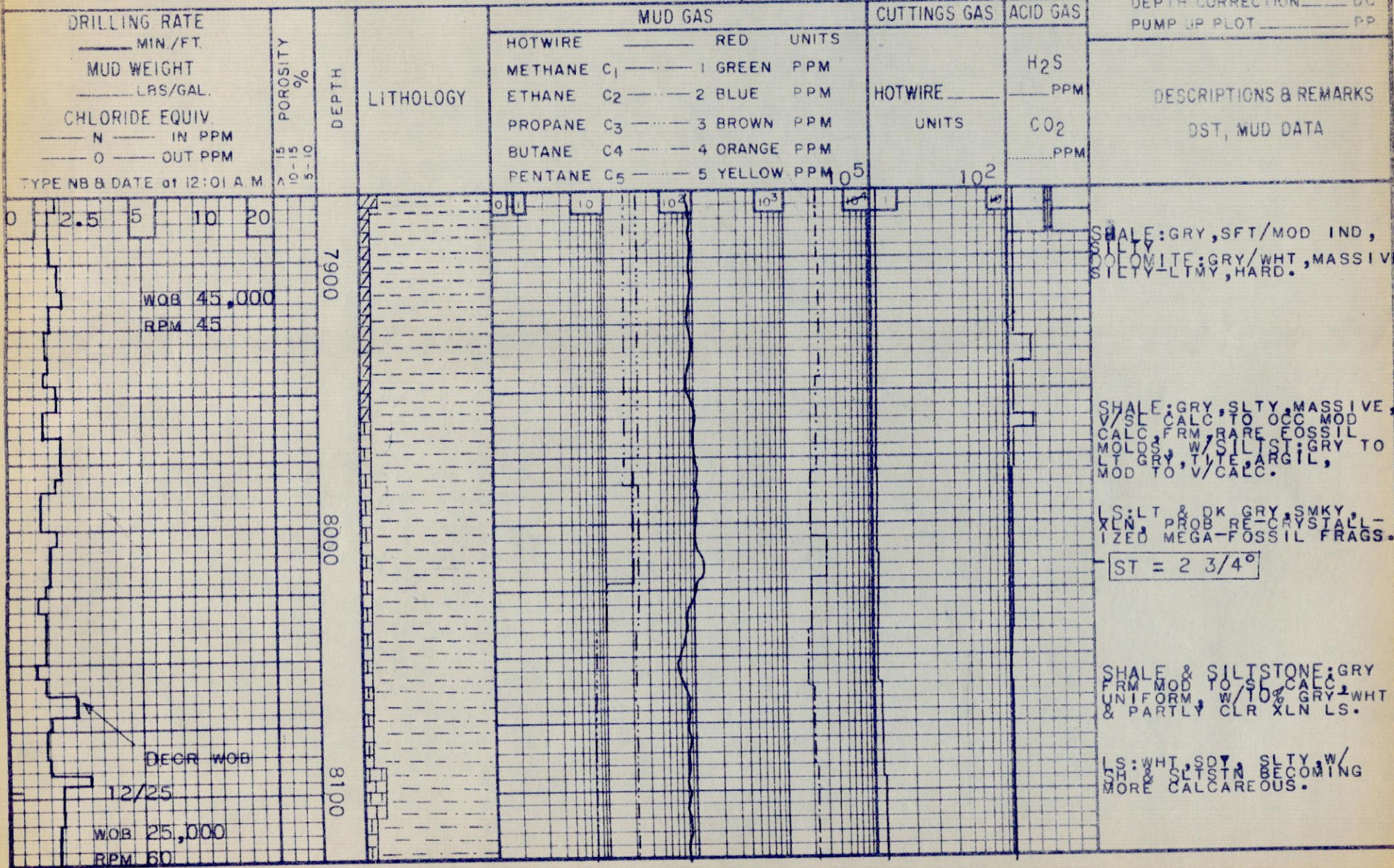
DATE 12-24-74

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COUNTY JACKSON STATE WEST VIRGINIA

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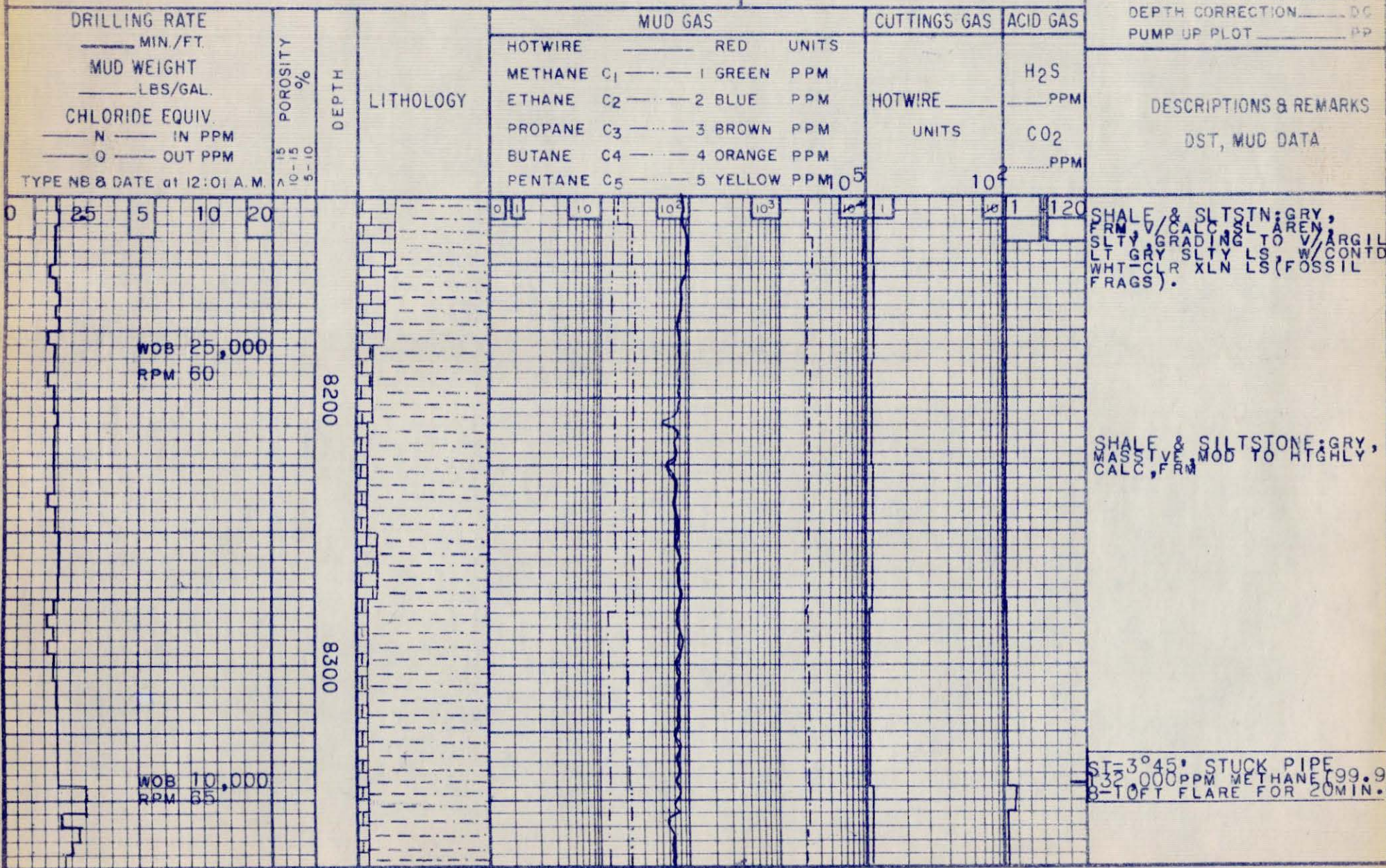
DATE 12-24-74

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WOB 25,000
RPM 60

WOB 10,000
RPM 35

EXXON COMPANY, U. S. A.

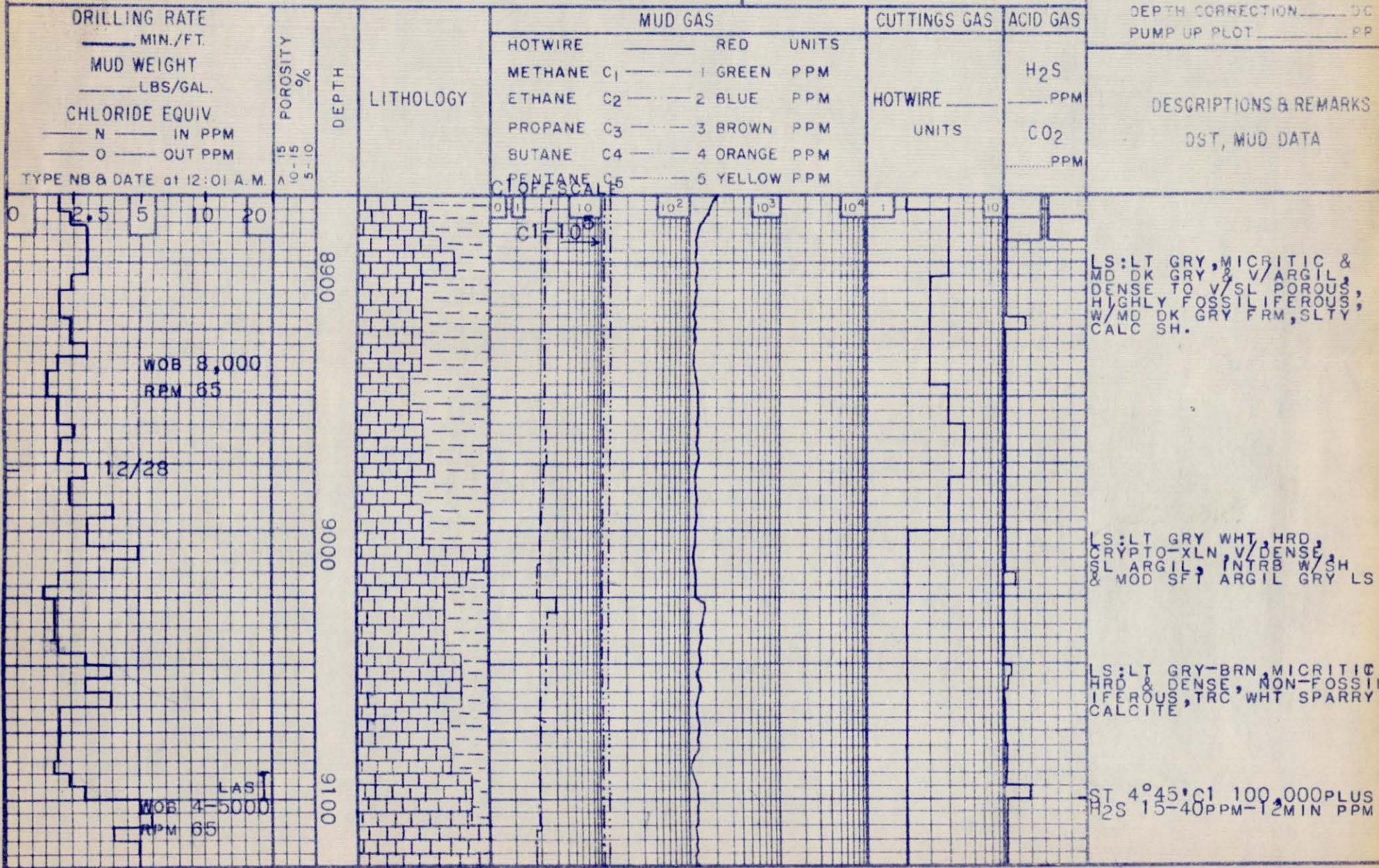
WELL #1 W.W.McCOY
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 12-27-74

LITHOLOGY

- | | | | |
|--|--------------|--|-----------|
| | SANDSTONE | | DOLOMITE |
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LS: LT GR Y, MICRITIC &
 MD DK GR Y, V/ARGIL,
 DENSE TO V/SL POROUS,
 HIGHL FOSSILIFEROUS,
 W/MD DK GR Y FRM, SLTY,
 CALC SH.

LS: LT GR Y WHT, HRD,
 & CRYPTO-XLN, V/DENSE,
 SL ARGIL, INTRB W/SH
 & MOD SFT ARGIL GR Y LS

LS: LT GR Y-BRN, MICRITIC
 HRD & DENSE, NON-FOSSIL
 IFEROUS, TRC, WHT SPARRY
 CALCITE

ST 4°45', C1 100,000 PLUS
 H₂S 15-40 PPM-12 MIN PPM

EXXON COMPANY, U. S. A.

WELL #1 W. W. MCCOY

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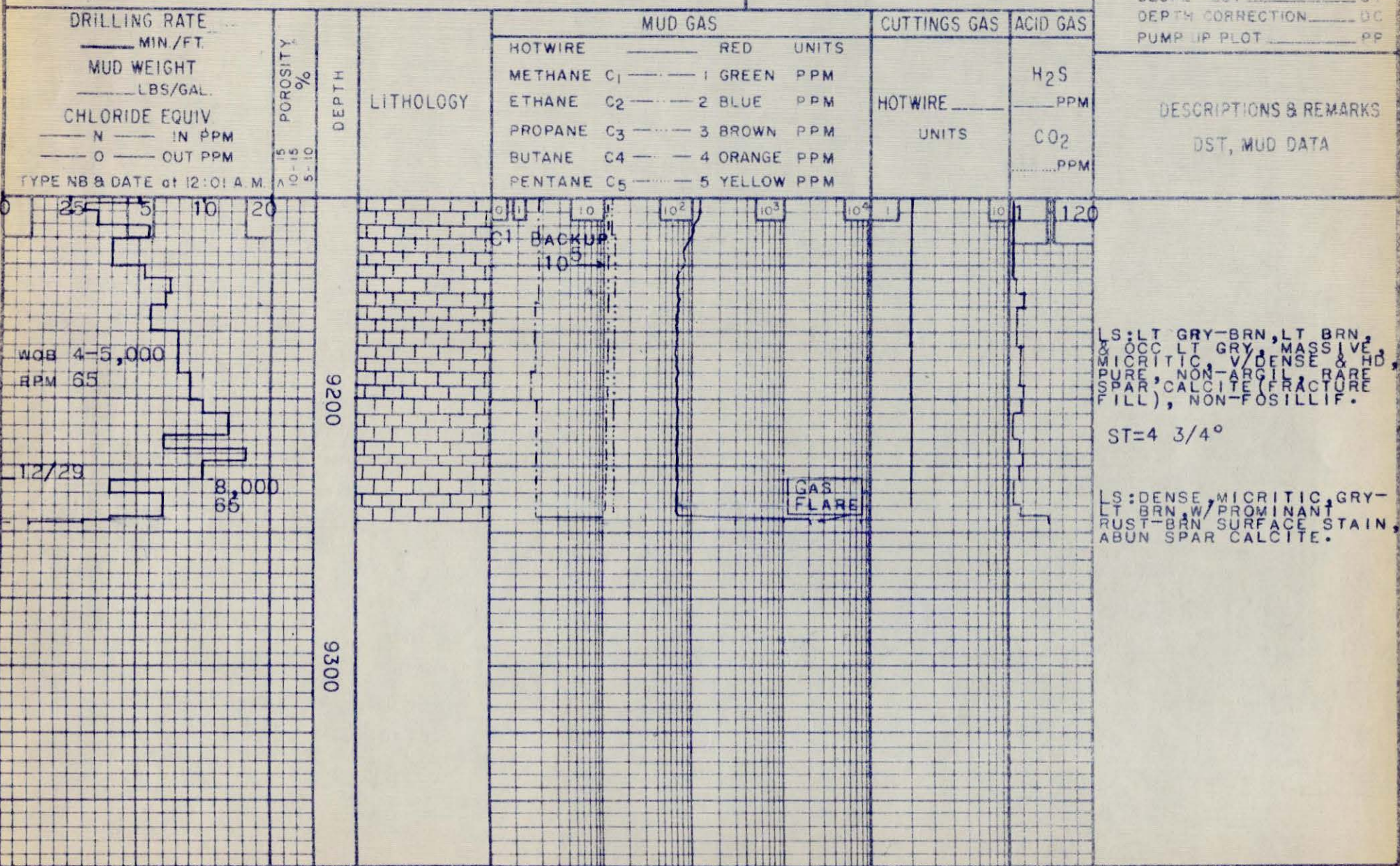
DATE 12/28/74

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EXXON COMPANY, U. S. A.

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COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 12/26/74

LITHOLOGY

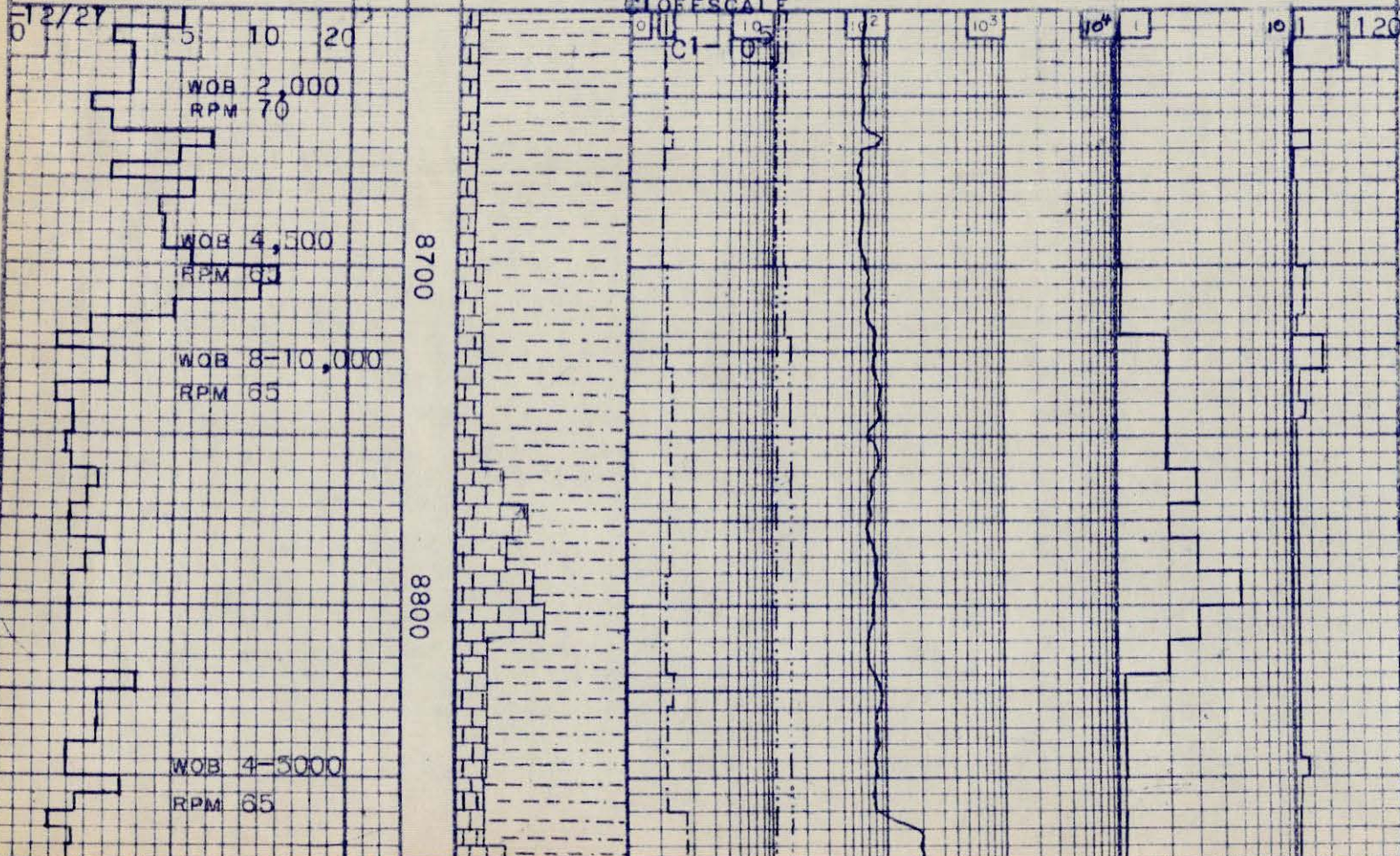
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DRILLING RATE MIN/FT	MUD WEIGHT LBS/GAL	CHLORIDE EQUIV. N IN PPM O OUT PPM	TYPE NB & DATE	POROSITY %	DEPTH	LITHOLOGY	MUD GAS					CUTTINGS GAS	ACID GAS
							HOTWIRE	RED	UNITS	METHANE C1	ETHANE C2		

DESCRIPTIONS & REMARKS
DST, MUD DATA



SHALE: MIXED MD DK GRY & GRY, ALL MOD TO V/ CALC, W/ INFLUX MD LT GRY PYRITIC SHALE, CONT LT GRY XLN LS.

LIMESTONE: BRN, MICRO-XLN SILTY, APT MICRITE

ST=4°45' 200,000PPM C1
SHALE: GRY, BLKY, V CALC/ LIMY, SILTY.
SILTSTONE: GRY, LIMY, BLKY FORAMINIFERA, FOSSIL, BI-VALVE FRAGS.

LIMESTONE: BRN/CLR, MICRI E, DENSE/MICRO-XLN, FOSS MOLDS, CALCARENITIC.

SHALE: GRY, LIMY, SFT, BLKY LOCALLY SILTY, FOSS & FORAMINIFERA.
LIMESTONE: AS ABOVE.

ST4°15' 210,000PPMC1
AFTER SURVEY: 12PPMH2S
5MIN, 50PPM 15MIN.

EXXON COMPANY, U. S. A.

WELL W.W.MCCOY S.T. #1

COUNTY JACKSON

STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

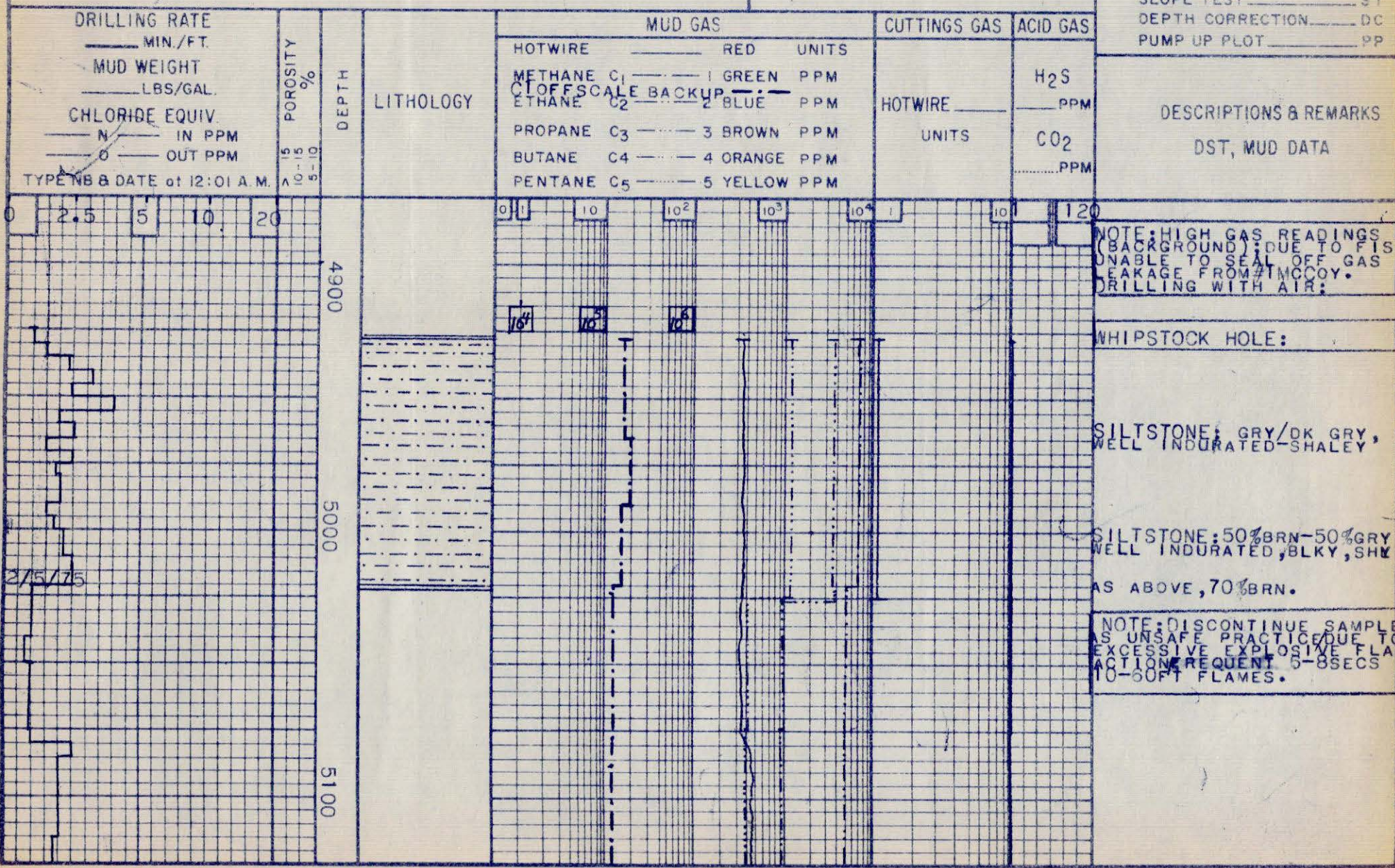
DATE 2/7/75

LITHOLOGY

SANDSTONE	DOLOMITE
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COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W.W.MCCOY#1 S.T.

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

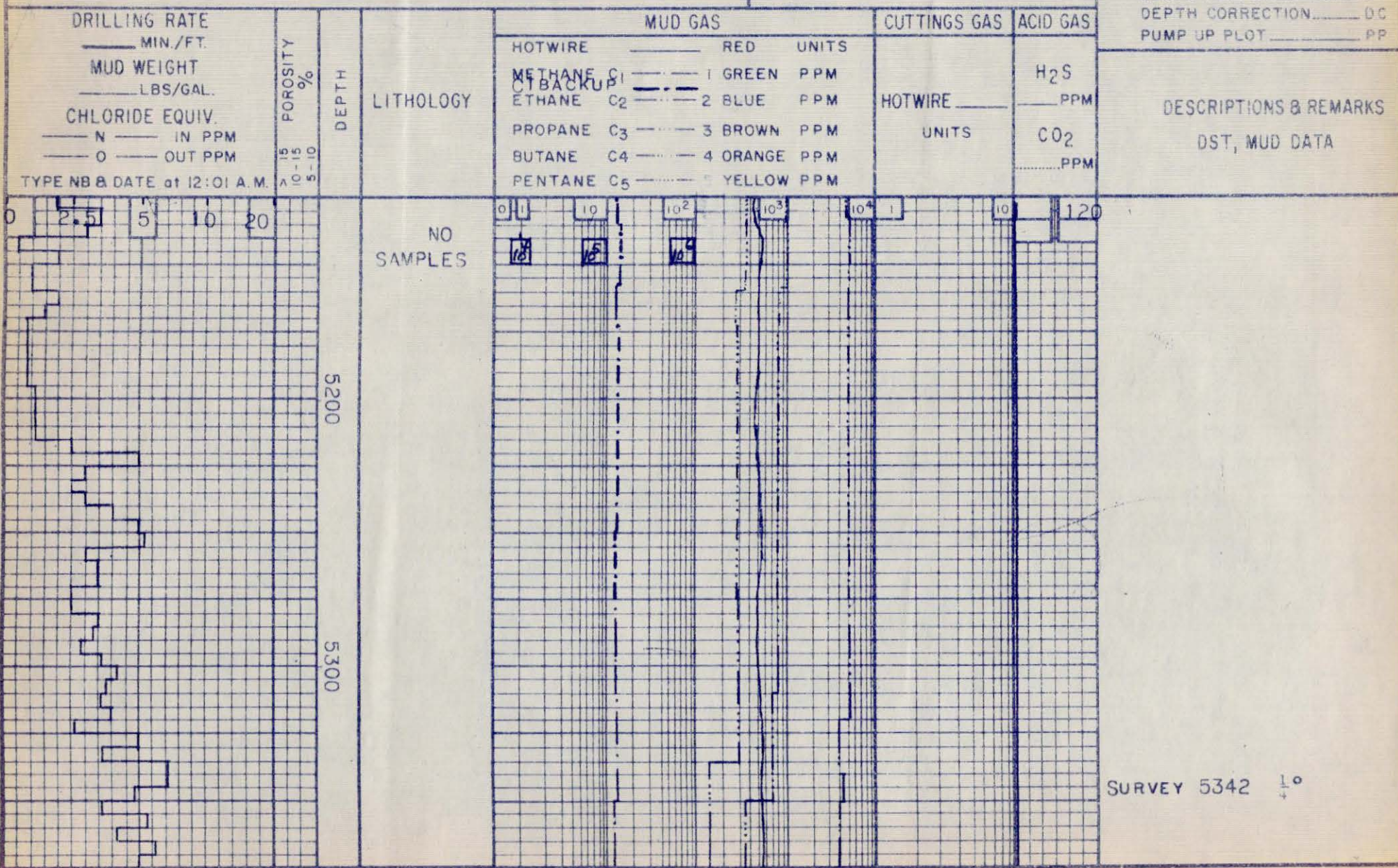
DATE 2/8/75

LITHOLOGY

- | | | | |
|--|--------------|--|-----------|
| | SANDSTONE | | DOLOMITE |
| | CONGLOMERATE | | ANHYDRITE |
| | SILTSTONE | | SALT |
| | COAL | | CHERT |
| | SHALE | | BASEMENT |
| | LIMESTONE | | |

ABBREVIATIONS

- | | |
|-------------------|-----|
| DRILL STEM TEST | DST |
| LOGGED AFTER TRIP | LAT |
| TRIP GAS | |
| CONNECTION GAS | |
| NEW BIT | NB |
| CORE BIT | CB |
| CIRCULATED OUT | CO |
| NO RETURNS | NR |
| SLOPE TEST | ST |
| DEPTH CORRECTION | DC |
| PUMP UP PLOT | PP |



EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 S.T.

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

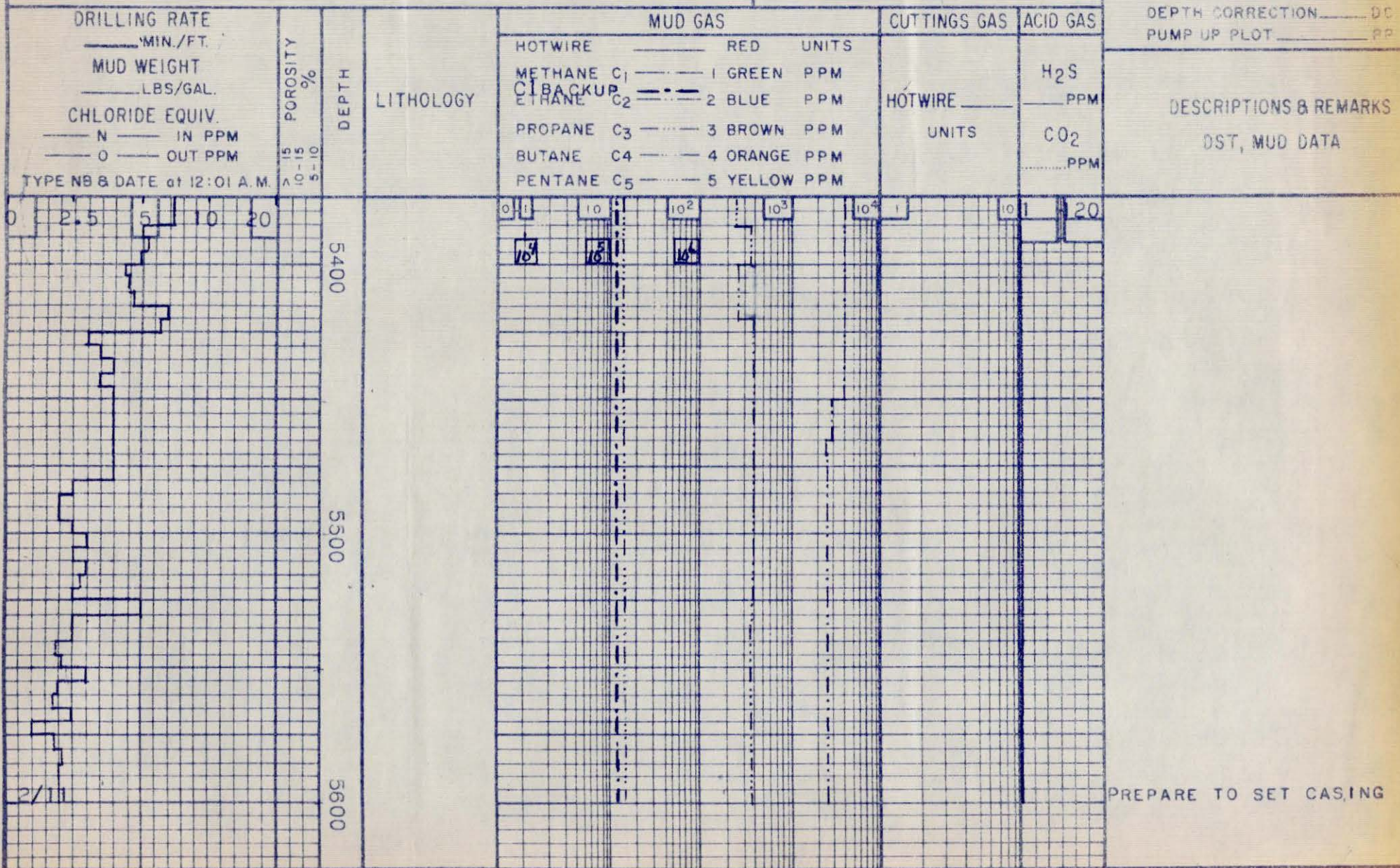
DATE 2/10/75

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- | | |
|-------------------|-----|
| DRILL STEM TEST | DST |
| LOGGED AFTER TRIP | LAT |
| TRIP GAS | |
| CONNECTION GAS | |
| NEW BIT | NB |
| CORE BIT | CB |
| CIRCULATED OUT | CO |
| NO RETURNS | NR |
| SLOPE TEST | ST |
| DEPTH CORRECTION | DC |
| PUMP UP PLOT | PP |



EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 S.T. #2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 2/23/75

LITHOLOGY

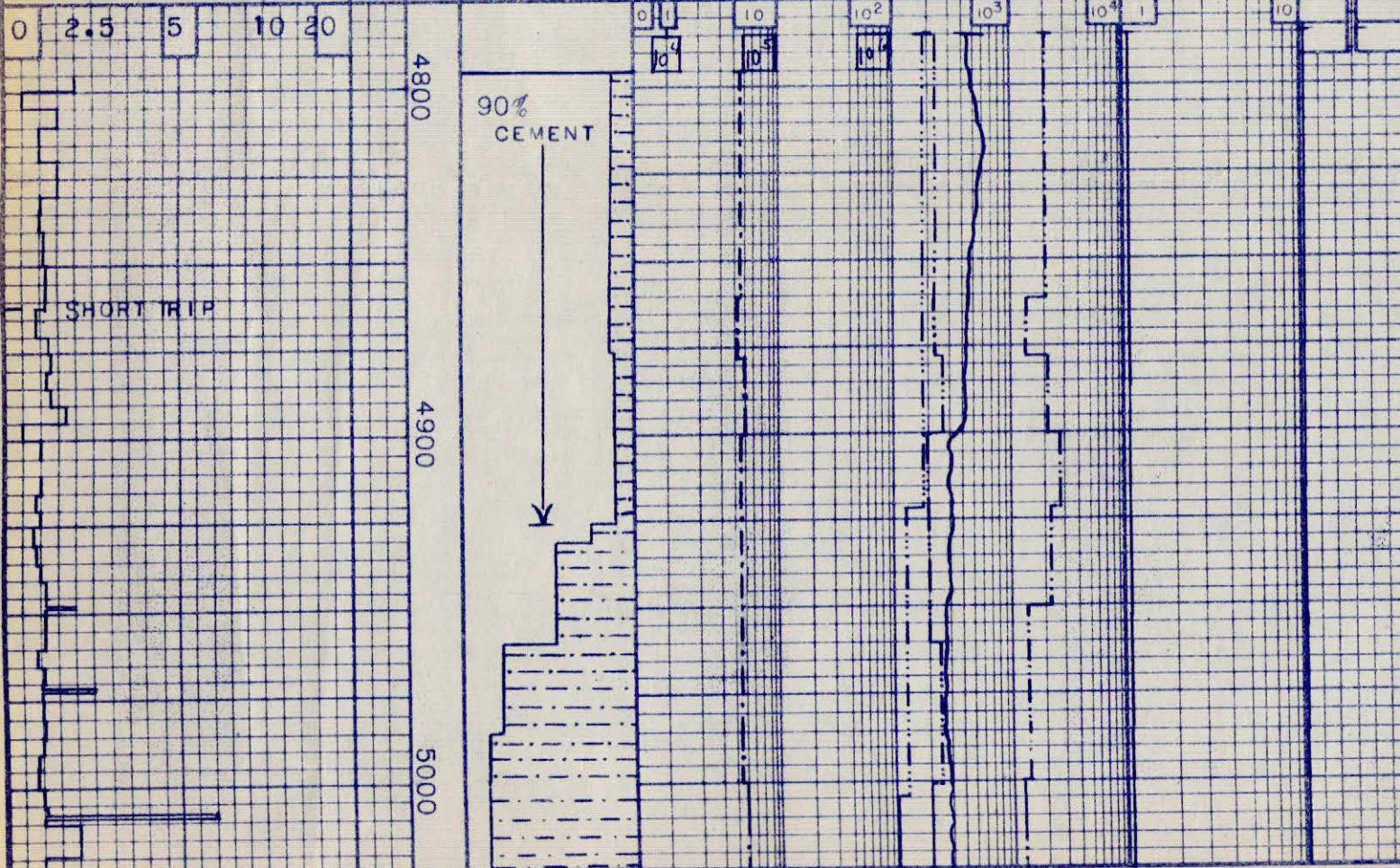
	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP

DRILLING RATE _____ MIN./FT. MUD WEIGHT _____ LBS/GAL. CHLORIDE EQUIV. _____ N _____ IN PPM _____ O _____ OUT PPM TYPE N88 DATE at 12:01 A.M.	POROSITY % 15 10-15 5-10	DEPTH	LITHOLOGY	MUD GAS HOTWIRE _____ RED UNITS METHANE C ₁ _____ 1 GREEN PPM ETHANE C ₂ _____ 2 BLUE PPM PROPANE C ₃ _____ 3 BROWN PPM BUTANE C ₄ _____ 4 ORANGE PPM PENTANE C ₅ _____ 5 YELLOW PPM	CUTTINGS GAS HOTWIRE _____ UNITS	ACID GAS H ₂ S _____ PPM CO ₂ _____ PPM
--	-----------------------------------	-------	-----------	---	--	---

DESCRIPTIONS & REMARKS
DST, MUD DATA



NOTE: HIGH GAS READINGS COMING FROM FIRST WELL

WHIPSTOCK HOLE #2
90% CEMENT, 10% GRY/DK GRY SHALEY SILTSTONE.

SURVEY- 3 1/4° AT 4862'

SURVEY- 3 1/2° S 65° E AT 4894'

SURVEY- 4° S 62° E AT 4927'

SILTSTONE: DOM. DK GRY, GRY-BRN, HD, OCC GRDG, CLN, SHALY, MINOR AMNTS LT GRY, SFTER.

4 1/4°; S 75° E

EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 S.T. #2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 2/25/75

LITHOLOGY

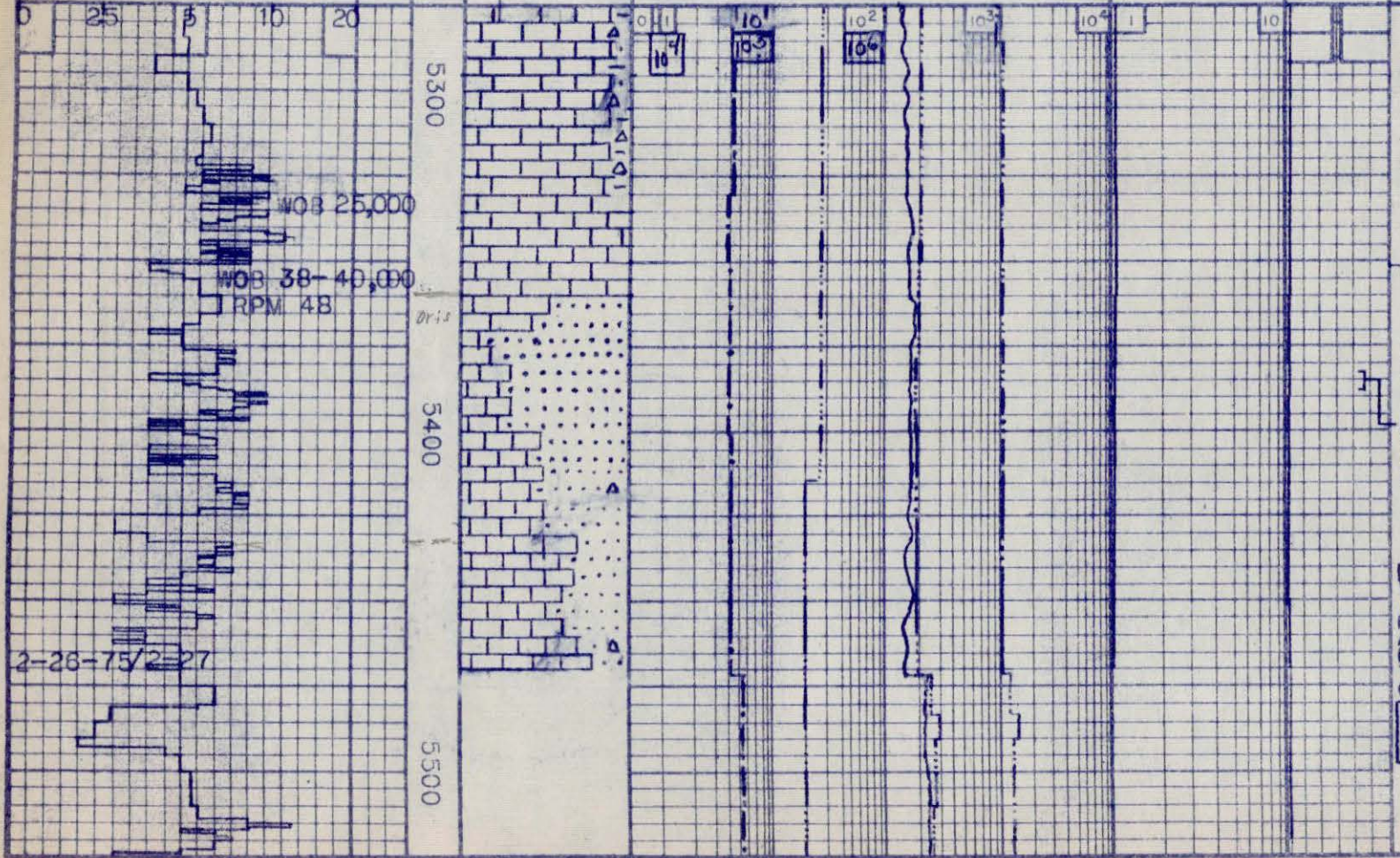
SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP

DRILLING RATE _____ MIN./FT. MUD WEIGHT _____ LBS/GAL. CHLORIDE EQUIV. _____ N _____ IN PPM _____ O _____ OUT PPM TYPE NB & DATE at 12:01 A.M.	POROSITY % 15-10 10-5	DEPTH	LITHOLOGY	MUD GAS HOTWIRE _____ RED UNITS METHANE C1 _____ 1 GREEN PPM CI BACKUP ETHANE C2 _____ 2 BLUE PPM PROPANE C3 _____ 3 BROWN PPM BUTANE C4 _____ 4 ORANGE PPM PENTANE C5 _____ 5 YELLOW PPM	CUTTINGS GAS HOTWIRE _____ UNITS	ACID GAS H2S _____ PPM CO2 _____ PPM
---	-----------------------------	-------	-----------	--	--	--

DESCRIPTIONS & REMARKS
DST, MUD DATA



LS: CRMY BRN, GRY, TAN, VHD, VFNLY XLN, FLAKY, TO BLOCKY FRAGS, W/OCC ASSOC FREE, WHT, ANG CHERT

SS: CLR TO WHT, VF-F, HD, SUBRD TO SUBANG, WELL CMNTD, MOD CALC, W/SCAT, WHT TO MED GRY, MOD CALC V GLAUCONITIC.

LS: DOM GRY-BRN, SUCROSIC TO MICROXLN, GLAUC, W/SCAT, ABUN FN/CRSE, SUBANG SD, CLASTS, GRDG TO V CALC SS.

LS: PRED MED GRAY WITH VAR AMTS BROWN, HARD, IN PART SUCROSIC, DOM FINE GRAIN, WITH MINOR AMTS COARSER, OCC MICRO & YLN, DECREASING SAND, TRACE AMTS ANGULAR FRAG CHERT.

NOTE: DISCONTINUE SAMPLES DUE TO HIGH GAS AT ROCKET.

2-26-75/2-27

EXXON COMPANY, U. S. A.


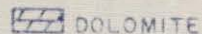
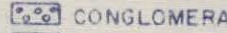
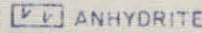


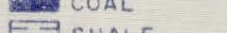





WELL W.W. MCCOY #1 S.T. #2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

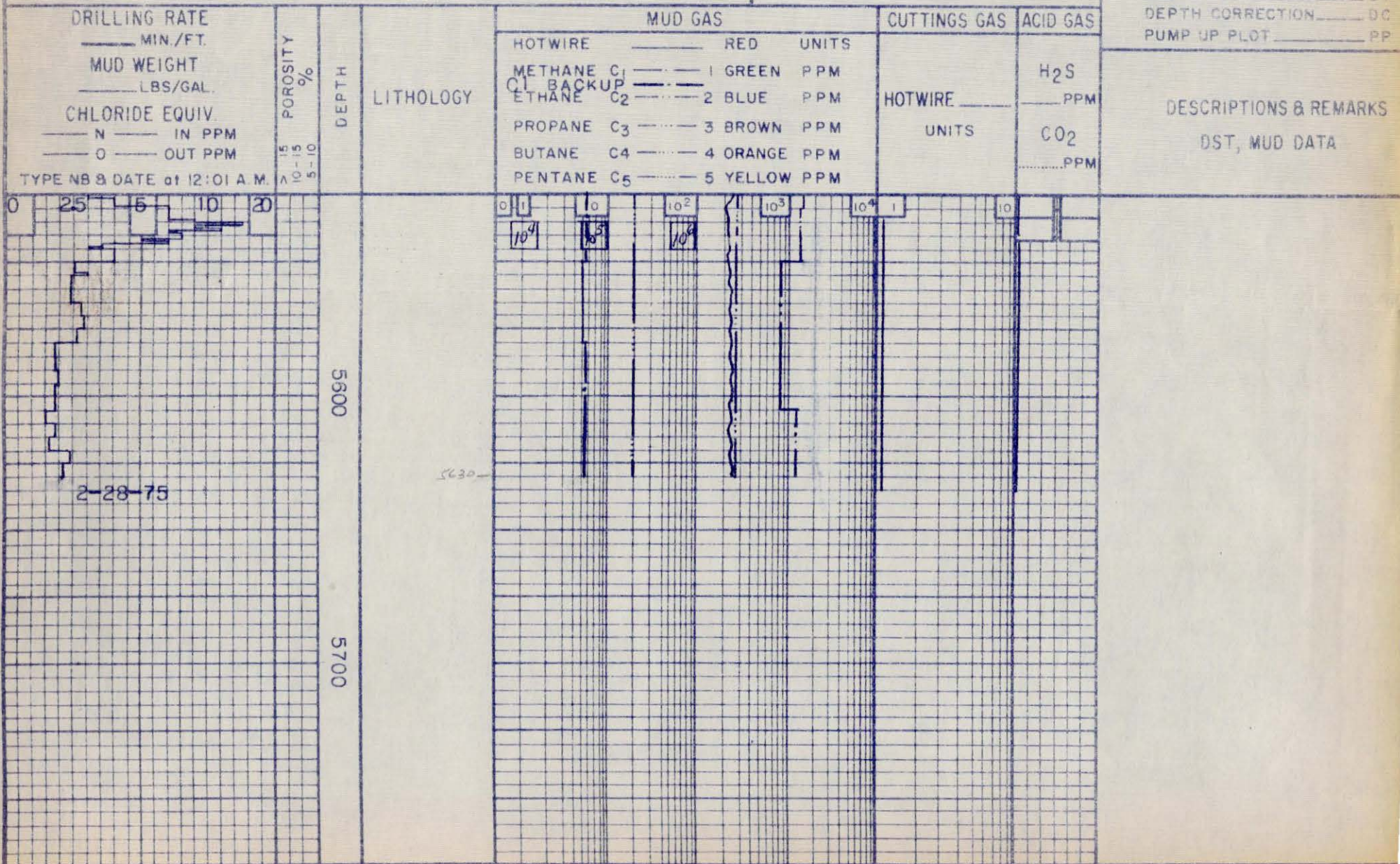
DATE 2/27/75

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 S.T., #2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

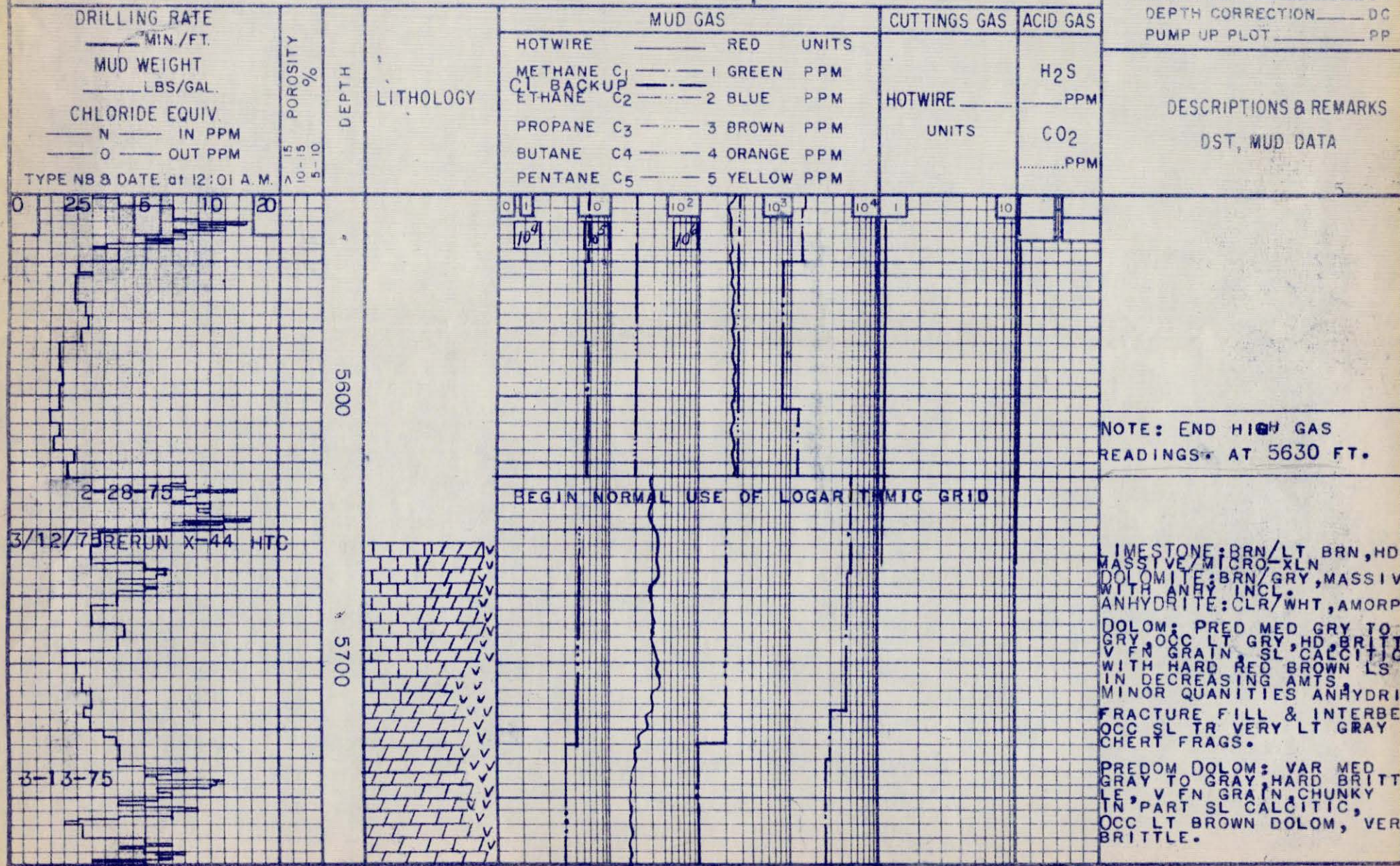
DATE 2/27/75

LITHOLOGY

SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL WW MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VA.

LOGGING COMPANY EXPLORATION

DATE MARCH 12, 1975

LITHOLOGY	
	SANDSTONE
	CONGLOMERATE
	SILTSTONE
	COAL
	SHALE
	LIMESTONE
	DOLOMITE
	ANHYDRITE
	SALT
	CHERT
	BASEMENT

ABBREVIATIONS	
DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP

DRILLING RATE
X MIN./FT.
 MUD WEIGHT
 _____ LBS/GAL.
 CHLORIDE EQUIV.
 _____ N _____ IN PPM
 _____ Q _____ OUT PPM
 TYPE NB & DATE of 12:01 A.M.

POROSITY %
 15-10
 5-10

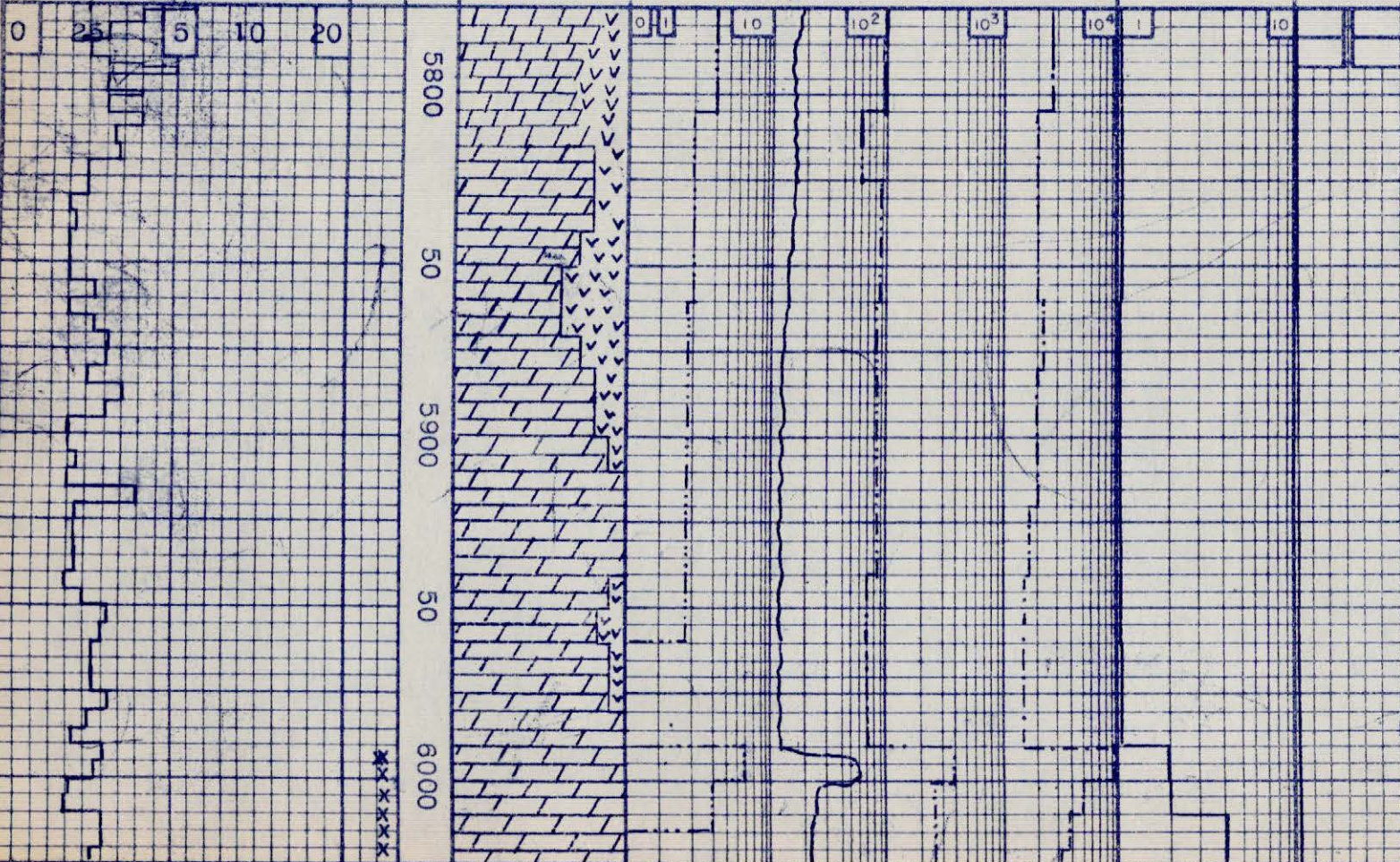
DEPTH

LITHOLOGY

MUD GAS
 HOTWIRE _____ RED UNITS
 METHANE C₁ _____ 1 GREEN PPM
 ETHANE C₂ _____ 2 BLUE PPM
 PROPANE C₃ _____ 3 BROWN PPM
 BUTANE C₄ _____ 4 ORANGE PPM
 PENTANE C₅ _____ 5 YELLOW PPM

CUTTINGS GAS
 HOTWIRE _____
 UNITS _____
 ACID GAS
 H₂S _____ PPM
 CO₂ _____ PPM

DESCRIPTIONS & REMARKS
 DST, MUD DATA



DOLOMITE: LT BRN, OCC GRY
 DENSE/MICRO-XLN WITH
 ANHY INCL. OCC DK BRN/BLK
 DENSE DOLO.

NO H₂S INDICATED

DOLOMITE: BRN/LT BRN MICR
 XLN MICRO XLN OCC WITH
 PRIMARY SUCROSSIC POR.

EXXON COMPANY, U. S. A.

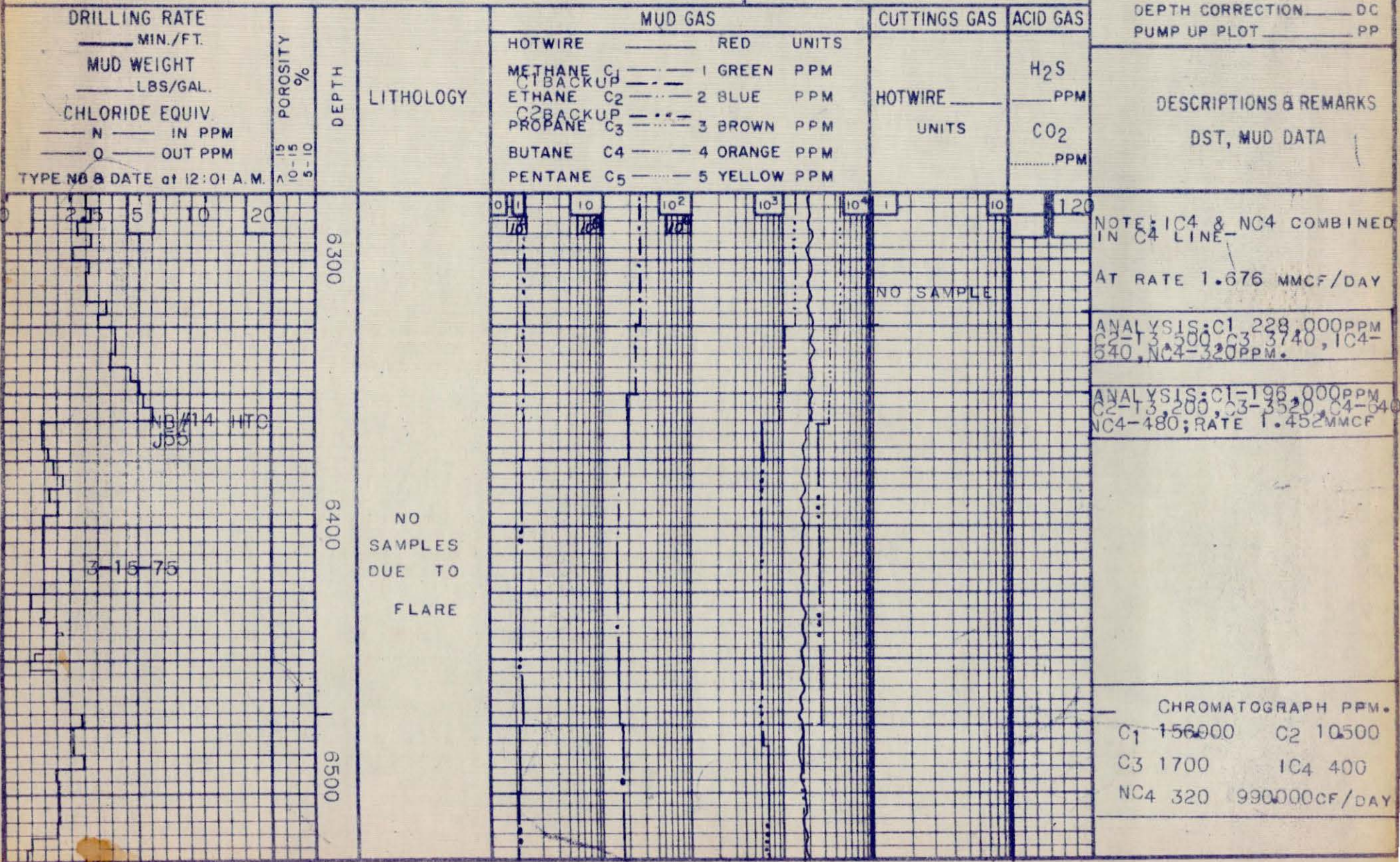
WELL W.N. MCCOY #1 ST#2
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 3/14/75

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	---
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



NB/14 HITC
JDS

3-15-75

EXXON COMPANY, U.S.A.

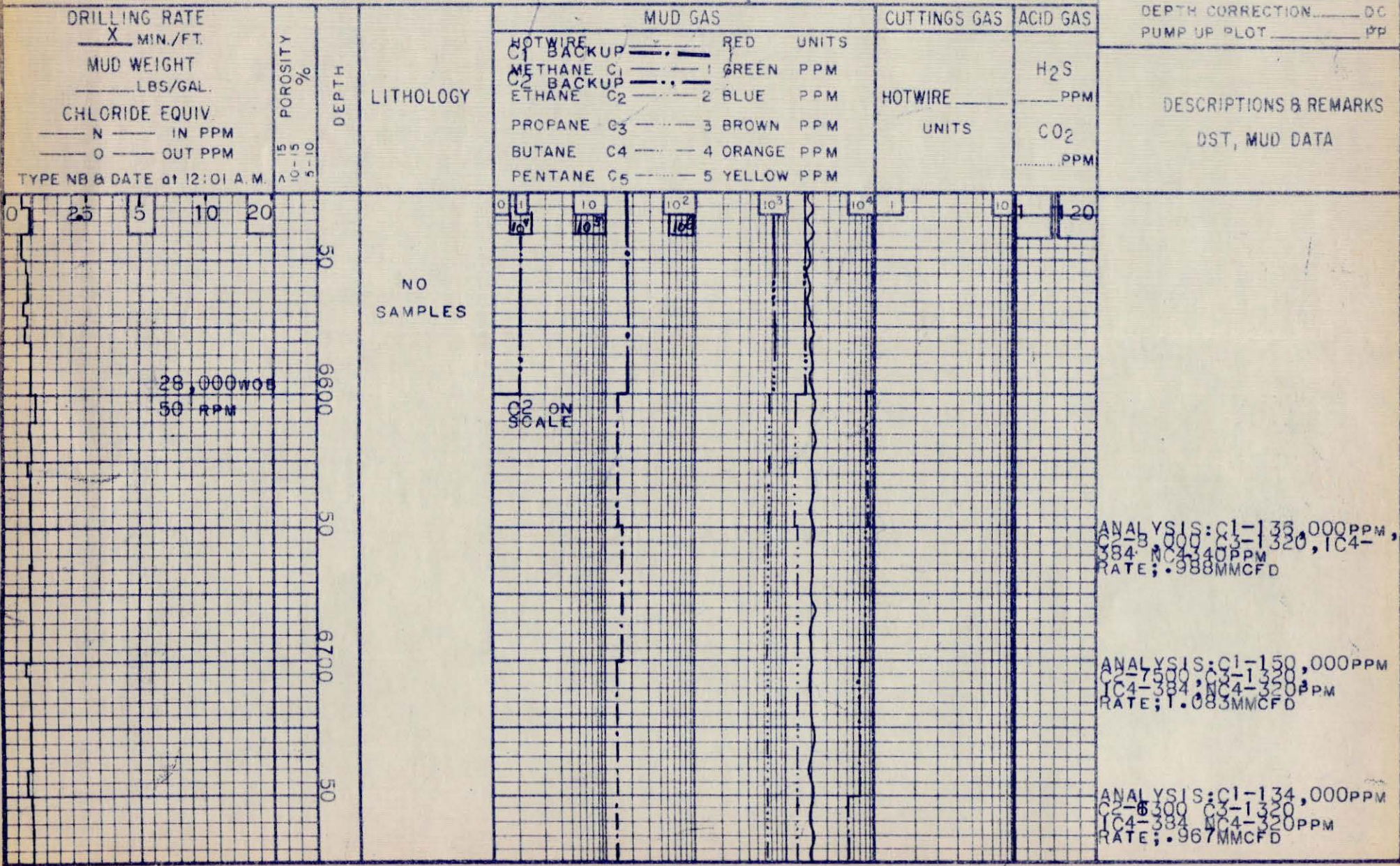
WELL WW MCGOY #1 ST#2
 COUNTY JACKSON STATE WEST VA.
 LOGGING COMPANY EXPLORATION
 DATE MARCH 15, 1975

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
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CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W.W.MCCOY#1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

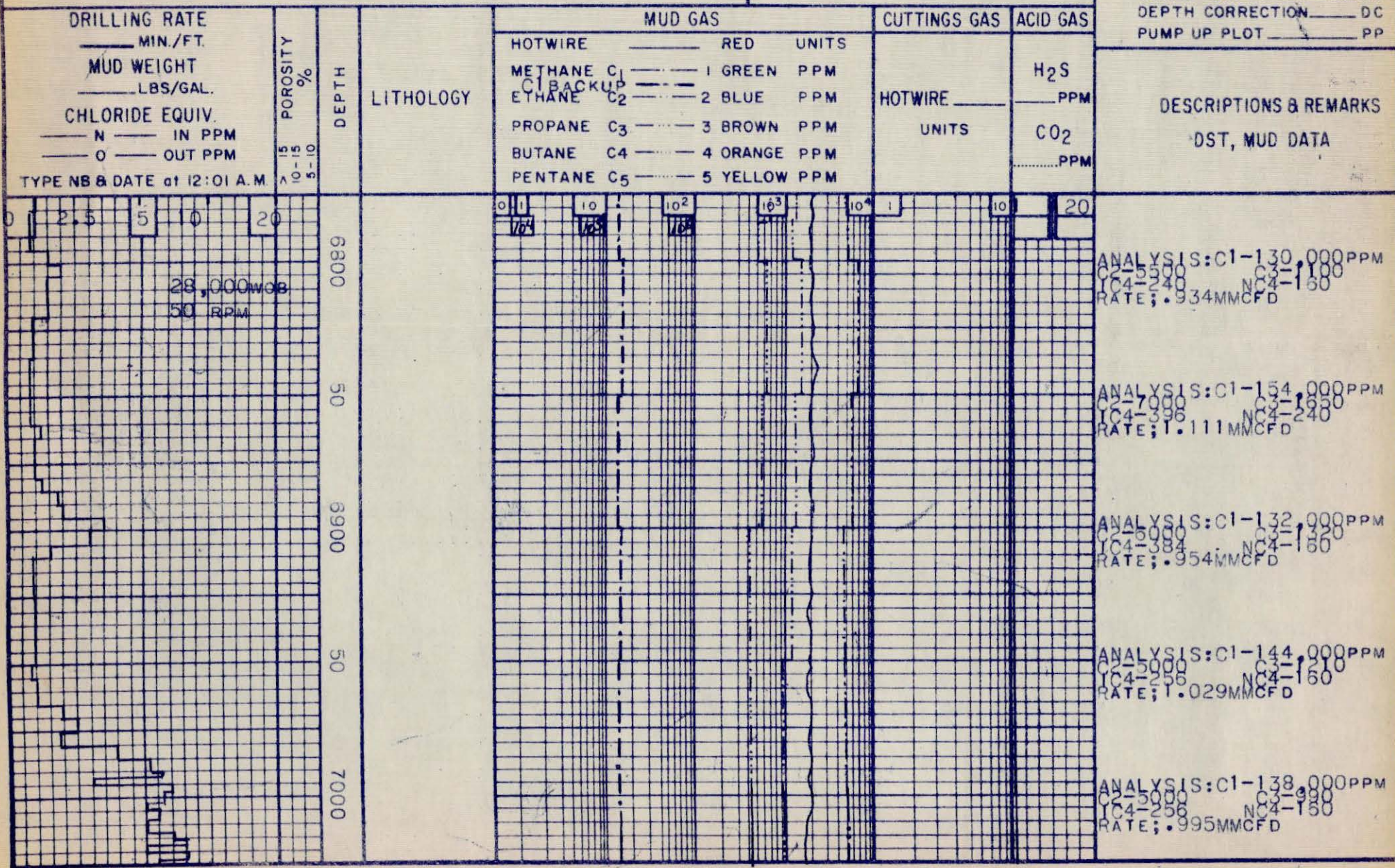
DATE 3/15/75

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



28,000 wob
50 RPM

EXXON COMPANY, U. S. A.

WELL WW MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VA.

LOGGING COMPANY EXPLORATION

DATE MARCH 15, 1975

#10

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- | | |
|-------------------|-----|
| DRILL STEM TEST | DST |
| LOGGED AFTER TRIP | LAT |
| TRIP GAS | |
| CONNECTION GAS | |
| NEW BIT | NB |
| CORE BIT | CB |
| CIRCULATED OUT | CO |
| NO RETURNS | NR |
| SLOPE TEST | ST |
| DEPTH CORRECTION | DC |
| PUMP UP PLOT | PP |

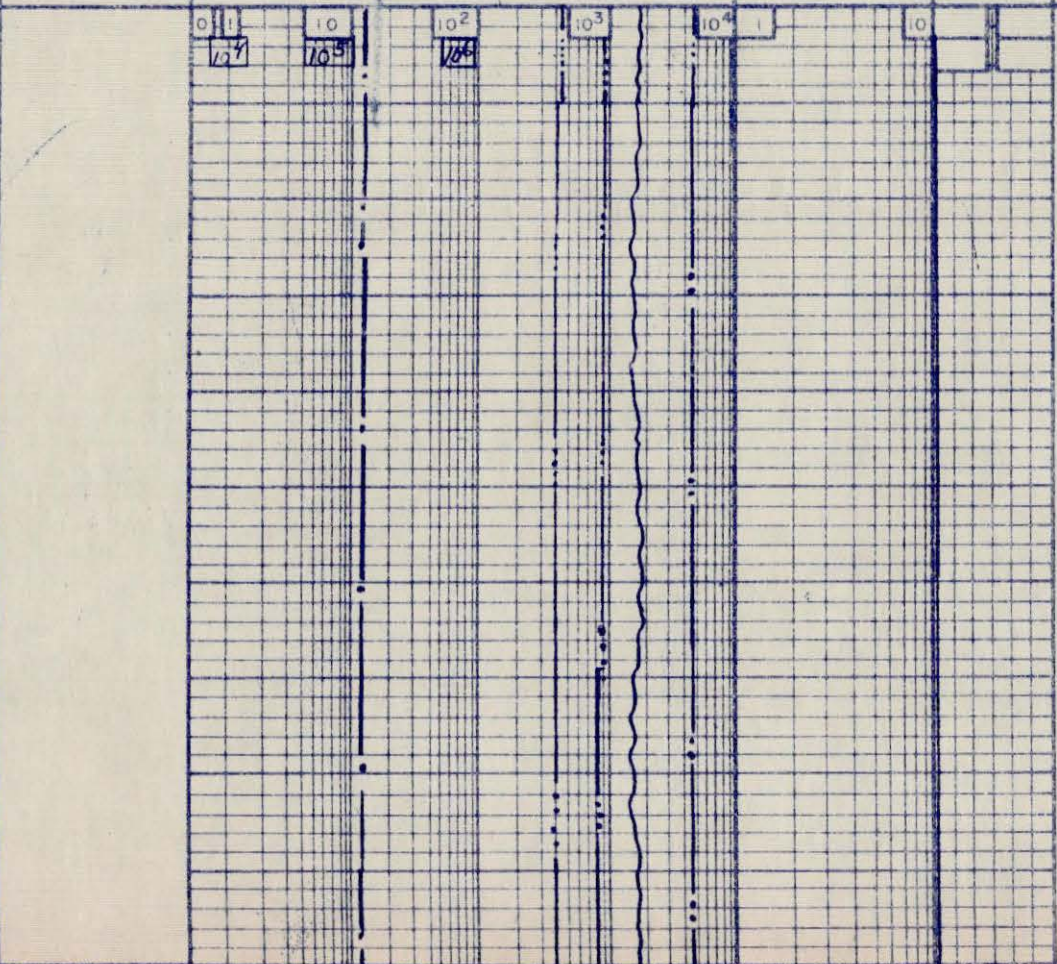
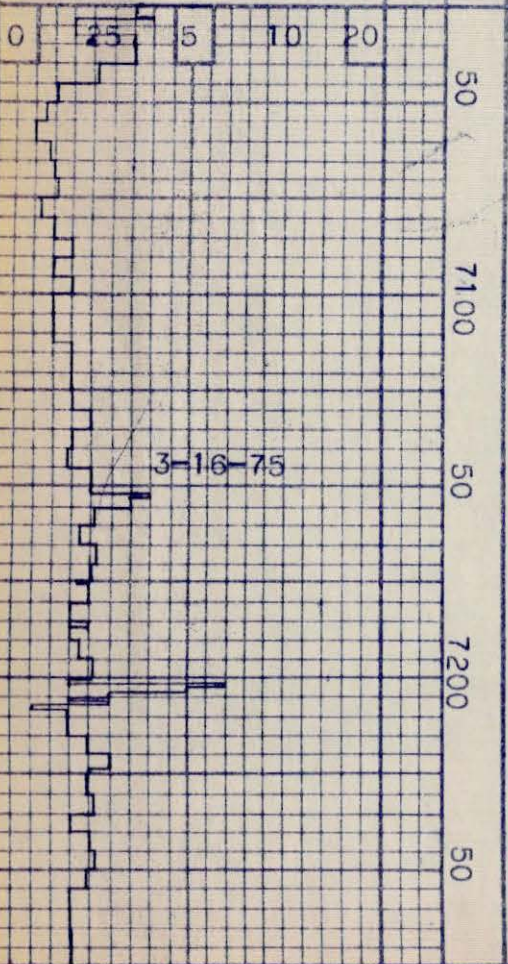
DRILLING RATE X MIN./FT.
MUD WEIGHT _____ LBS/GAL.
CHLORIDE EQUIV. _____ IN PPM
_____ OUT PPM
TYPE NB & DATE of 12:01 A.M.

POROSITY %
15-15
10-10
5-10

MUD GAS
HOTWIRE _____ RED UNITS
C1 BACKUP _____ GREEN PPM
METHANE C1 _____ 1 GREEN PPM
ETHANE C2 _____ 2 BLUE PPM
PROPANE C3 _____ 3 BROWN PPM
BUTANE C4 _____ 4 ORANGE PPM
PENTANE C5 _____ 5 YELLOW PPM

CUTTINGS GAS
HOTWIRE _____
UNITS _____
ACID GAS
H2S _____ PPM
CO2 _____ PPM

DESCRIPTIONS & REMARKS
DST, MUD DATA



ANALYSIS: C1 120000
C2 4500 C3 880
1C4 240 NC4 160
.87 MM CU FT/DAY.

2 3/4 DEGEES DEVIATION
AT 7146FT.

ANALYSIS: C1 122000
C2 4500 C3 880
1C4 250 NC4 160
.88 MM CU FT/DAY.

ANALYSIS: C1 120000
C2 4500 C3 800
1C4 250 NC4 150
.87 MM CU FT/DAY.

EXXON COMPANY, U. S. A.

WELL WW MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VA.

LOGGING COMPANY EXPLORATION

DATE MARCH 16, 1975

LITHOLOGY

SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABBREVIATIONS

DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____
 CONNECTION GAS _____
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP

DRILLING RATE <u>X</u> MIN./FT. MUD WEIGHT ____ LBS./GAL. CHLORIDE EQUIV. ____ N ____ IN PPM ____ O ____ OUT PPM TYPE NB & DATE at 12:01 A.M.		POROSITY % 15-10-5	DEPTH	LITHOLOGY	MUD GAS					CUTTINGS GAS	ACID GAS	DESCRIPTIONS & REMARKS DST, MUD DATA	
HOTWIRE C1 BACKUP METHANE C1 ETHANE C2 PROPANE C3 BUTANE C4 PENTANE C5					RED GREEN BLUE BROWN ORANGE YELLOW	UNITS PPM PPM PPM PPM PPM	HOTWIRE UNITS	H2S PPM CO2 PPM					
0	25	5	10	20	0	10	10 ²	10 ³	10 ⁴	10	1	20	ANALYSIS: C1-114,000PPM C2-4500 C3-880 IC4-240 NC4-160 RATE; .811MMCFD
28,000WOB 50RPM													ANALYSIS: C1-112,000PPM C2-4000 C3-990 IC4-240 NC4-160 RATE; .797MMCFD
													ANALYSIS: 112,000C1.PPM C2-4500 C3-880 IC4-240 NC4-160 RATE; .797MMCFD
													ANALYSIS: C1-110,000PPM C2-4500 C3-880 IC4-240 NC4-160 RATE; .797MMCFD SAMPLE AT 7520; SHALE, RUST BRN/RED, ARENACEOUS MOD INDURATED, BLKY, SILT
													ANALYSIS: C1-112,000PPM C2-4500 C3-880 IC4-240 NC4-160 RATE; .797MMCFD

EXXON COMPANY, U. S. A.

WELL W.W.MCCOY#1 ST#2

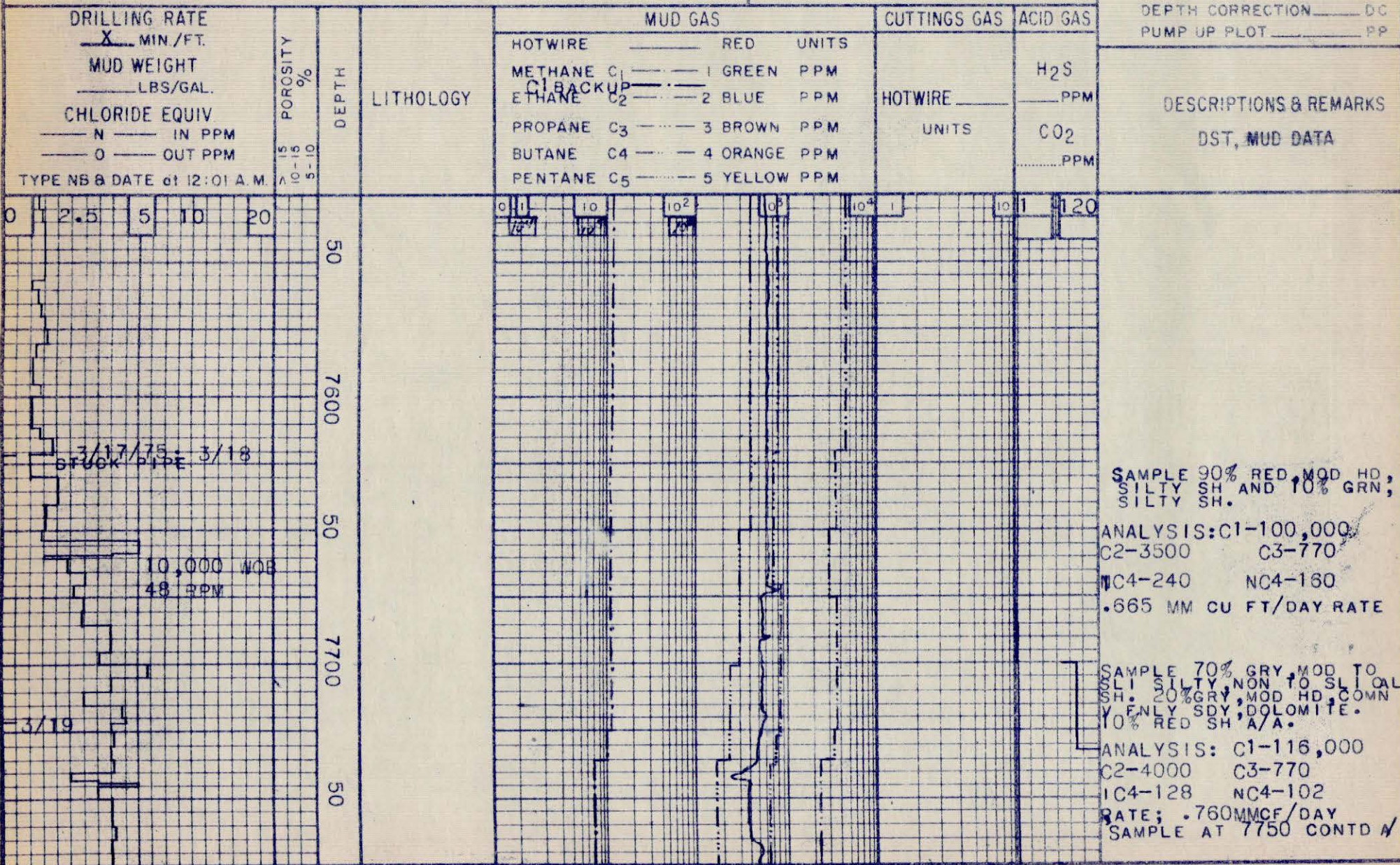
COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 3/16/75

LITHOLOGY	
SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABREVIATIONS	
DRILL STEM TEST	DST
LOGGED AFTER TRIP	SLAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W. N. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 3/19/75

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____
 CONNECTION GAS _____
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP

DRILLING RATE <u>X</u> MIN./FT. MUD WEIGHT ____ LBS/GAL. CHLORIDE EQUIV. <u>N</u> IN PPM <u>O</u> OUT PPM TYPE NB & DATE at 12:01 A.M.	POROSITY % 15 10-15 5-10	DEPTH	LITHOLOGY	MUD GAS					CUTTINGS GAS	ACID GAS	DESCRIPTIONS & REMARKS DST, MUD DATA
				HOTWIRE	RED	UNITS	HOTWIRE	H ₂ S	CO ₂		
				METHANE C ₁ _____ 1 GREEN PPM C ₁ BACKUP _____ ETHANE C ₂ _____ 2 BLUE PPM PROPANE C ₃ _____ 3 BROWN PPM BUTANE C ₄ _____ 4 ORANGE PPM PENTANE C ₅ _____ 5 YELLOW PPM							
0 25 5 10 20		7800		0.11 10 ¹	10 ²	10 ³	10 ⁴	10			ANALYSIS: C1-80,000 C2-4000 C3-770 IC4-120 NC4-80 RATE; .538MMCF/DAY
		50									SHALE & SILTSTONE: GRY, MOD INDURATED, V CALG, BLKY DOLOMITE: GRY, MASSIVE/DENS SILTY IN PART. ANALYSIS: C1-104,000PPM C2-3250 C3-1320 IC4-192 NC4-160 RATE; .691MMCFD
		7900									ANALYSIS: C1-98,000PPM C2-3500 C3-1320 IC4-128 NC4-80 RATE; .653MMCFD
		50									ANALYSIS: C1-98,000PPM C2-3600 C3-715 IC4-128 NC4-80 LIMESTONE: DK GRY/SMKY, RE-XLISED MEGA-FOSS SHALE: GRY, MOD IND, V CALG
		8000									ANALYSIS: C1-100,000PPM C2-3500 C3-715 IC4-128 NC4-80 RATE; .665MMCFD

EXXON COMPANY, U. S. A.

WELL W.W.MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

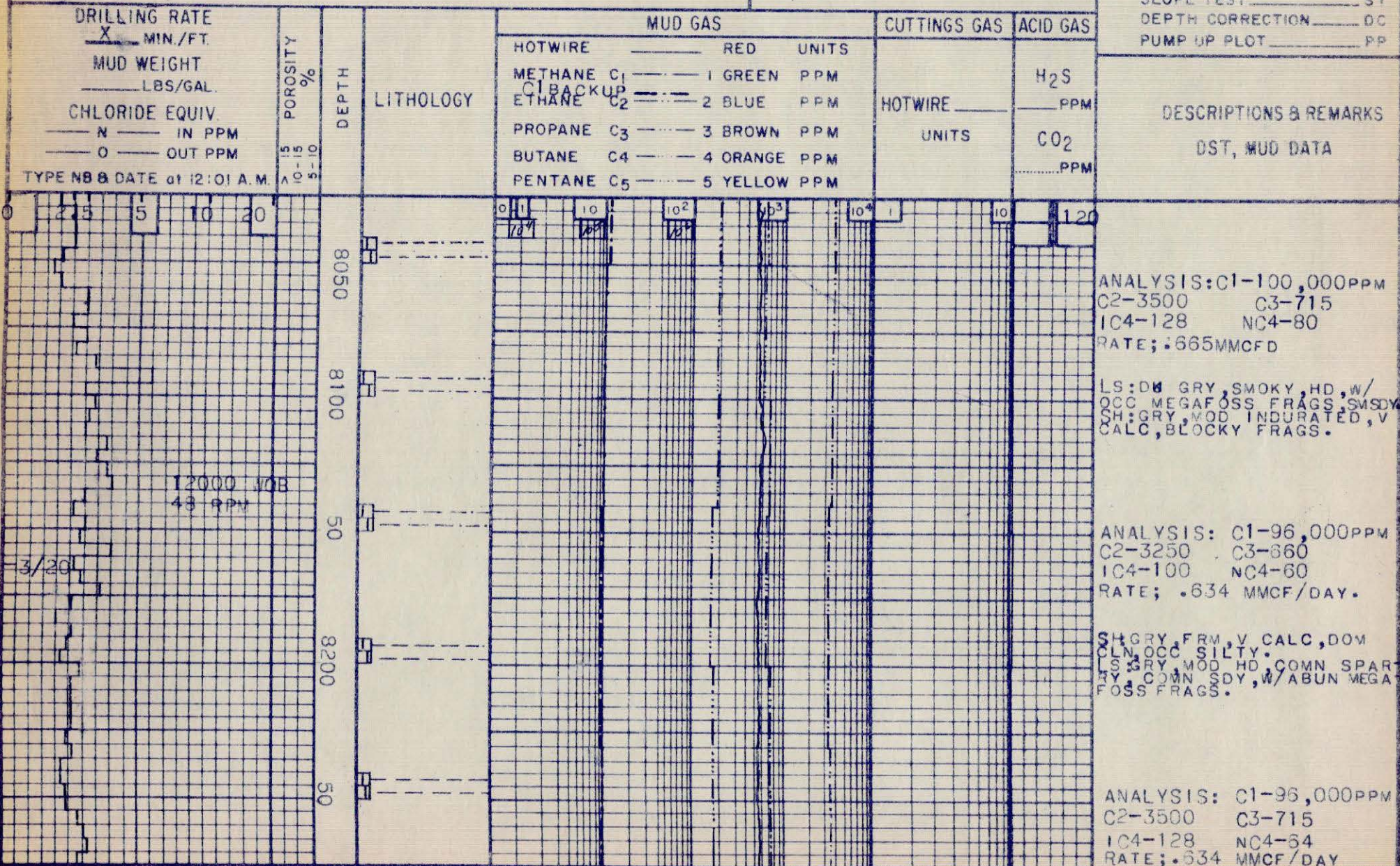
DATE 3/19/75

LITHOLOGY

SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABBREVIATIONS

DRILL STEM TEST	_____	DST
LOGGED AFTER TRIP	_____	LAT
TRIP GAS	_____	
CONNECTION GAS	_____	
NEW BIT	_____	NB
CORE BIT	_____	CB
CIRCULATED OUT	_____	CO
NO RETURNS	_____	NR
SLOPE TEST	_____	ST
DEPTH CORRECTION	_____	DC
PUMP UP PLOT	_____	PP



EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

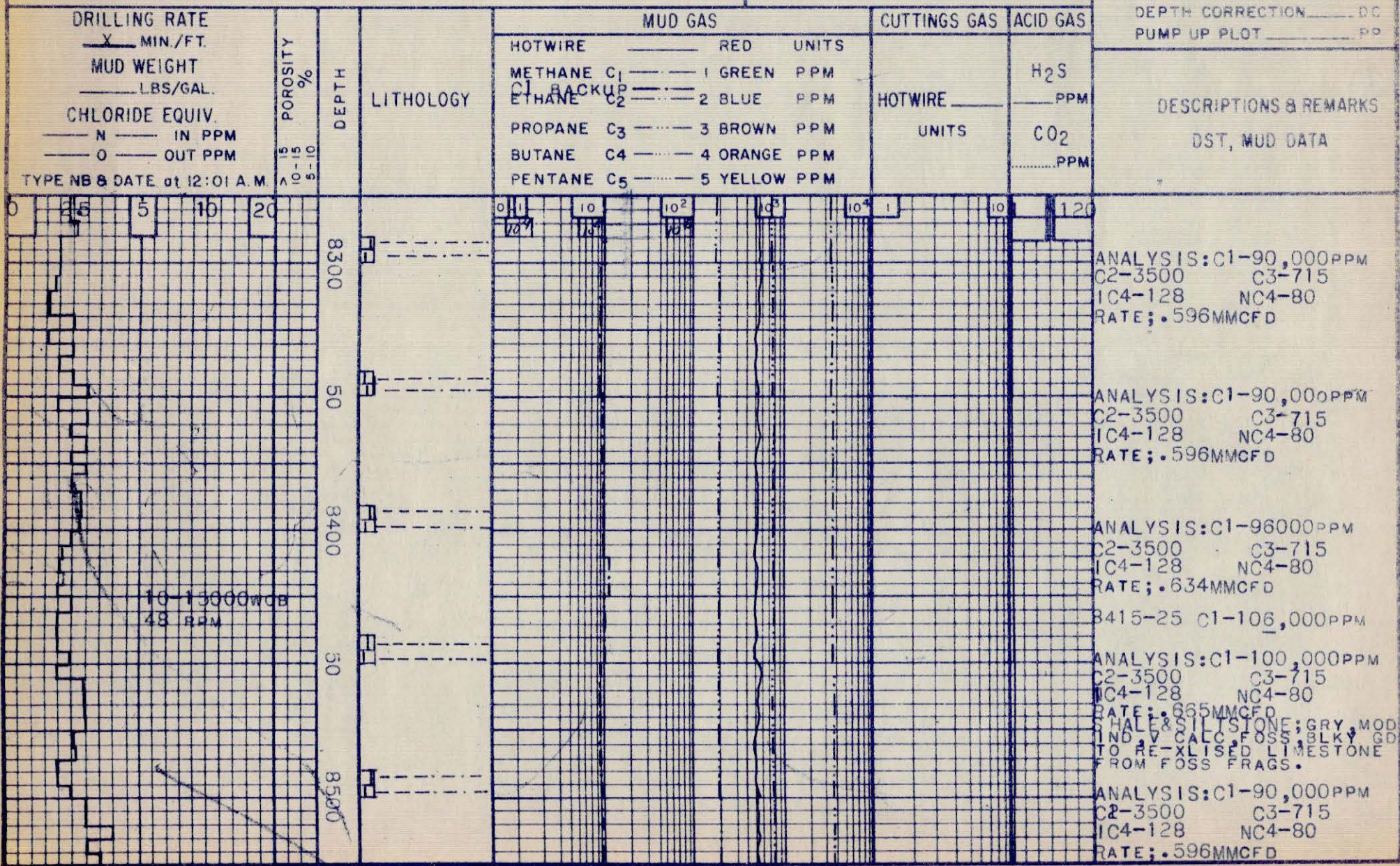
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LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



10-15000WCB
48 PPM

EXXON COMPANY, U. S. A.

WELL W.W.MCCOY#1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

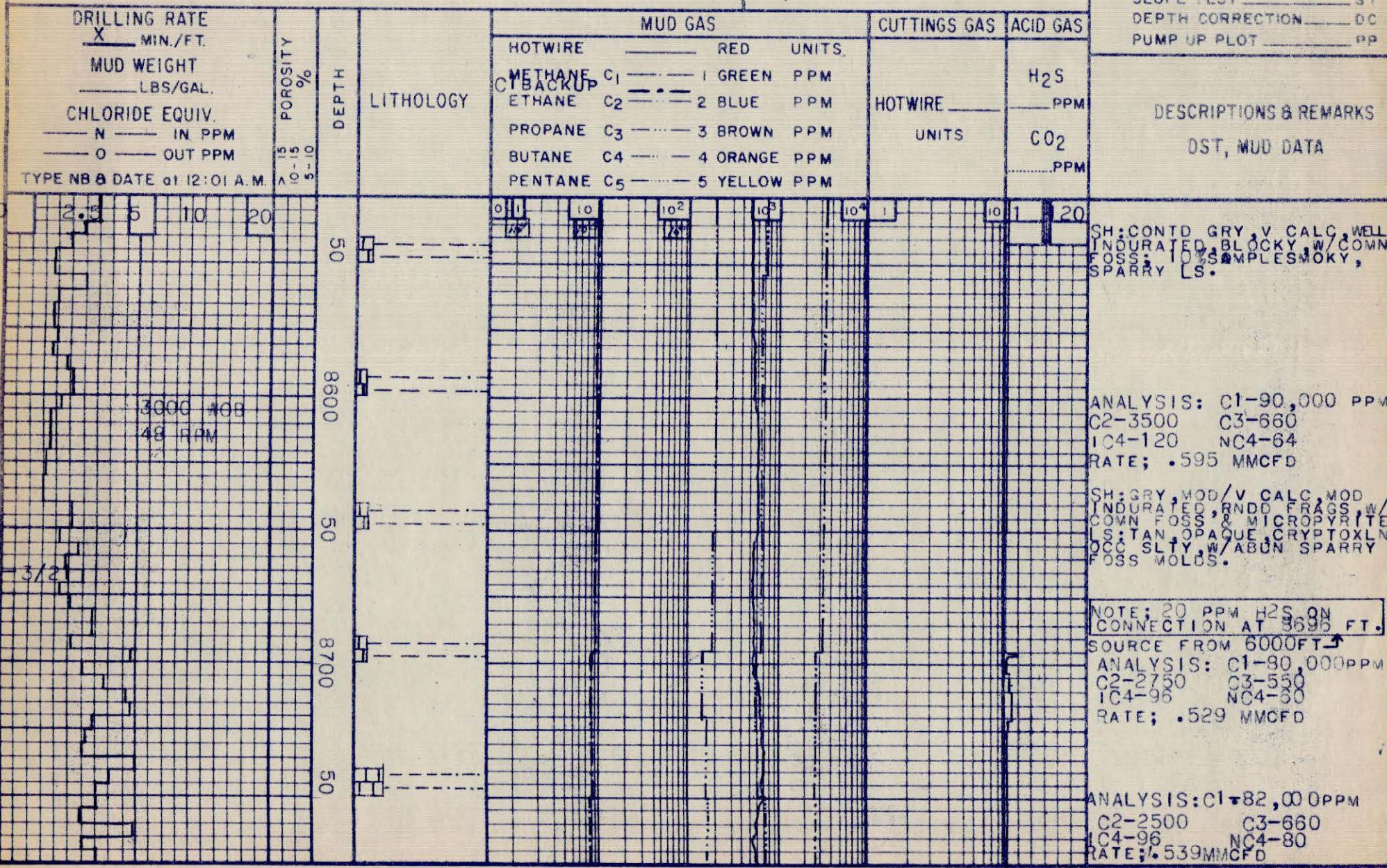
DATE 3/20/75

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



3000 #OB
48 RPM

EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

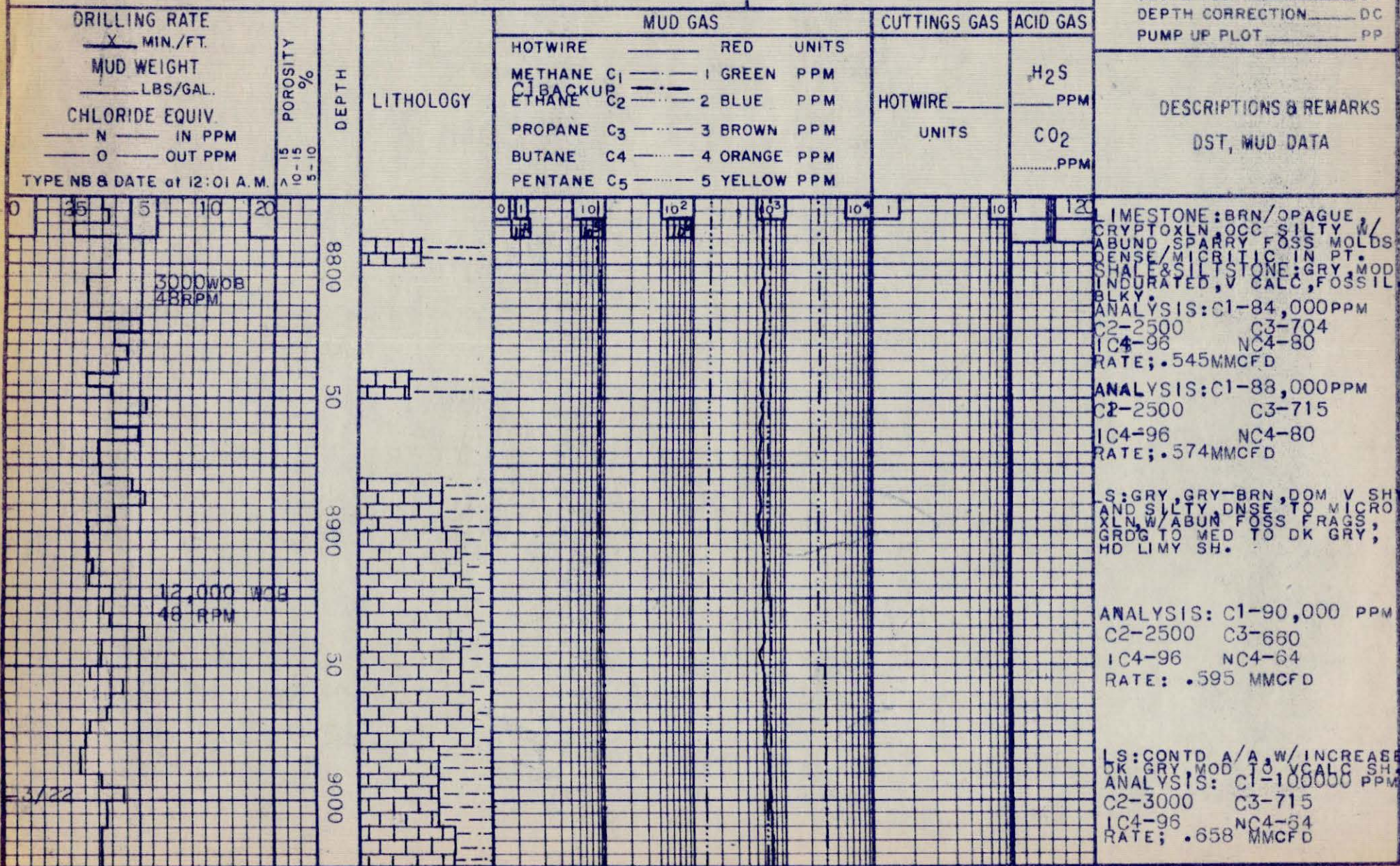
COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 3/21/75

LITHOLOGY	
	SANDSTONE
	CONGLOMERATE
	SILTSTONE
	COAL
	SHALE
	LIMESTONE
	DOLOMITE
	ANHYDRITE
	SALT
	CHERT
	BASEMENT

ABBREVIATIONS	
DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



3/22

EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

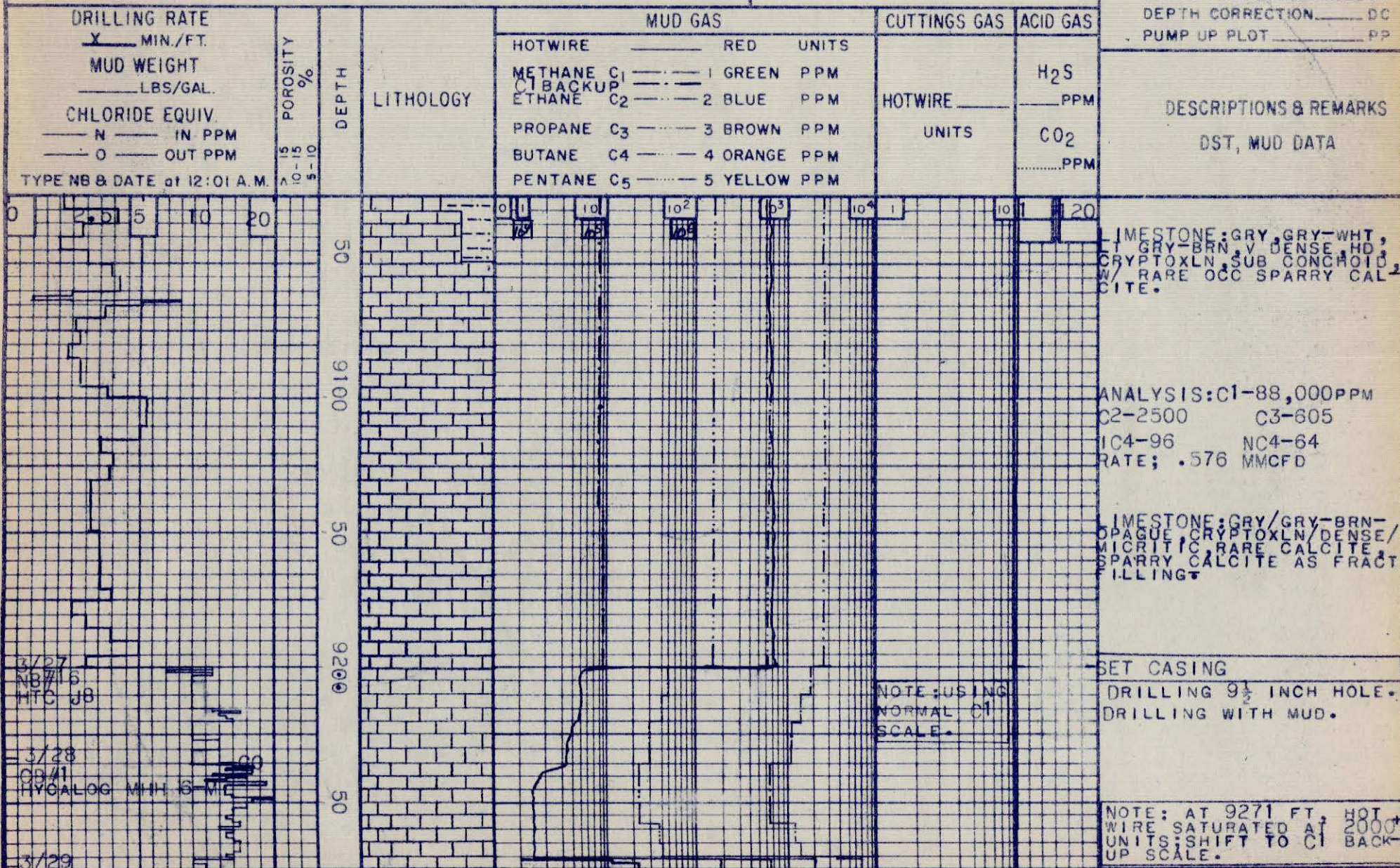
DATE 3/22/75

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____
 CONNECTION GAS -----
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP



3/27
NB#16
MFC JB

3/28
CB#1
HYGALOG MHI 6 MFC

3/29

EXXON COMPANY, U. S. A.

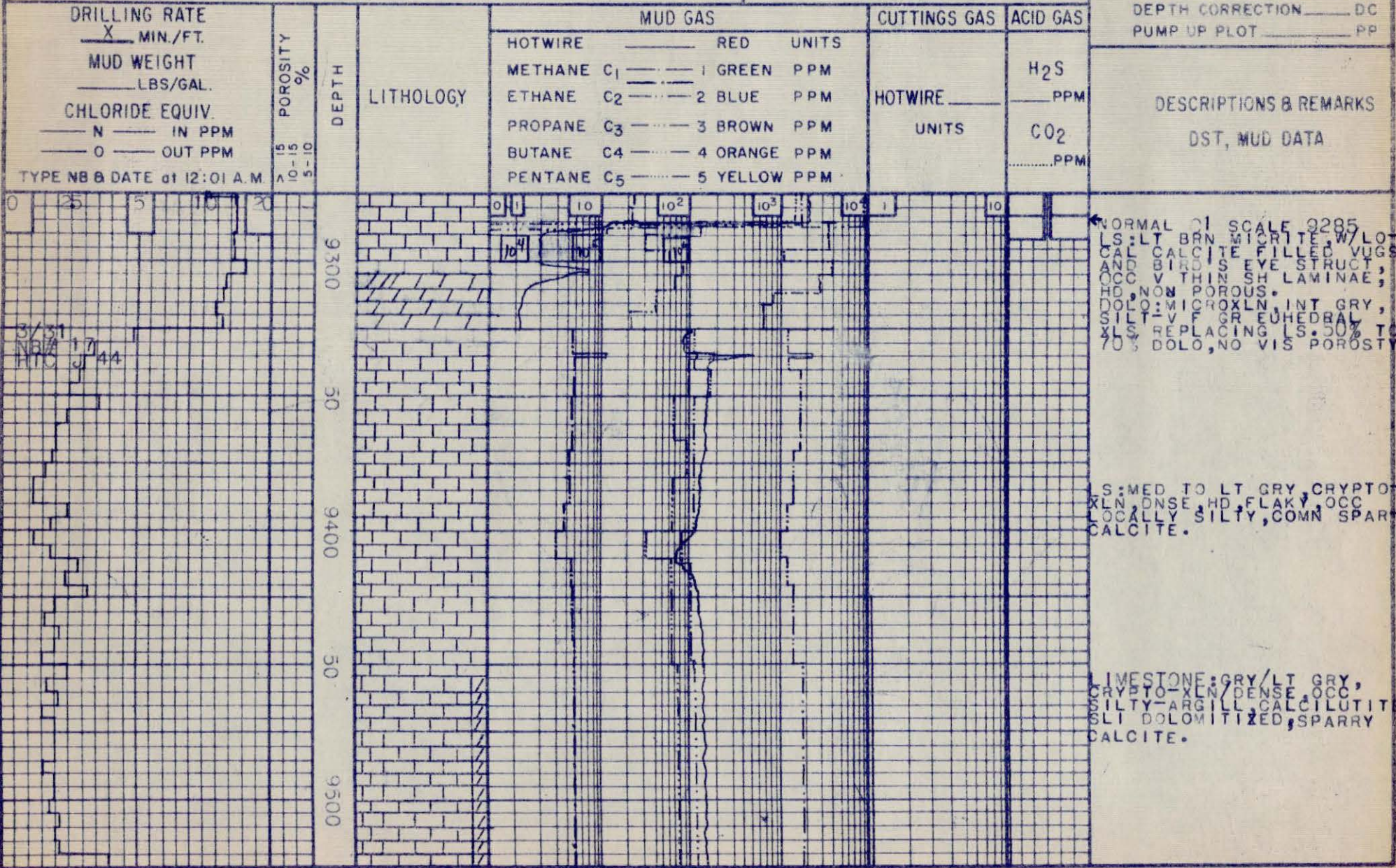
WELL A.W. MCCOY #1 ST#2
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 3/29/75

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



3/31
NB/A 17
HTC J 44

EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

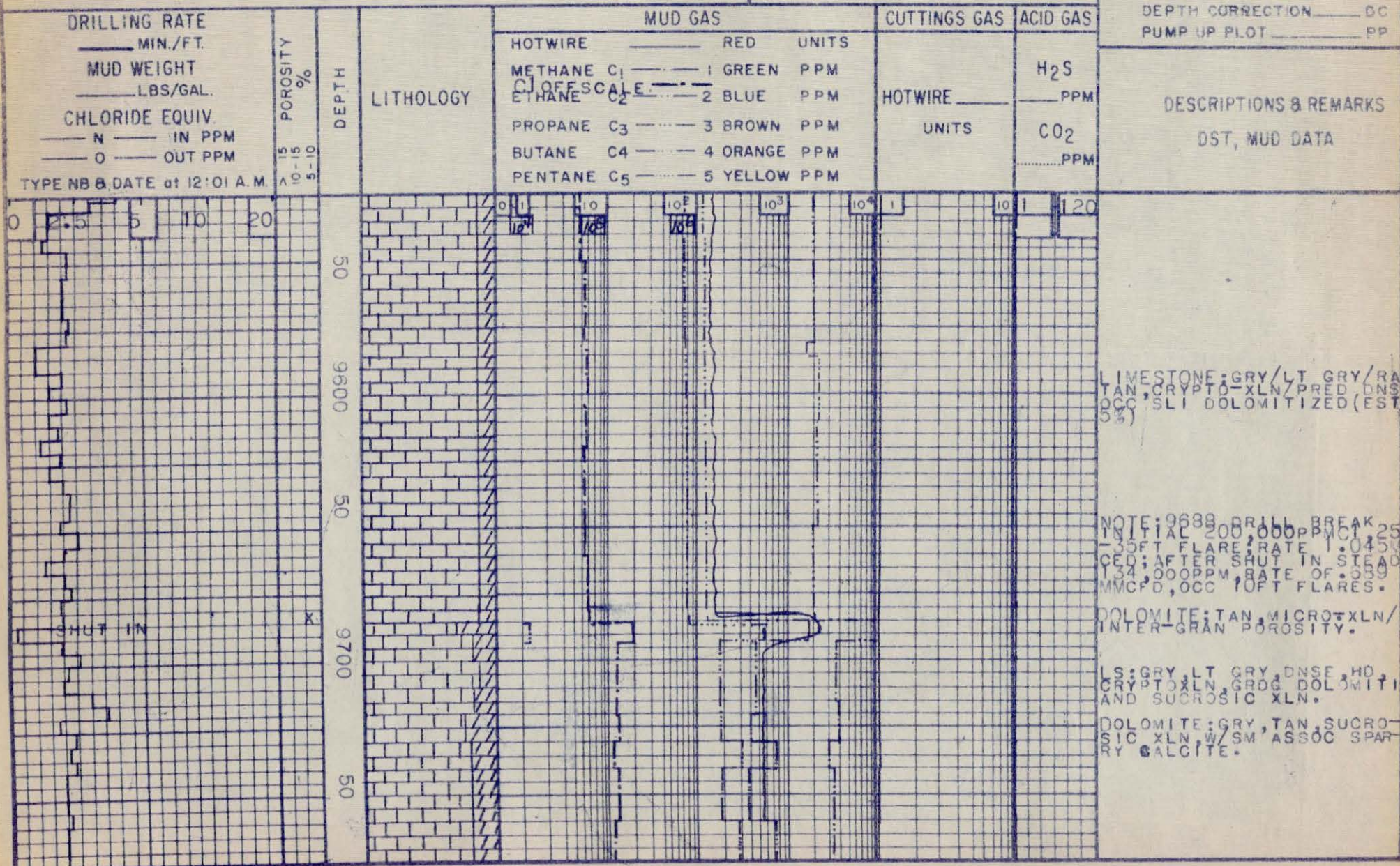
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LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



DESCRIPTIONS & REMARKS
DST, MUD DATA

LIMESTONE: GRY/LT GRY/RAR TAN, CRYPTO-XLN/PRED DNS (5%) SLI DOLOMITIZED (EST)

NOTE: 9688 DRILL BREAK INITIAL 200,000 PPM C1, 2500 PPM C2, 50 FT FLARE, RATE 1.045 MDCD; AFTER SHUT IN STEADY 134,000 PPM, RATE OF 0.339 MDCD, OCC 10 FT FLARES.

DOLOMITE: TAN, MICRO-XLN/INTER-GRAN POROSITY.

LS: GRY, LT GRY, DNSE HD CRYPTO-XLN, GRDG DOLOMITIC AND SUCRO-SIC XLN.

DOLOMITE: GRY, TAN, SUCRO-SIC XLN, W/SM ASSOC SPARRY CALCITE.

EXXON COMPANY, U. S. A.

WELL W. W. MCCOY, #1 ST#2

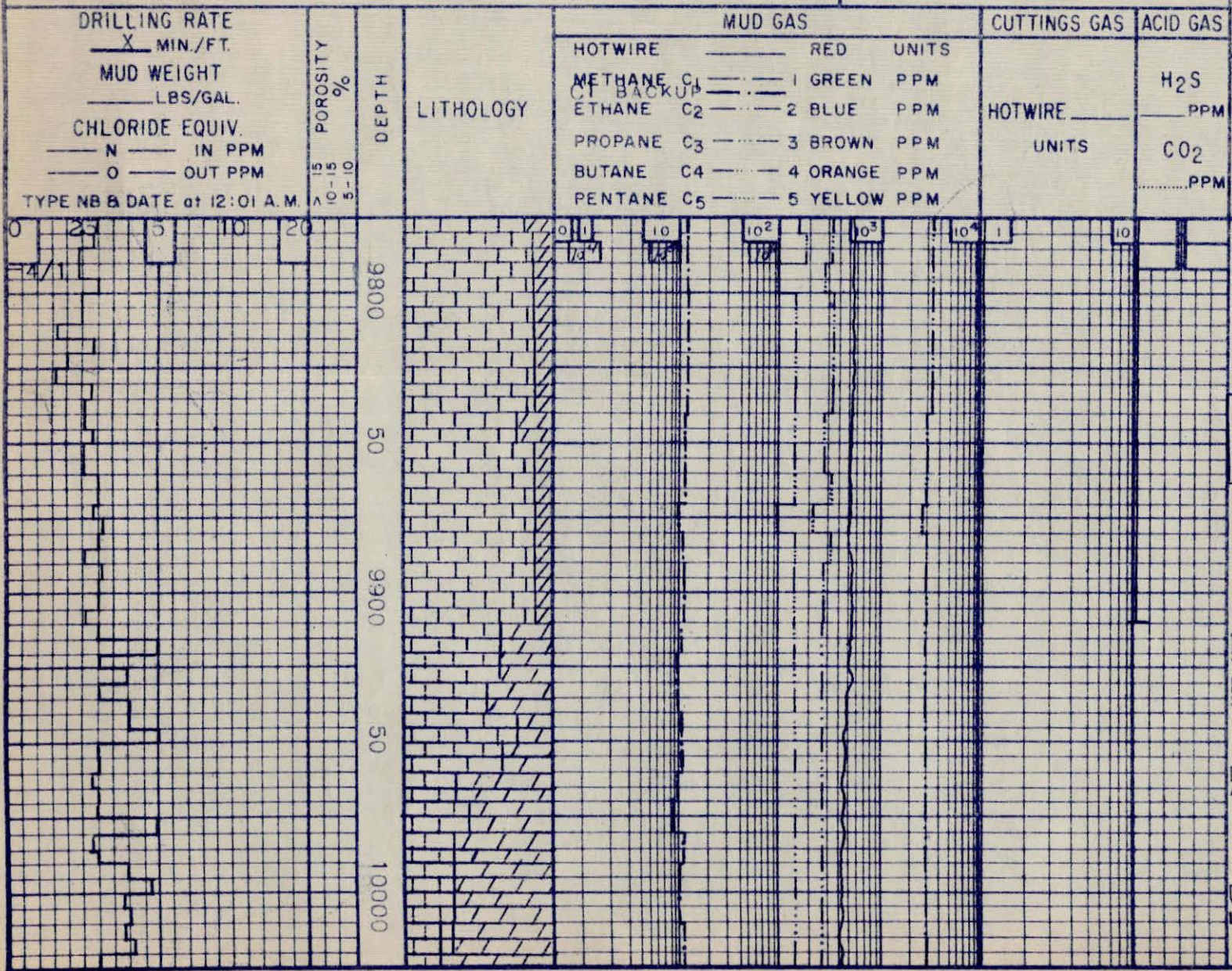
COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 3/31/75

LITHOLOGY	
	SANDSTONE
	CONGLOMERATE
	SILTSTONE
	COAL
	SHALE
	LIMESTONE
	DOLOMITE
	ANHYDRITE
	SALT
	CHERT
	BASEMENT

ABBREVIATIONS	
DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



DESCRIPTIONS & REMARKS
DST, MUD DATA

LS: MED GRN, LT GRN, HDN, OCC SPARRY CALC, COMMON SHALY, SILTY, LESS DOLOMITIC.

NOTE: DISCONTINUE PLOTTING H₂S READINGS AS ALL CUTTINGS ARE ZERO. CONTINUE TO MONITOR AND WILL RE-INTRODUCE IF INDICATED LATER.

LS: MED GRN, LT BRN, GRN, BRN, DNSE, DM, CRYPTOXLN, SOM, MICROXLN, OCC SPARRY, GRADING ABUN, SLI TO V, SHALY. ALSO COMN DOLOMITIC.

DOLOMITE: TAN, MICRO-XLN / XLN, ARGILL IN PART
LIMESTONE: GRN, V ARGILL / SHLY

DOLOMITE: LT GRN, ARGILL / SHLY, SLT LMY

DOLOMITE: GRN-DK GRN, V ARGILL / SHLY, MASSIVE.

DOLOMITE: LT GRN / WHT GRN, ARGILL / SHLY, MOD TND, LMY

EXXON COMPANY, U. S. A.

WELL W.W.MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 4/1/75

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- | | |
|-------------------|-----|
| DRILL STEM TEST | DST |
| LOGGED AFTER TRIP | LAT |
| TRIP GAS | |
| CONNECTION GAS | |
| NEW BIT | NB |
| CORE BIT | CB |
| CIRCULATED OUT | CO |
| NO RETURNS | NR |
| SLOPE TEST | ST |
| DEPTH CORRECTION | DC |
| PUMP UP PLOT | PP |

DRILLING RATE
 _____ MIN./FT.
 MUD WEIGHT
 _____ LBS/GAL.
 CHLORIDE EQUIV.
 _____ N _____ IN PPM
 _____ O _____ OUT PPM
 TYPE NB & DATE at 12:01 A.M.

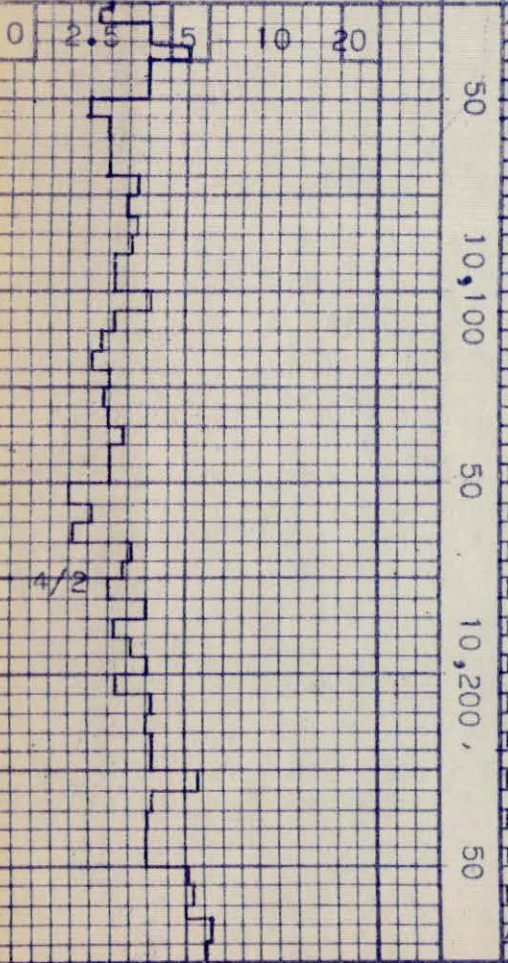
DEPTH

MUD GAS
 HOTWIRE _____ RED UNITS
 METHANE C1 _____ 1 GREEN PPM
 ETHANE C2 _____ 2 BLUE PPM
 PROPANE C3 _____ 3 BROWN PPM
 BUTANE C4 _____ 4 ORANGE PPM
 PENTANE C5 _____ 5 YELLOW PPM

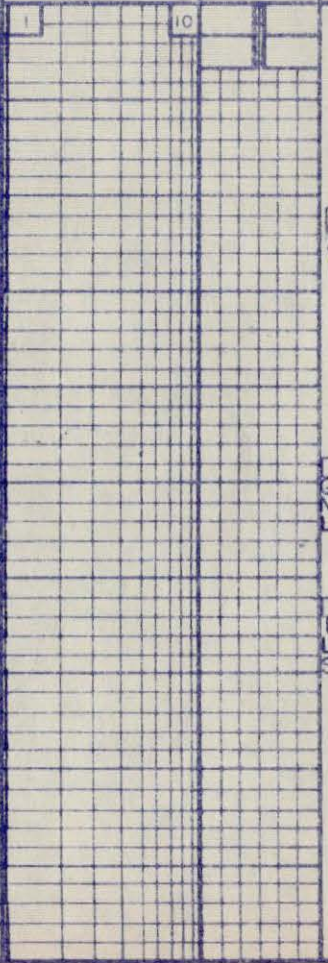
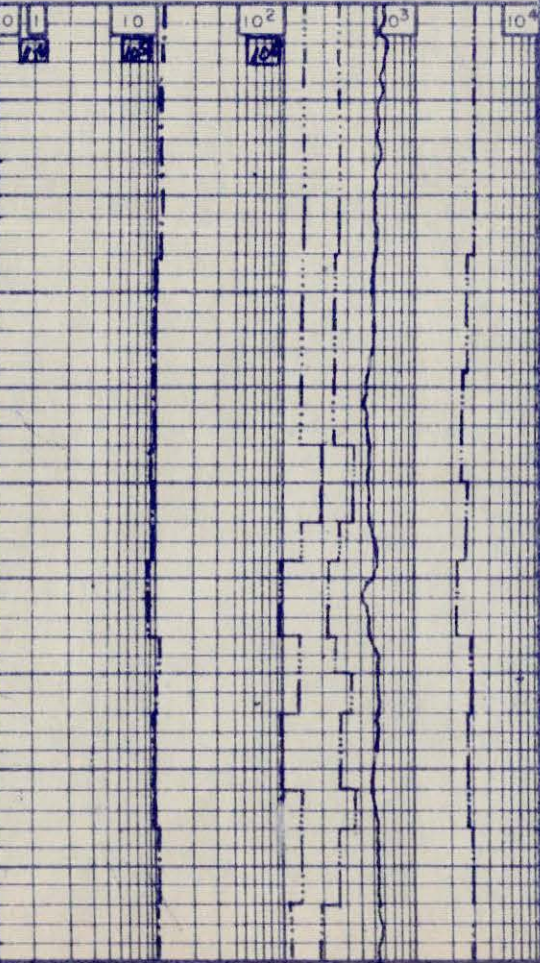
CUTTINGS GAS
 HOTWIRE _____
 UNITS _____

ACID GAS
 H₂S _____ PPM
 CO₂ _____ PPM

DESCRIPTIONS & REMARKS
 DST, MUD DATA



LITHOLOGY



DOLOMITE: LT GRY, GRY-WHT, MICROXLN TO V FINLY XLN, V SLI SHALY, SILTY, MOD INDURATED.

DOLOMITE: CONTD LT GRY, GRY-WHT, MICROXLN, W/MI, NOR AMNTS DK GRY, SHALY, LIMY.

DOLOMITE: 50% DK GRY, MOD INDURATED, V SHALY; 30% LT GRY, MICROXLN, V SLI SHALY.

DOLOMITE: PREDOM LT GRY, GRY-WHT, SFT, MICROXLN, W/COMN DK GRY, SLTY, SHY.

EXXON COMPANY, U. S. A.

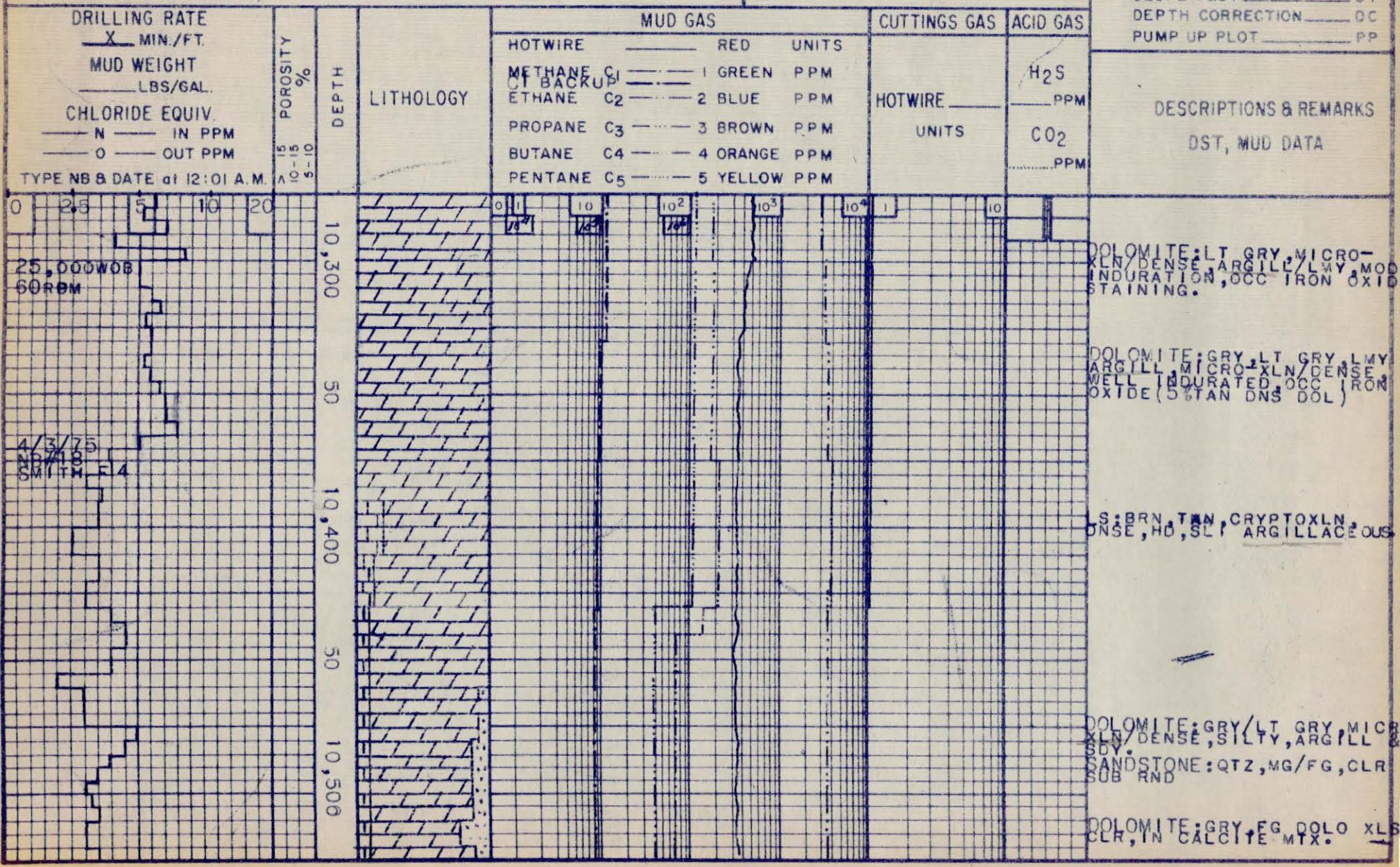
WELL W.W. MCCOY #1 ST#2
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 4/2/75

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 4/3/75

#24

LITHOLOGY

- | | | | |
|--|--------------|--|-----------|
| | SANDSTONE | | DOLOMITE |
| | CONGLOMERATE | | ANHYDRITE |
| | SILTSTONE | | SALT |
| | COAL | | CHERT |
| | SHALE | | BASEMENT |
| | LIMESTONE | | |

ABBREVIATIONS

- DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____
 CONNECTION GAS _____
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP

DRILLING RATE
X MIN/FT.
 MUD WEIGHT
 _____ LBS/GAL.
 CHLORIDE EQUIV.
 _____ N _____ IN PPM
 _____ O _____ OUT PPM
 TYPE NB & DATE at 12:01 A.M.

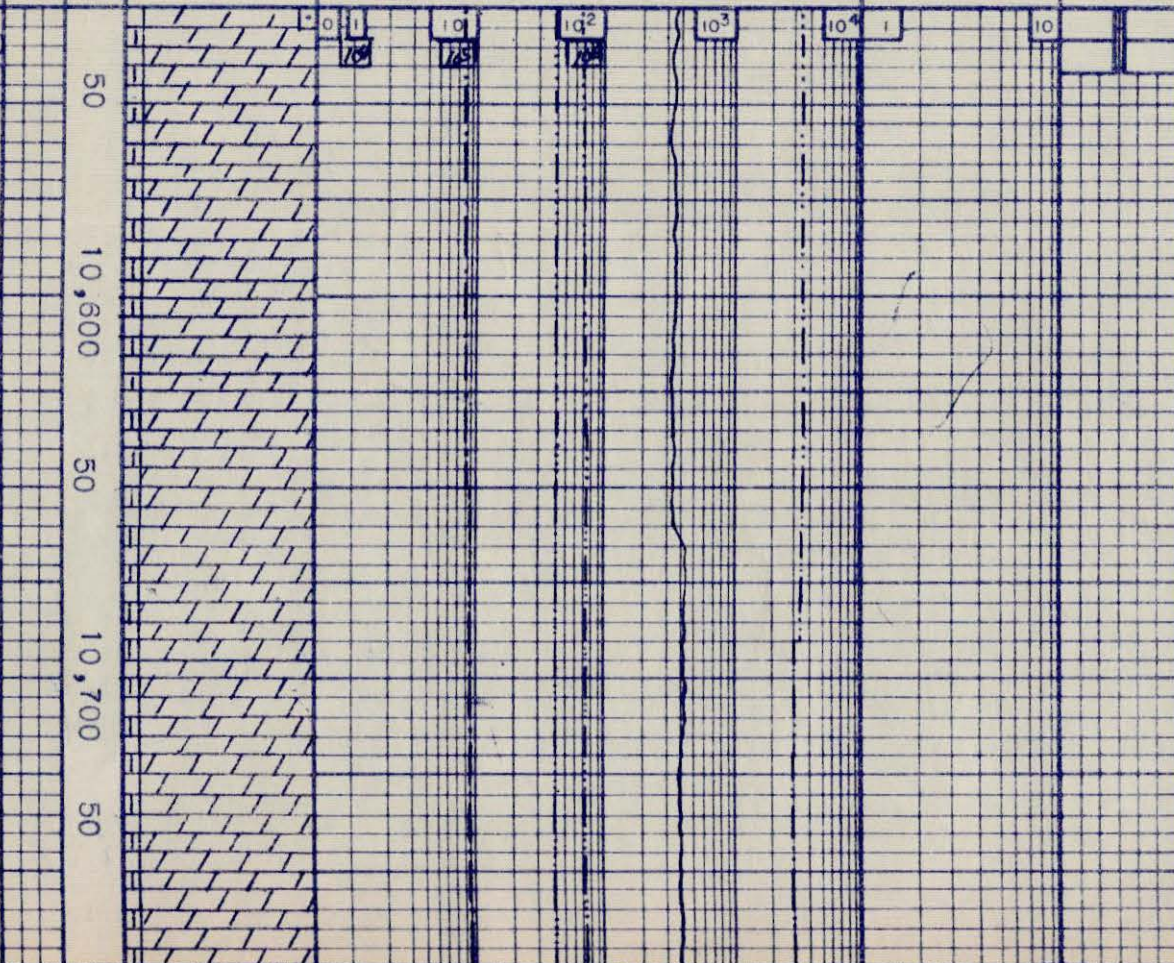
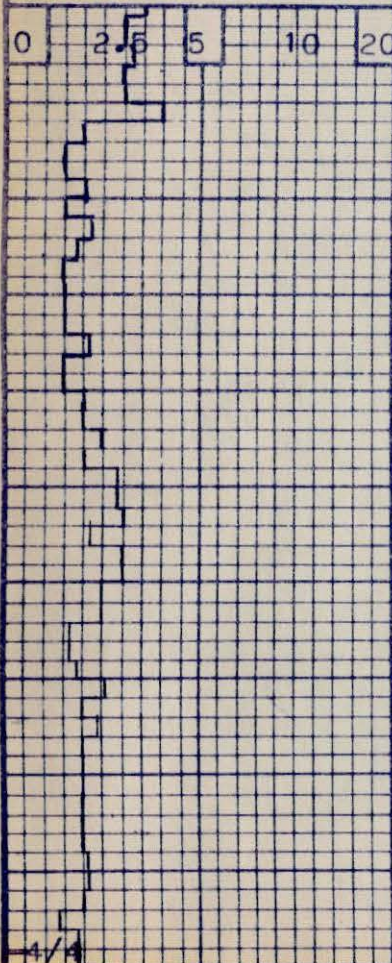
POROSITY %
 15
 10-15
 5-10

DEPTH
 LITHOLOGY

MUD GAS
 HOTWIRE _____ RED UNITS
 METHANE C₁ _____ 1 GREEN PPM
 ETHANE C₂ _____ 2 BLUE PPM
 PROPANE C₃ _____ 3 BROWN PPM
 BUTANE C₄ _____ 4 ORANGE PPM
 PENTANE C₅ _____ 5 YELLOW PPM

CUTTINGS GAS
 HOTWIRE _____
 UNITS
 ACID GAS
 H₂S _____ PPM
 CO₂ _____ PPM

DESCRIPTIONS & REMARKS
 DST, MUD DATA



DOLOMITE: GRY, LT GRY, SDY,
 SILTY & ARGILL W I RARE
 MG/CRS CLR QTZ. SAMPLE IS
 30% DOLO CLR XLS IN CAL
 MTX.

DOLOMITE: CONTD A/A

DOLOMITE: CONTD GRY, LT
 GRY A/A, BUT W/ INFLUX 10%
 DK GRY-BRN, HD, SLTY, SLI
 SDY, MICROXLN.

EXXON COMPANY, U. S. A.

WELL W. N. MCCOY #1 ST#2
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 4/4/75

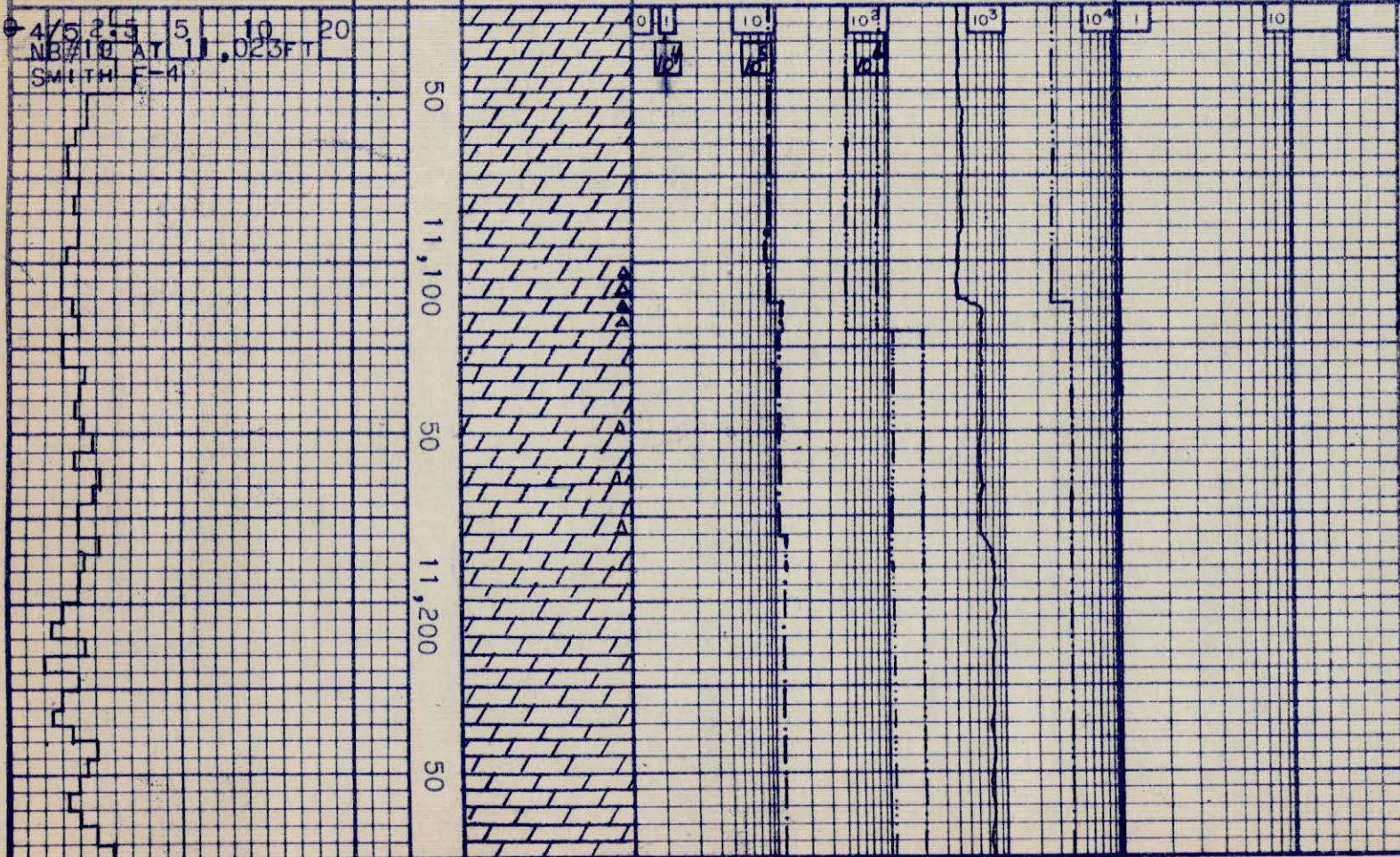
LITHOLOGY

SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP

DRILLING RATE <u>X</u> MIN./FT. MUD WEIGHT _____ LBS/GAL. CHLORIDE EQUIV. _____ N _____ IN PPM _____ O _____ OUT PPM TYPE NB & DATE of 12:01 A.M.	POROSITY % 15 10-15 5-10	DEPTH 50 11,100 50 11,200 50	LITHOLOGY	MUD GAS HOTWIRE _____ RED UNITS METHANE C ₁ _____ 1 GREEN PPM C ₁ BACKUP _____ ETHANE C ₂ _____ 2 BLUE PPM PROPANE C ₃ _____ 3 BROWN PPM BUTANE C ₄ _____ 4 ORANGE PPM PENTANE C ₅ _____ 5 YELLOW PPM			CUTTINGS GAS HOTWIRE _____ UNITS	ACID GAS H ₂ S _____ PPM CO ₂ _____ PPM
				DESCRIPTIONS & REMARKS DST, MUD DATA				



DOLOMITE: LT GRY, GRY-BRN, DOM SUCROSIC, MINOR DNSE, ALSO APP THIN STRINGERS DK GRY, SLTY, SHALY.

DOLOMITE: WHT, CLR, HAVING SS APPEARANCE, SUCROSIC TO COARSELY XLN.

CHERT: INFLUX (LESS THAN 5% TOTAL SAMP) MILK WHT, TRANSLUC, ANGULAR, COARSE FRAGS.

DOLO: CONTD WHT, SUCROSIC W/OCC DK GRY, SILTY, SHY.

DOLO: WHT, LT. GRY, DOM SUCROSIC, SM MICRO XLN, W/OCC SCAT DK GRY SLTY. CONTD OCC CHERT FRAGS.

DOLOMITE: GRY/WHT, MICRO XLN/DENSE WI TRACES PYR & IMPURE CHERT, SLI ARGIL WI LARGE DOLO XLS.

EXXON COMPANY, U. S. A.













WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

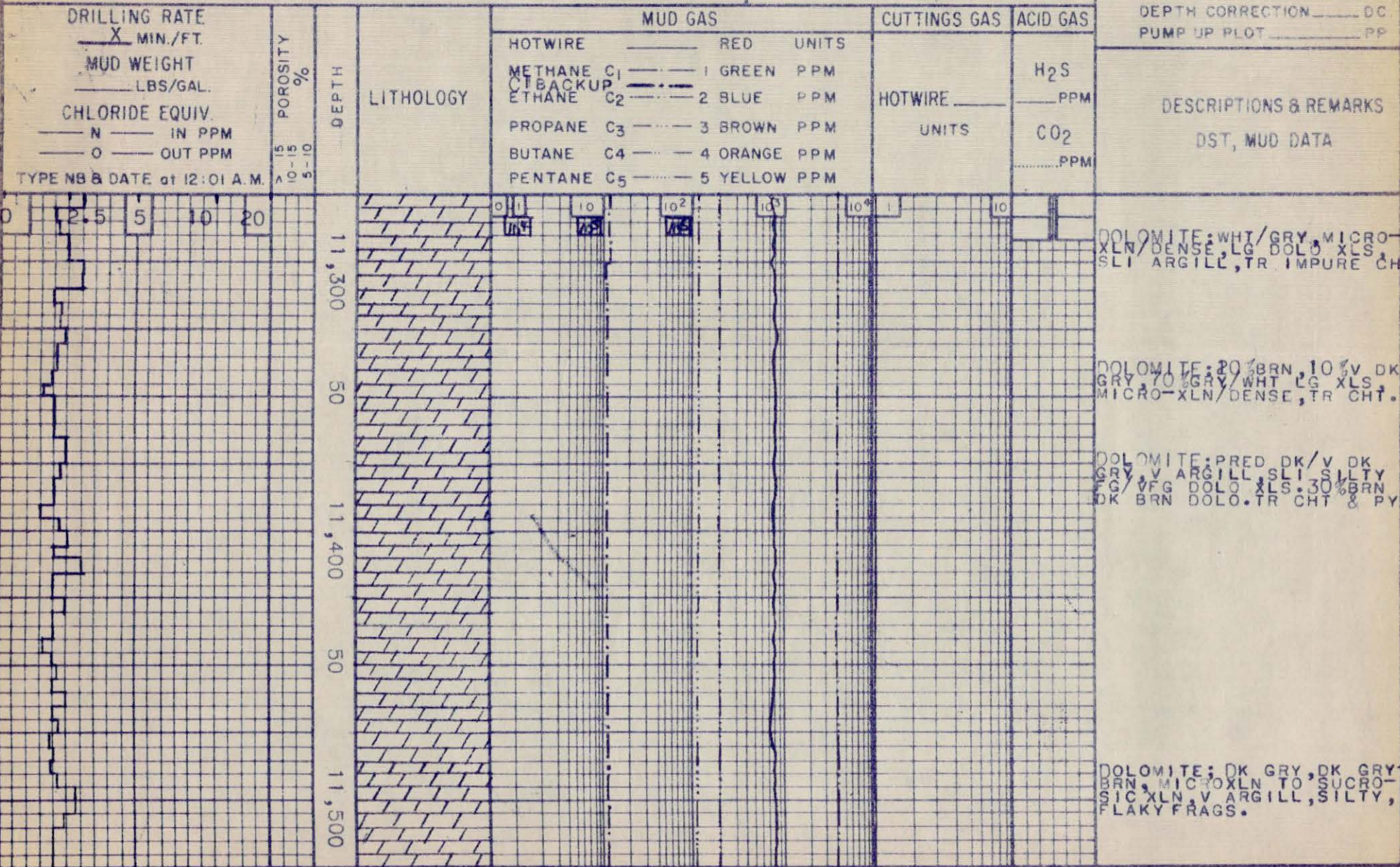
DATE 4/5/75

LITHOLOGY

-  SANDSTONE
-  CONGLOMERATE
-  SILTSTONE
-  COAL
-  SHALE
-  LIMESTONE
-  DOLOMITE
-  ANHYDRITE
-  SALT
-  CHERT
-  BASEMENT
- 

ABBREVIATIONS

- DRILL STEM TEST _____ DST
- LOGGED AFTER TRIP _____ LAT
- TRIP GAS _____
- CONNECTION GAS _____
- NEW BIT _____ NB
- CORE BIT _____ CB
- CIRCULATED OUT _____ CO
- NO RETURNS _____ NR
- SLOPE TEST _____ ST
- DEPTH CORRECTION _____ DC
- PUMP UP PLOT _____ PP



EXXON COMPANY, U. S. A.

WELL W.W. McCoy #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

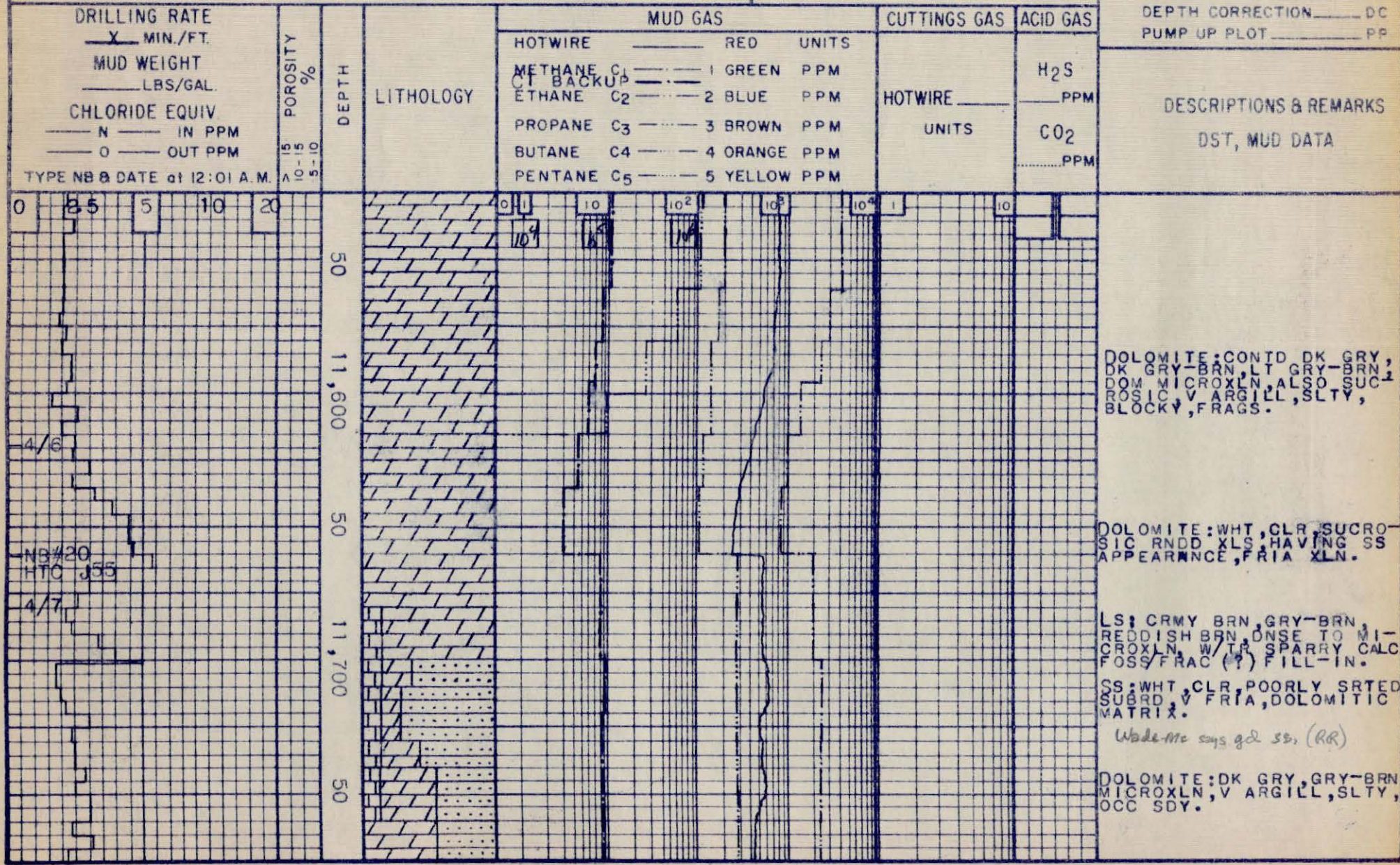
DATE 4/5/75

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



0 2.5 5 10 20

4/6

NB#20
HTC 355

4/7

#29

EXXON COMPANY, U. S. A.

WELL W. W. MCCOY #1 ST#2
 COUNTY JACKSON STATE WEST VIRGINIA
 LOGGING COMPANY EXPLORATION LOGGING
 DATE 4/7/75

LITHOLOGY

- SANDSTONE
- CONGLOMERATE
- SILTSTONE
- COAL
- SHALE
- LIMESTONE
- DOLOMITE
- ANHYDRITE
- SALT
- CHERT
- BASEMENT

ABREVIATIONS

- DRILL STEM TEST..... DST
- LOGGED AFTER TRIP..... LAT
- TRIP GAS.....
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- NEW BIT..... NB
- CORE BIT..... CB
- CIRCULATED OUT..... CO
- NO RETURNS..... NR
- SLOPE TEST..... ST
- DEPTH CORRECTION..... DC
- PUMP UP PLOT..... PP

DRILLING RATE X MIN./FT.	MUD WEIGHT LBS/GAL.	CHLORIDE EQUIV. N IN PPM O OUT PPM	TYPE NB & DATE at 12:01 A.M.	POROSITY % 15-10-5	DEPTH	LITHOLOGY	MUD GAS					CUTTINGS GAS		ACID GAS		DESCRIPTIONS & REMARKS DST, MUD DATA	
							HOTWIRE	RED	UNITS	METHANE C1	ETHANE C2	PROPANE C3	BUTANE C4	PENTANE C5	HOTWIRE		UNITS
					11,800	SANDSTONE	10	10	10 ²	10 ³	10 ⁴	1	10				SANDSTONE: MG/FG, CEMENT IN DOLO MIX, SUB-RND, CLR QTZ
					50	SANDSTONE											DOLOMITE: GRY/LT GRY, SIL ARGILL, DENSE, OCC MICRO-XLN.
					11,900	SANDSTONE											DOLOMITE: GRY/DK GRY/BRN MOTTLED, DENSE, SDV IN PT
					50	SANDSTONE											DENSE SANDSTONE: MG/FG, CLR QTZ IN DOLO MIX, SUB-RND
					12,000	SANDSTONE											DOLOMITE: BRN/DK GRY, DNS MOTTLED, OCC MICRO-XLN, RARE MG/FG SUB-RND CLR QTZ IN LT GRY/WHT DOLO MTX.

EXXON COMPANY, U. S. A.

WELL W.W.MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

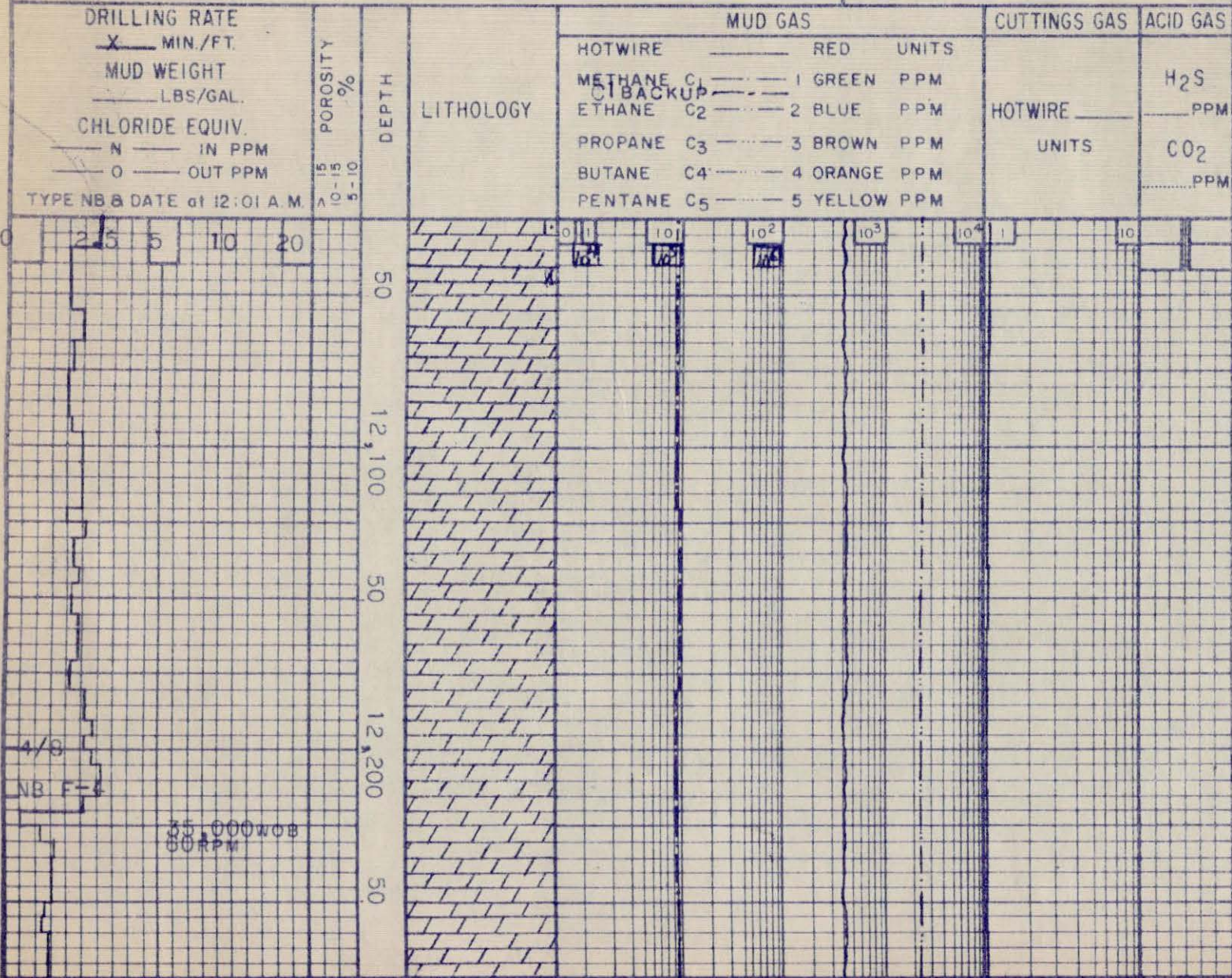
DATE 4/7/75

LITHOLOGY

SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



DESCRIPTIONS & REMARKS
DST, MUD DATA

DOLOMITE: PRED DK BRN, DK GRY, AND GRY-BRN, DNSE, SM MICROXLN, MOTTLED, COMMON SILTY, ARGILL, OCC QTZ SDY.

DOLOMITE: CONTD A/A, AND INFLUX 20% WHI, SS, APPEAR ANCE DOLOMITE.

DOLOMITE: DK GRY, GRY-BRN, MICROXLN, ARGILL, SLTY.

DOLOMITE: CONTD A/A, AND COMN RED-BRN, YLW-BRN, SLTY.

35,000WOB
60RPM

EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

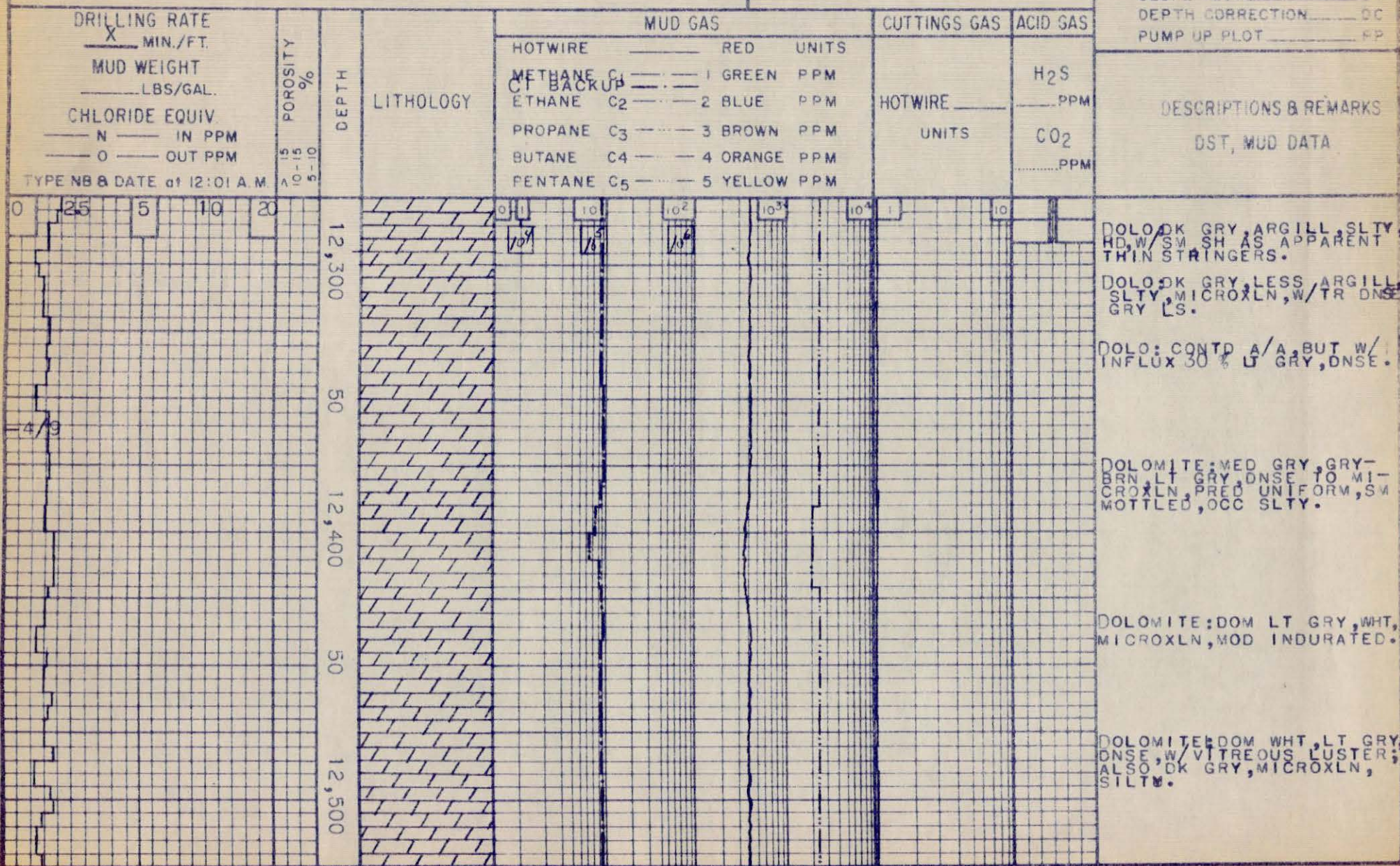
COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 4/8/75

LITHOLOGY	
	SANDSTONE
	CONGLOMERATE
	SILTSTONE
	COAL
	SHALE
	LIMESTONE
	DOLOMITE
	ANHYDRITE
	SALT
	CHERT
	BASEMENT

ABBREVIATIONS	
DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W.W.MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 4/9/75

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____
 CONNECTION GAS _____
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP

DRILLING RATE <u>X</u> MIN./FT. MUD WEIGHT _____ LBS./GAL. CHLORIDE EQUIV. _____ N _____ IN PPM _____ O _____ OUT PPM TYPE NB & DATE of 12:01 A.M.	POROSITY % 5-10 10-15	DEPTH	LITHOLOGY	MUD GAS					CUTTINGS GAS	ACID GAS	DESCRIPTIONS & REMARKS DST, MUD DATA	
				HOTWIRE	RED	UNITS	HOTWIRE	UNITS	H ₂ S	CO ₂		
				METHANE C ₁ _____ 1 GREEN PPM ETHANE C ₂ _____ 2 BLUE PPM PROPANE C ₃ _____ 3 BROWN PPM BUTANE C ₄ _____ 4 ORANGE PPM PENTANE C ₅ _____ 5 YELLOW PPM								
		12,800		0.11	101	10 ²	10 ³	10 ⁴	10			SANDSTONE: QUARTZOSE, FG/MG, SUB-RND, CLR, V HD, BRIT DOLO WHT MIX, RARE OOLITE SHADOWS.
		50										DOLOMITE: DK GRY/GRY-BRN SLTY, ARGILL, MICRO TO DNSE.
4/10 NB/CF 55		12,900										LS: CRMY BRN, GRYSM RED-BRN DNSE, W/ COMN SPARRY CALC MICRO FILL-INS, SOME SDY.
4/11		50										DOLOMITE: MED GRY, LT GRY, MICROXLN, ARGILL, SLTY, GRDG COMN SDY.
		12,900										LS: DK GRY, DNSE, HD.
		50										DOLOMITE: DK GRY, MED GRY, MICROXLN, V ARGILL, SLTY, COMN SDY.
		13,000										LS: CRMY LT GRY, CRMY BRN, DNSE, HD.
												SM: DK GRY, WELL INDURATED, HD, SLI CALC, BLOCKY TO FISS FRAGS, TR MICROPYRITIC.
												LS: MED GRY-BRN, DOVE GRY, HD, DNSE.

EXXON COMPANY, U. S. A.












WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

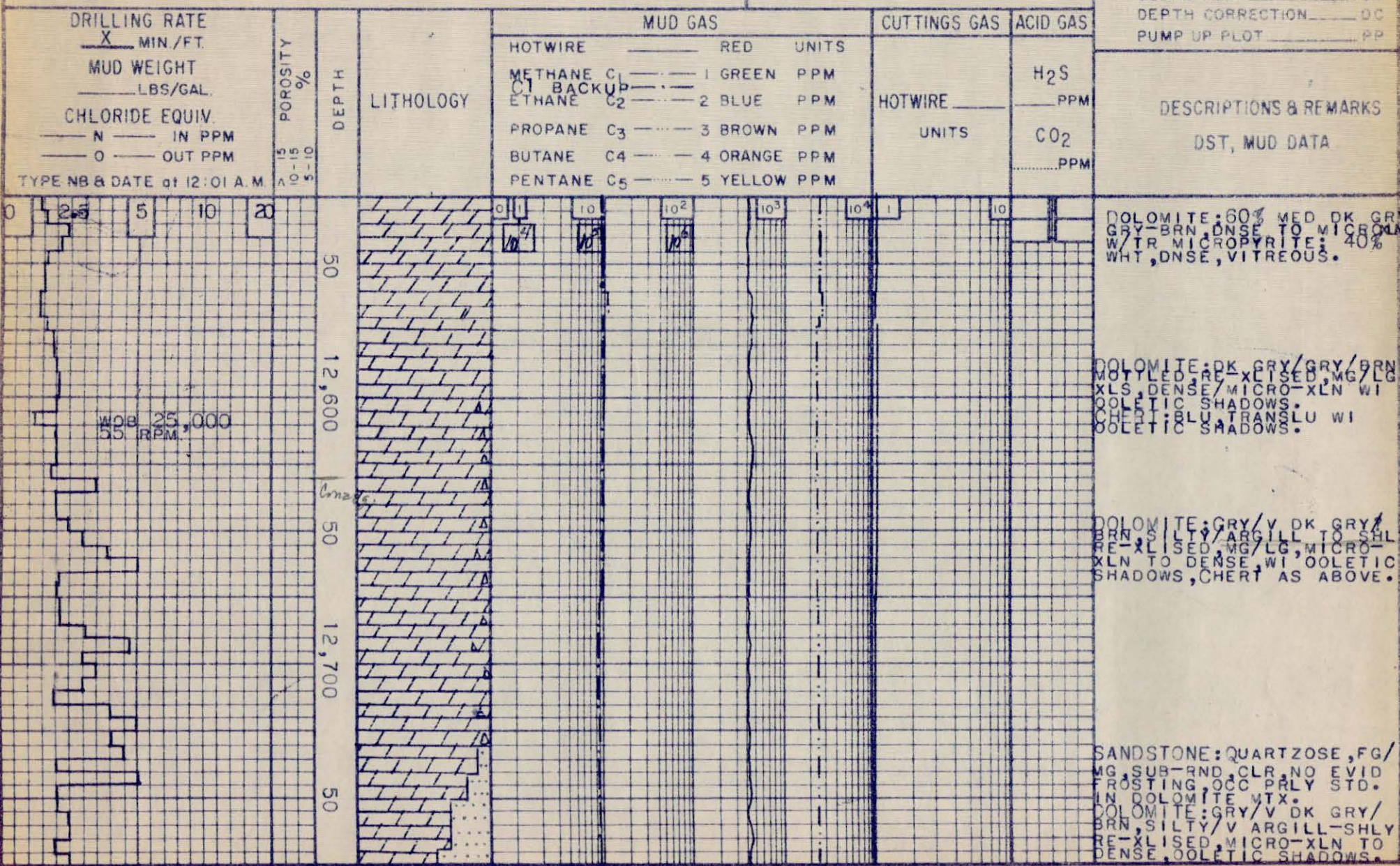
DATE 4/9/75

LITHOLOGY

-  SANDSTONE
-  CONGLOMERATE
-  SILTSTONE
-  COAL
-  SHALE
-  LIMESTONE
-  DOLOMITE
-  ANHYDRITE
-  SALT
-  CHERT
-  BASEMENT

ABBREVIATIONS

- DRILL STEM TEST _____ DST
- LOGGED AFTER TRIP _____ LAT
- TRIP GAS _____
- CONNECTION GAS _____
- NEW BIT _____ NB
- CORE BIT _____ CB
- CIRCULATED OUT _____ CC
- NO RETURNS _____ NR
- SLOPE TEST _____ ST
- DEPTH CORRECTION _____ DC
- PUMP UP PLOT _____ PP



MOB 25,000
55 RPM

Conz

EXXON COMPANY, U. S. A.












WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

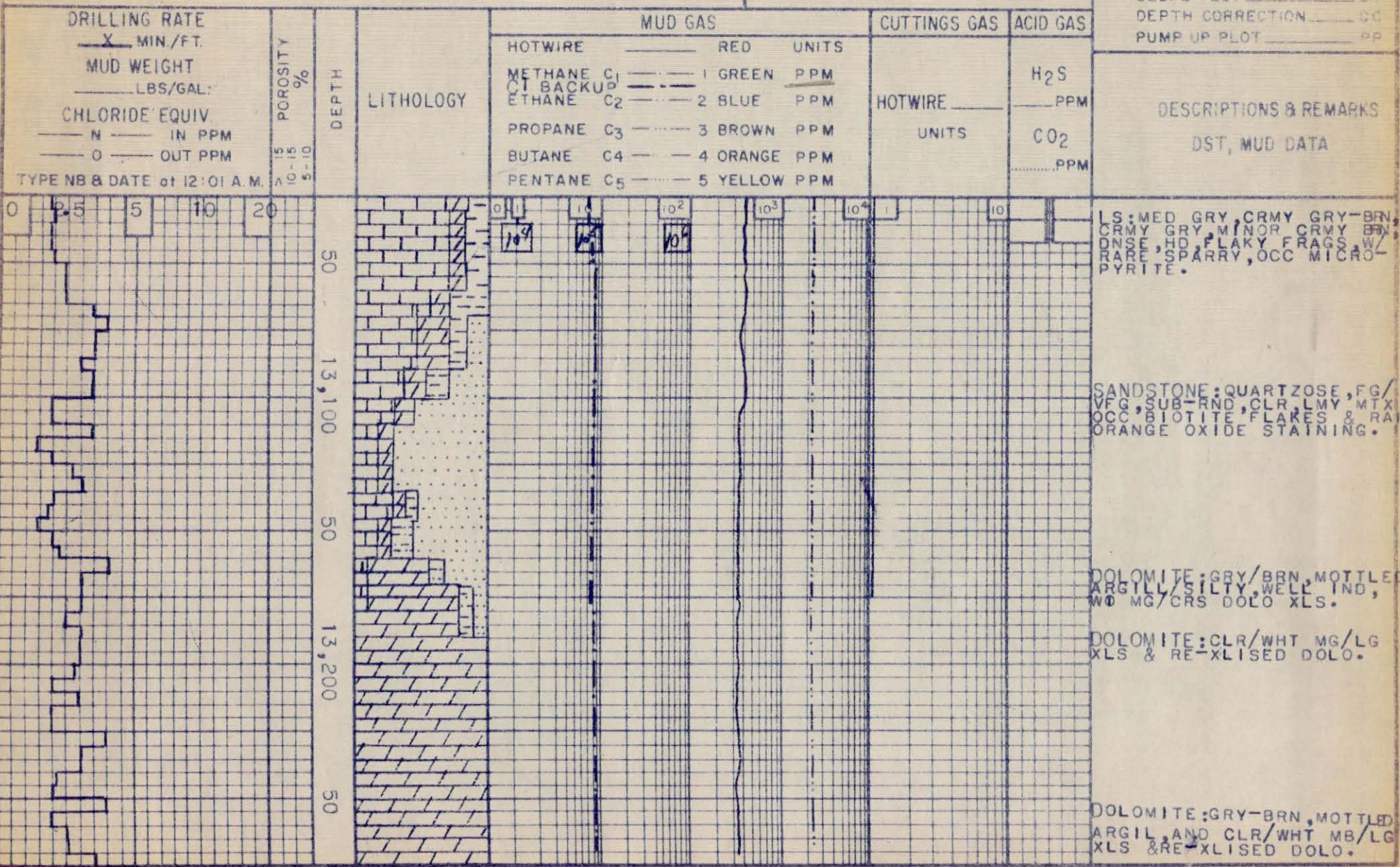
DATE 4/11/75

LITHOLOGY

-  SANDSTONE
-  CONGLOMERATE
-  SILTSTONE
-  COAL
-  SHALE
-  LIMESTONE
-  DOLOMITE
-  ANHYDRITE
-  SALT
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-  BASEMENT

ABBREVIATIONS

- DRILL STEM TEST _____ DST
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- SLOPE TEST _____ ST
- DEPTH CORRECTION _____ CC
- PUMP UP PLOT _____ PP



EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

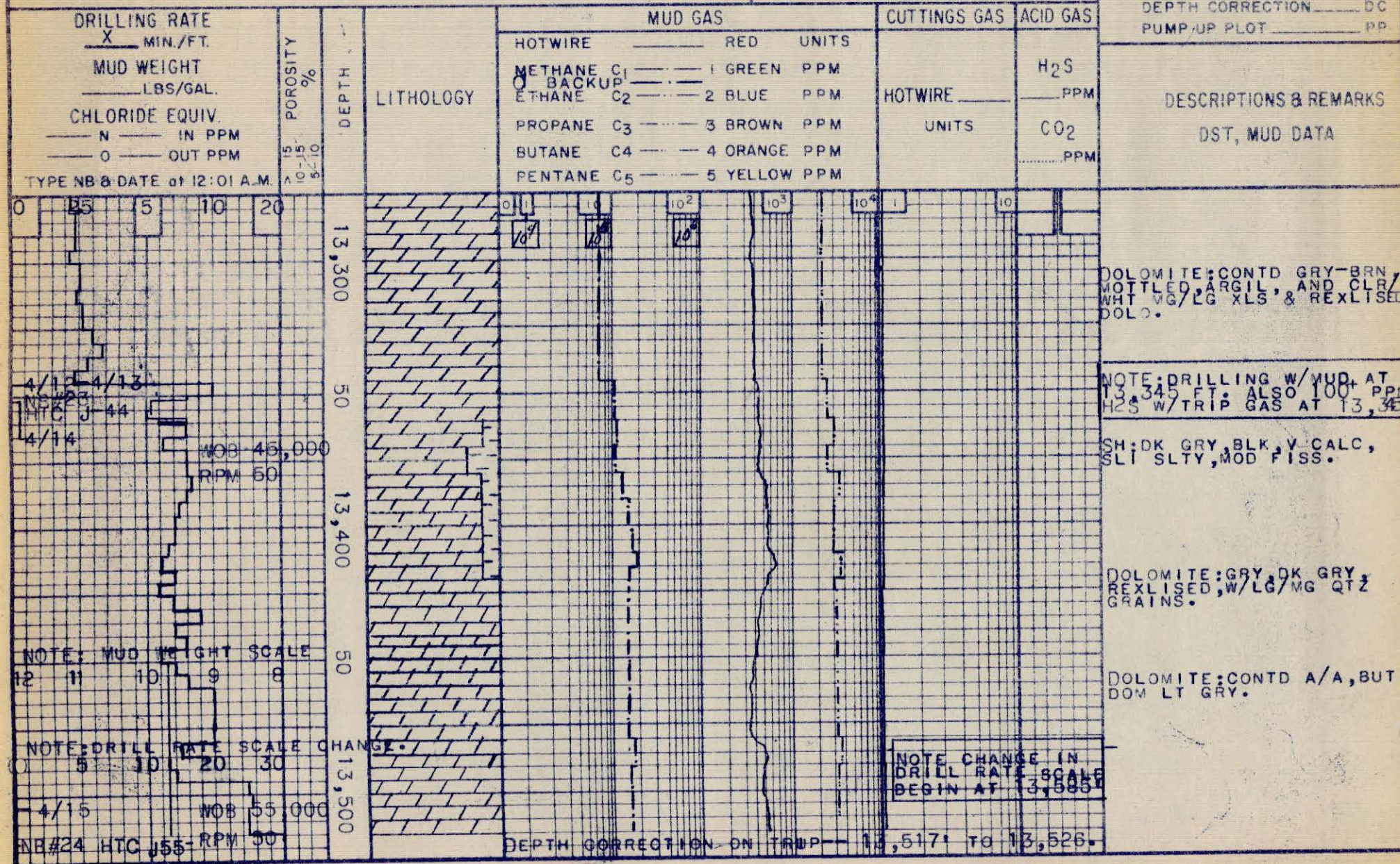
DATE 4/11/75

LITHOLOGY

SANDSTONE	DOLOMITE
CONGLOMERATE	ANHYDRITE
SILTSTONE	SALT
COAL	CHERT
SHALE	BASEMENT
LIMESTONE	

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
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CIRCULATED OUT	CO
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SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W.W. MCCOY #1 ST#2

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE 4/15/75

LITHOLOGY

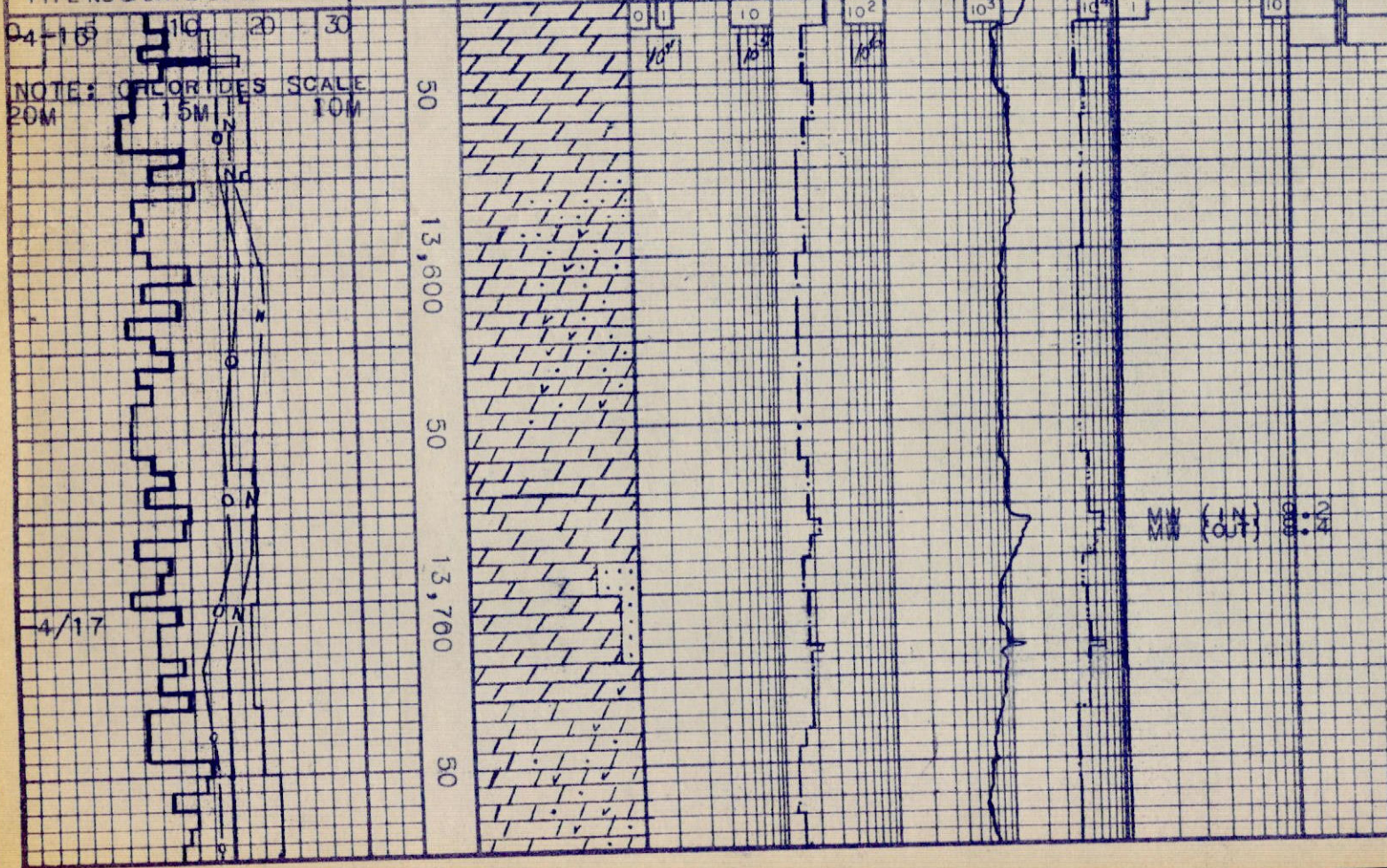
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	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
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NEW BIT	NB
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SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP

DRILLING RATE <u>X</u> MIN./FT. MUD WEIGHT _____ LBS/GAL. CHLORIDE EQUIV. _____ N _____ IN PPM _____ O _____ OUT PPM TYPE NB & DATE at 12:01 A.M.	POROSITY % 10-15 5-10	DEPTH 50 13,600 50 13,760 50	MUD GAS					CUTTINGS GAS	ACID GAS
			LITHOLOGY	HOTWIRE	RED	UNITS		HOTWIRE	H ₂ S
			METHANE C ₁	1 GREEN	PPM		PPM		
			ETHANE C ₂	2 BLUE	PPM				
			PROPANE C ₃	3 BROWN	PPM				
			BUTANE C ₄	4 ORANGE	PPM				
			PENTANE C ₅	5 YELLOW	PPM				

DESCRIPTIONS & REMARKS
DST, MUD DATA



DOLOMITE: DK GRY, GRY-BRN, LT GRY, DOM MICROXLN, SM ONSE, GRDG V ARGIL, LT SLTY, TO PURE DOLO IN, LT GRY, DECREASE SDY.

DOLOM: PRED LT GRY TO MED GRY/BRN, WITH MINOR AMTS CREAM & DK GRY, HD, VERY FN GRN, CALCITIC, V ARGILL TO SL SILTY, FREQ PLATELIKE FRAG, WITH ABUND QUAN SAND INCLUSIONS, V FINE TO COARSE, FROSTED WITHIN LT GRY, DOLOMITIC CEMENT, TITE, WITH VARYING AMTS CLEAR ANHYDRITE XYLs.

DOLOMITE: CONTD A/A, VARIATION IN LITH TYPE, DUE APPARENTLY TO THIN INT-ERFINGERING STRINGERS.

SS: WHT, CLR, VF-F SUBANG, V FRIA, CALC CMNTD, WELL SORTED.

DOLOMITE: LT TO MED GRAY WITH MINOR AMTS CREAM, HARD AND BRITTLE, V FINE GRN WITH OCC MED, IN PART SL CALCITIC, WITH ABUND XYLN ANHYDRITE INTCLUSIONS, DOLOM CONTINUES SL ARGILL TO SILTY WITH TRACES SAND, V FN TO MED, ROUNDED, OCC DK GRY TO BLK ARGILLITE, SL CALC.

EXXON COMPANY, U. S. A.













WELL WW MCCOY #1

COUNTY JACKSON STATE WEST VA.

LOGGING COMPANY EXPLORATION

DATE APRIL 17, 1975

LITHOLOGY

- | | |
|--|---|
|  SANDSTONE |  DOLOMITE |
|  CONGLOMERATE |  ANHYDRITE |
|  SILTSTONE |  SALT |
|  COAL |  CHERT |
|  SHALE |  BASEMENT |
|  LIMESTONE |  |

ABBREVIATIONS

- DRILL STEM TEST..... DST
 LOGGED AFTER TRIP..... LAT
 TRIP GAS.....
 CONNECTION GAS.....
 NEW BIT..... NB
 CORE BIT..... CB
 CIRCULATED OUT..... CO
 NO RETURNS..... NR
 SLOPE TEST..... ST
 DEPTH CORRECTION..... DC
 PUMP UP PLOT..... PP

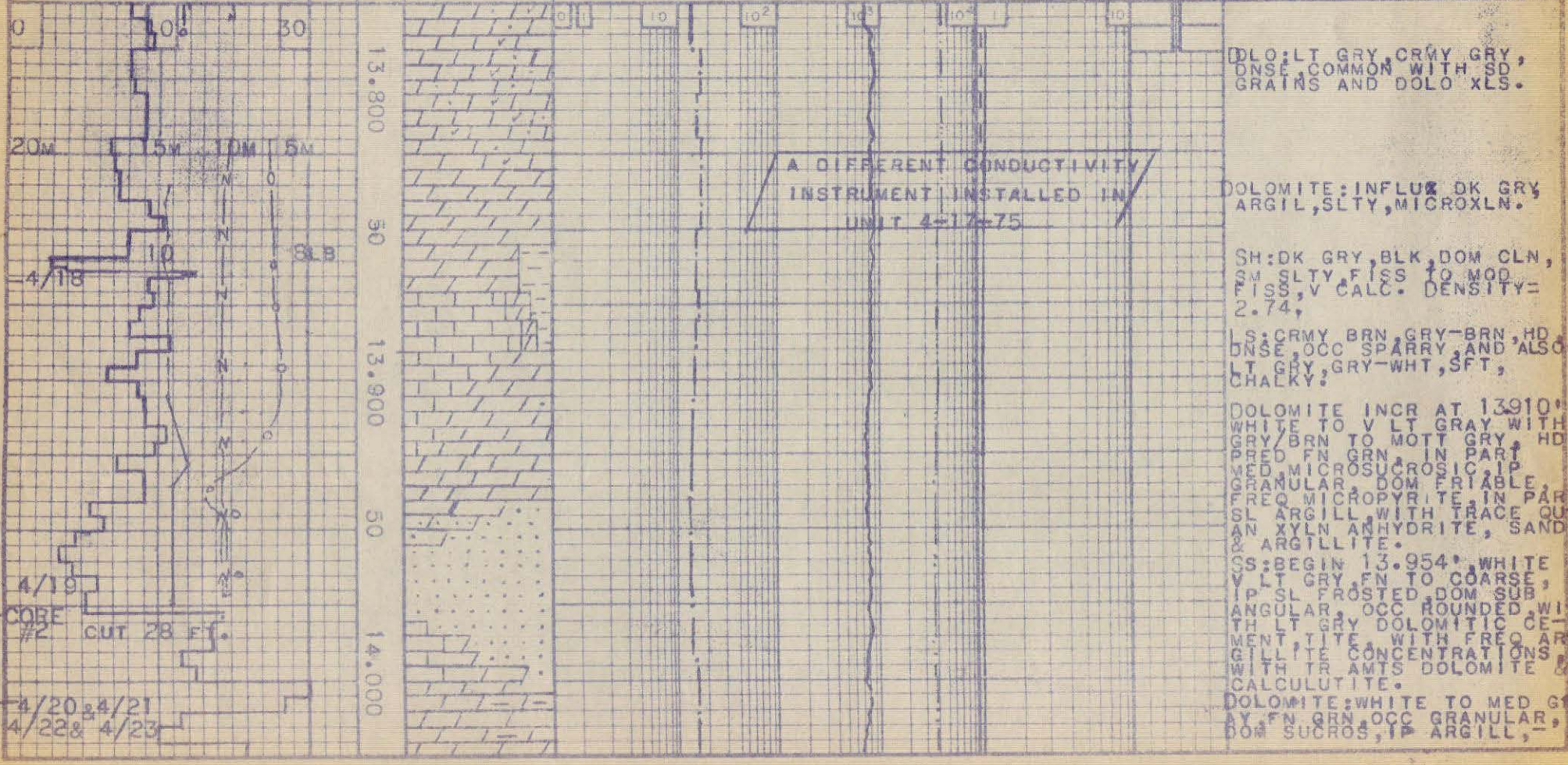
DRILLING RATE X MIN./FT.
 MUD WEIGHT _____ LBS/GAL.
 CHLORIDE EQUIV _____ IN PPM
 _____ OUT PPM
 TYPE NB & DATE of 12:01 A.M.

MUD GAS
 HOTWIRE _____ RED UNITS
 C₁ BACKUP _____ 1 GREEN PPM
 METHANE C₁ _____
 ETHANE C₂ _____ 2 BLUE PPM
 PROPANE C₃ _____ 3 BROWN PPM
 BUTANE C₄ _____ 4 ORANGE PPM
 PENTANE C₅ _____ 5 YELLOW PPM

CUTTINGS GAS
 HOTWIRE _____
 UNITS _____

ACID GAS
 H₂S _____ PPM
 CO₂ _____ PPM

DESCRIPTIONS & REMARKS
 DST, MUD DATA



DLO: LT GRY, CRMY GRY, DNSE, COMMON WITH SD, GRAINS AND DOLO XLS.
 DOLOMITE: INFLUX DK GRY, ARGIL, SLTY, MICROXLN.
 SH: DK GRY, BLK, DOM CLN, SM SLTY FISS TO MOD FISS, V CALC. DENSITY= 2.74.
 LS: CRMY BRN, GRY-BRN, HD DNSE, OCC SPARRY, AND ALSO LT GRY, GRY-WHT, SFT,
 DOLOMITE INCR AT 13910' WHITE TO V LT GRAY WITH GRY/BRN TO MOTT GRY, HD, PRED FN GRN, IN PART MED MICRO SUCROSIC, IP GRANULAR, DOM TRIABLE, FREQ MICROPYRITE, IN PART SL ARGILL, WITH TRACE QUAN XYLN ANHYDRITE, SAND, & ARGILLITE.
 GS: BEGIN 13.954' WHITE V LT GRY, FN TO COARSE, IP SL FROSTED, DOM SUB, ANGULAR, OCC ROUNDED, WITH LT GRY DOLOMITIC CEMENTITE, WITH FREQ ARGILLITE CONCENTRATIONS WITH TR AMTS DOLOMITE & CALCULITE.
 DOLOMITE: WHITE TO MED GRAY, FN GRN, OCC GRANULAR, DOM SUCROS, IP ARGILL, -

EXXON COMPANY, U. S. A.

WELL W W MCCOY #1

COUNTY JACKSON

STATE WEST VA.

LOGGING COMPANY EXPLORATION

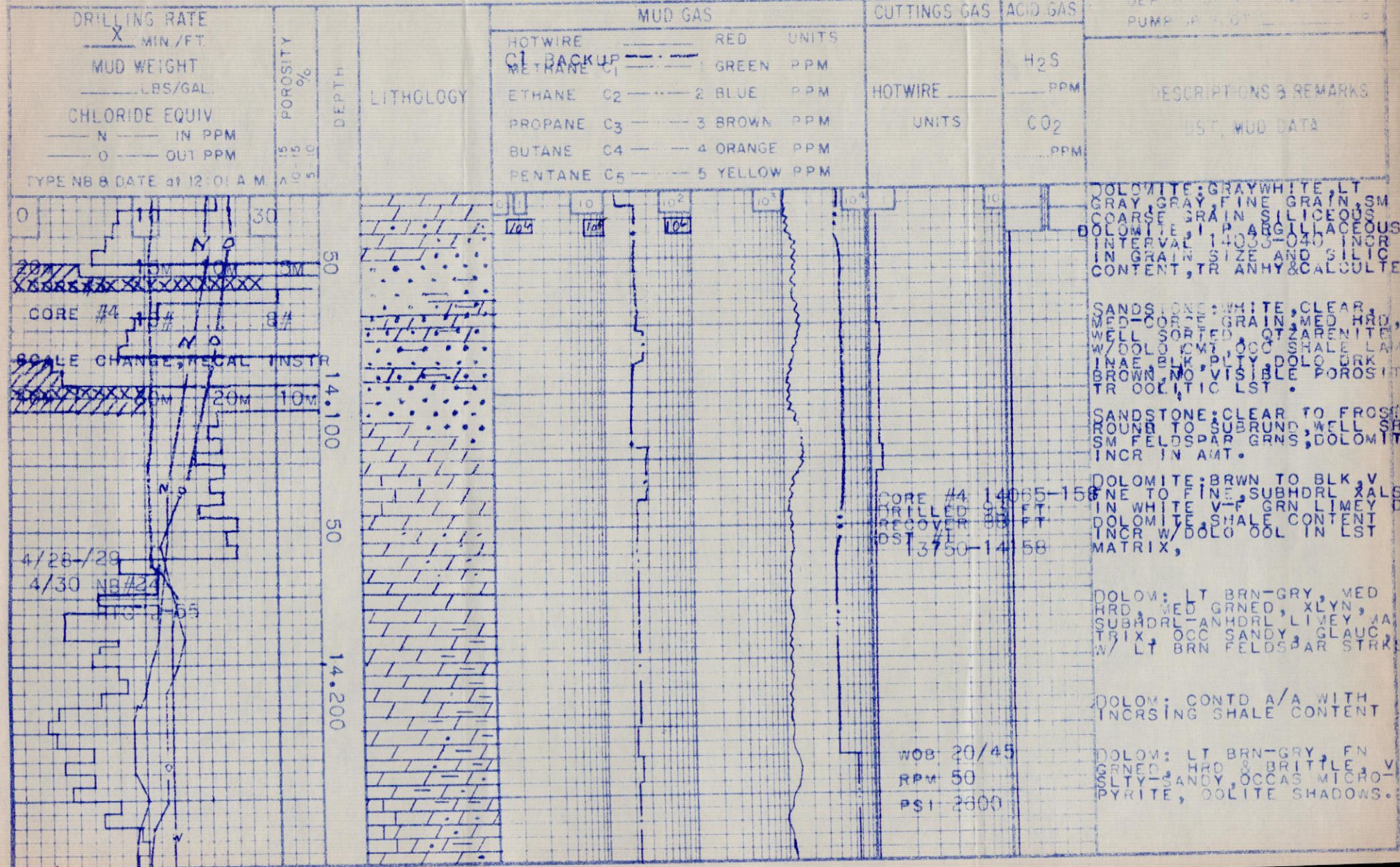
DATE APRIL 23, 1975

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STAFF TEST
LOGGED AFTER TEST
TRIP GAS
CONNECTION GAS
NEW PUMP
CORE
CIRCULATED
NO RETURNS
SLOPE TEST
DEPTH
PUMP



DOLOMITE: GRAYWHITE, LT GRAY, GRAY, FINE GRAIN, SM COARSE GRAIN SILICEOUS DOLOMITE, 1 P ARGILLACEOUS INTERVAL, 14000-040 INCR IN GRAIN SIZE AND SILIC CONTENT, TR ANHY&CALCULTE

SANDSTONE: WHITE, CLEAR, MED TO COARSE GRAIN, MED HRD, WELL SORTED, QTNARENITE, W/DOLOMITE, OCC SHALE LAMINAE, BLK, PUTY DOLO ORK BROWN, NO VISIBLE POROSITY TR OOLITIC LST.

SANDSTONE: CLEAR TO FROST BROWN TO SUBBRND, WELL SR SM FELDSPAR GRNS, DOLOMITE INCR IN AMT.

DOLOMITE: BRWN TO BLK, V FINE TO FINE, SUBHDRL XALS IN WHITE V-F, GRN LIMY DOLOMITE, SHALE CONTENT INCR W/DOLO OOL IN LST MATRIX,

DOLOM: LT BRN-GRY, MED HRD, MED GRND, XLYN, SUBHDRL-ANHDRL, LIMY, JA, TRIX, OCC SANDY, GLAUC W/ LT BRN FELDSPAR STRK

DOLOM: CONTD A/A WITH INCRSNG SHALE CONTENT

DOLOM: LT BRN-GRY, FN GRND, HRD & BRITTLE, V SLTY-SANDY, OCCAS MICRO-PYRITE, OOLITE SHADOWS.

CORE #4 14065-158
DRILLED 95 FT
RECOVER 88 FT
LST 7 FT
13750-14158

WOB 20/45
RPM 50
PSI 2600

EXXON COMPANY, U. S. A.

WELL WW MCGOY #1

COUNTY JACKSON STATE WEST VIRGINIA

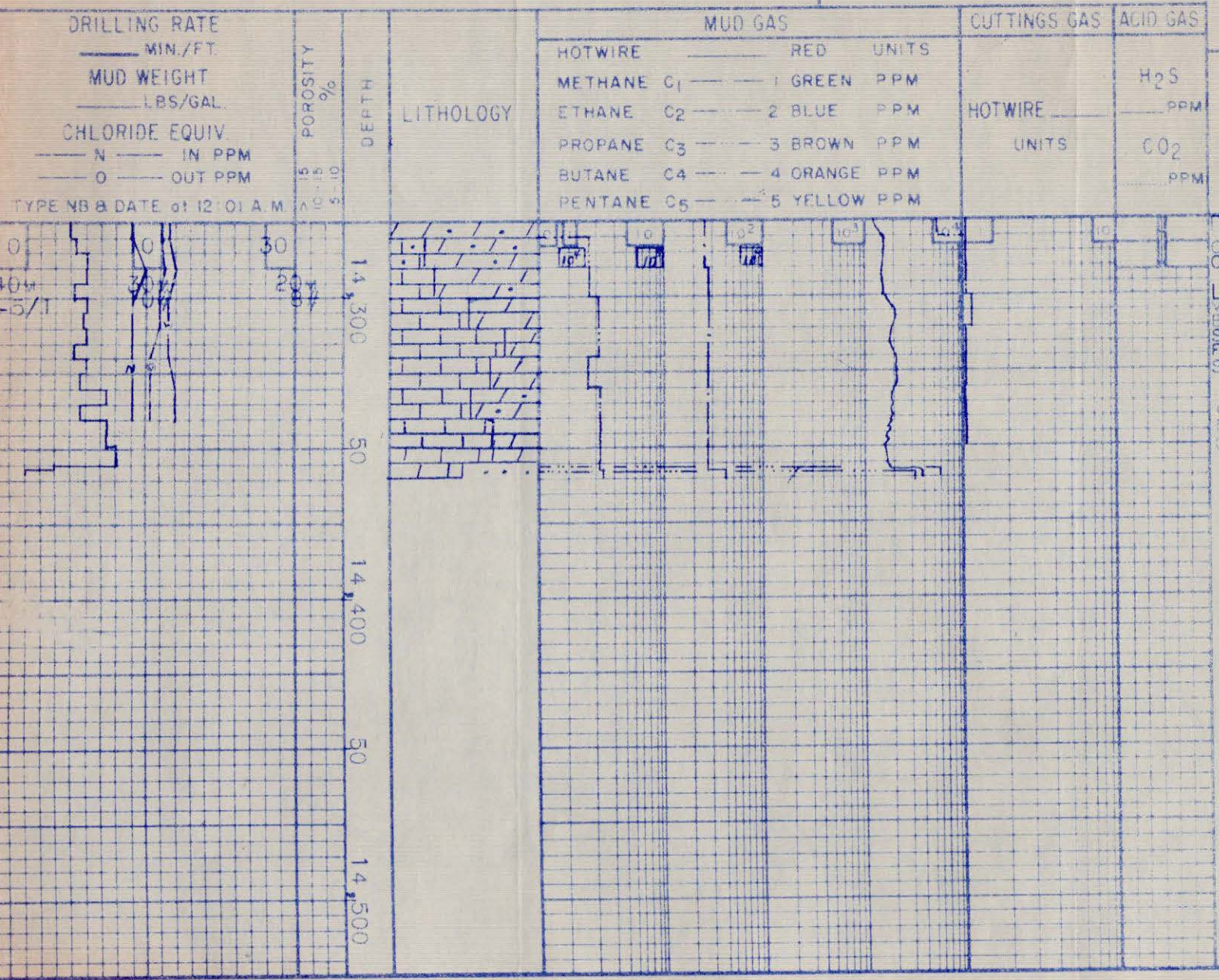
LOGGING COMPANY EXPLORATION LOGGING

DATE 4/30/75

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

DRILLING RATE
LOGS
TRIP
CONNECTION
NEW
CORE
CIRCUIT
NO RETURNS
CLOGS
DEP
PUMP



DESCRIPTIONS & REMARKS
ST. MUD DATA

NOLOW: SILTICIOUS, BEING
CRSER GRNED, LT GRV, OCC
COARSE QTZ INCLUSIONS.
LT - LT BRN-GRY, FN GRNED,
MICROXLYN, DENSE, HRD &
BRITTLE, OCC MOTTLED, OCC
SPARRY CALCITE AS FRAC
FILLING, TR. COLITES, OCC
SILICEOUS.
SS AT 356: CLR, CRSE, SUB
RND, UNCONSOLIDATED, QTZ
GRAINS, NO CEMENT.
*gas, not 2mm± from
bottom blk 14355-58.*

EXXON COMPANY, U. S. A.












WELL WW MCCOY #1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

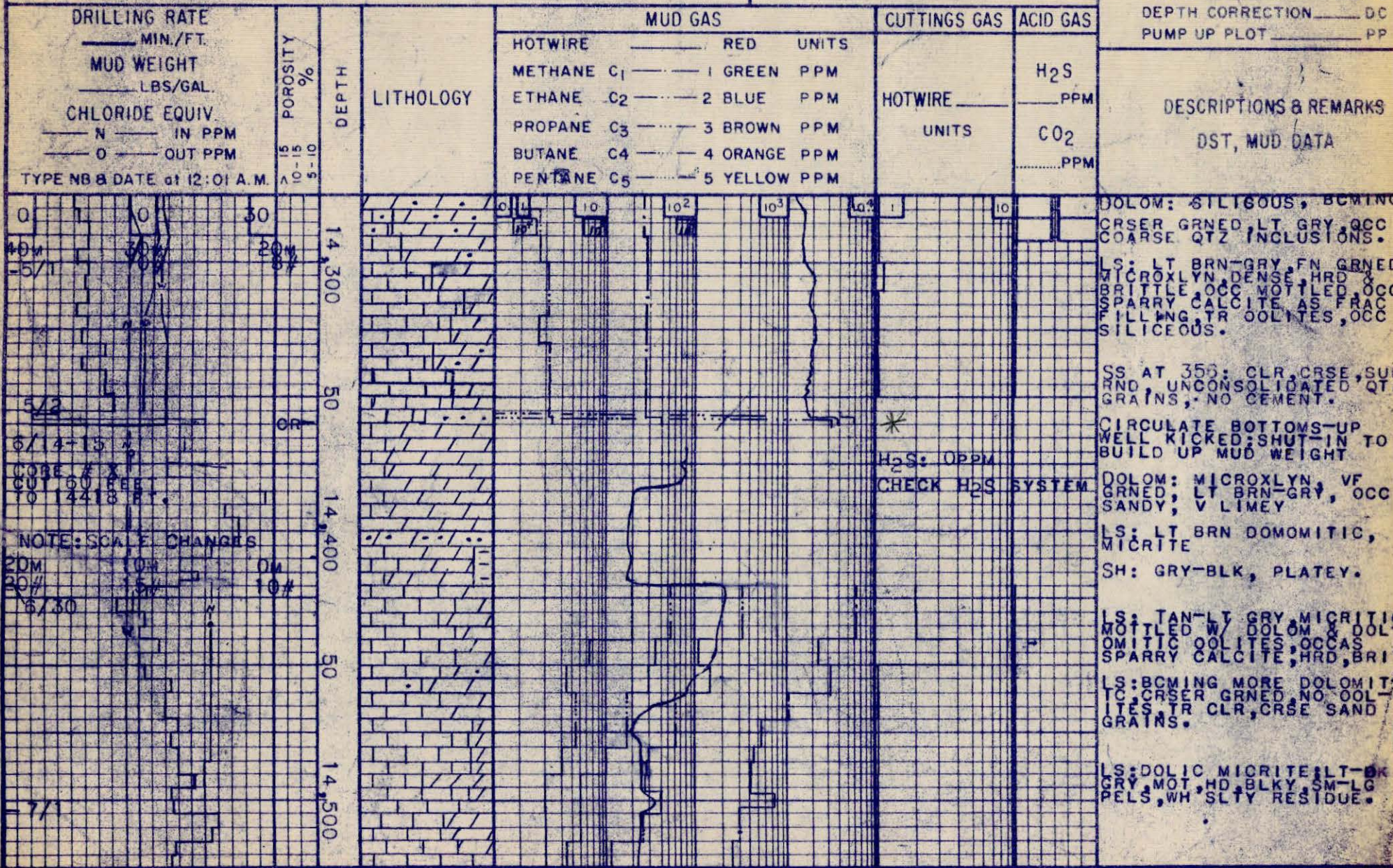
DATE 4/30/75

LITHOLOGY

-  SANDSTONE
-  CONGLOMERATE
-  SILTSTONE
-  COAL
-  SHALE
-  LIMESTONE
-  DOLOMITE
-  ANHYDRITE
-  SALT
-  CHERT
-  BASEMENT

ABBREVIATIONS

- DRILL STEM TEST _____ DST
- LOGGED AFTER TRIP _____ LAT
- TRIP GAS _____
- CONNECTION GAS _____
- NEW BIT _____ NB
- CORE BIT _____ CB
- CIRCULATED OUT _____ CO
- NO RETURNS _____ NR
- SLOPE TEST _____ ST
- DEPTH CORRECTION _____ DC
- PUMP UP PLOT _____ PP



NOTE: SCALE CHANGES

6/14+15
CORE # X
CUT 60 FEET
TO 14418 FT.

5/2

6/14+15

20M

20M

7/1

EXXON COMPANY, U. S. A.

WELL WW M^C COY #1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE JULY 1, 1975

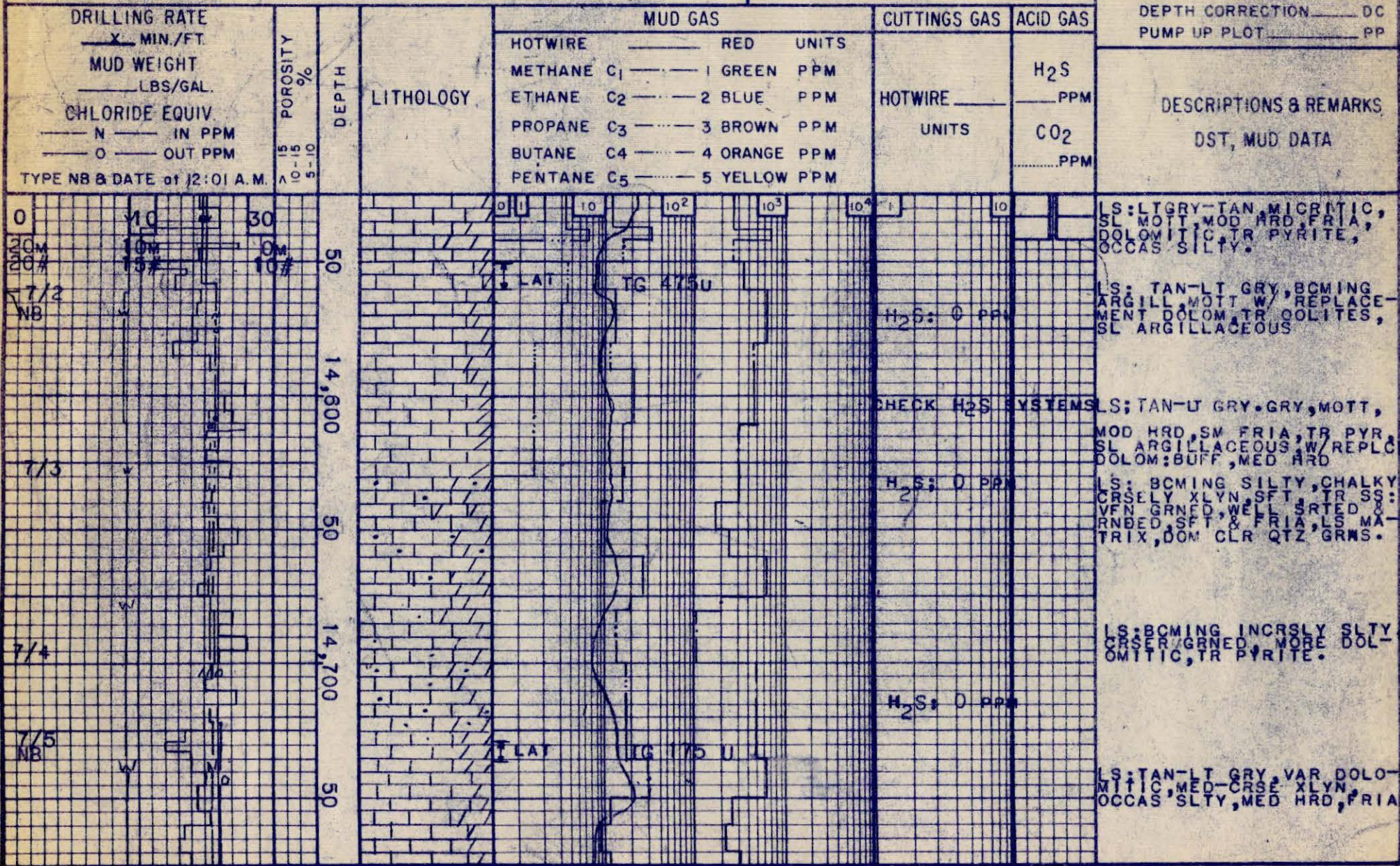
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LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W W MCCOY # 1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE JULY 11, 1975

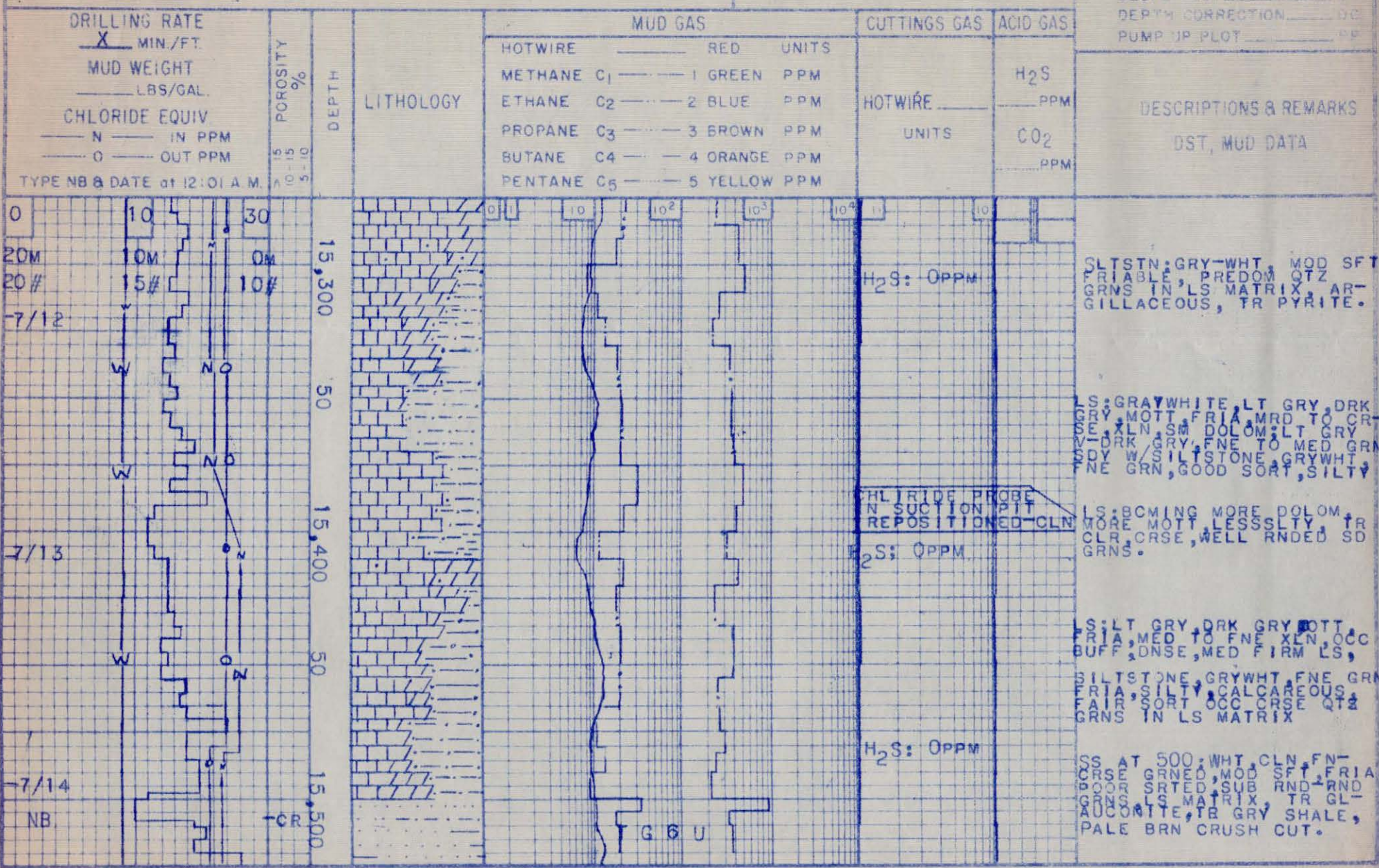
→ #43

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____ TGA
 CONNECTION GAS _____ CONGAS
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED CUT _____ CC
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PUP



CHLORIDE PROBE
IN SUCTION PIT
REPOSITIONED-CLN

G 6 U

EXXON COMPANY, U. S. A.

WELL W W MCCOY #1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

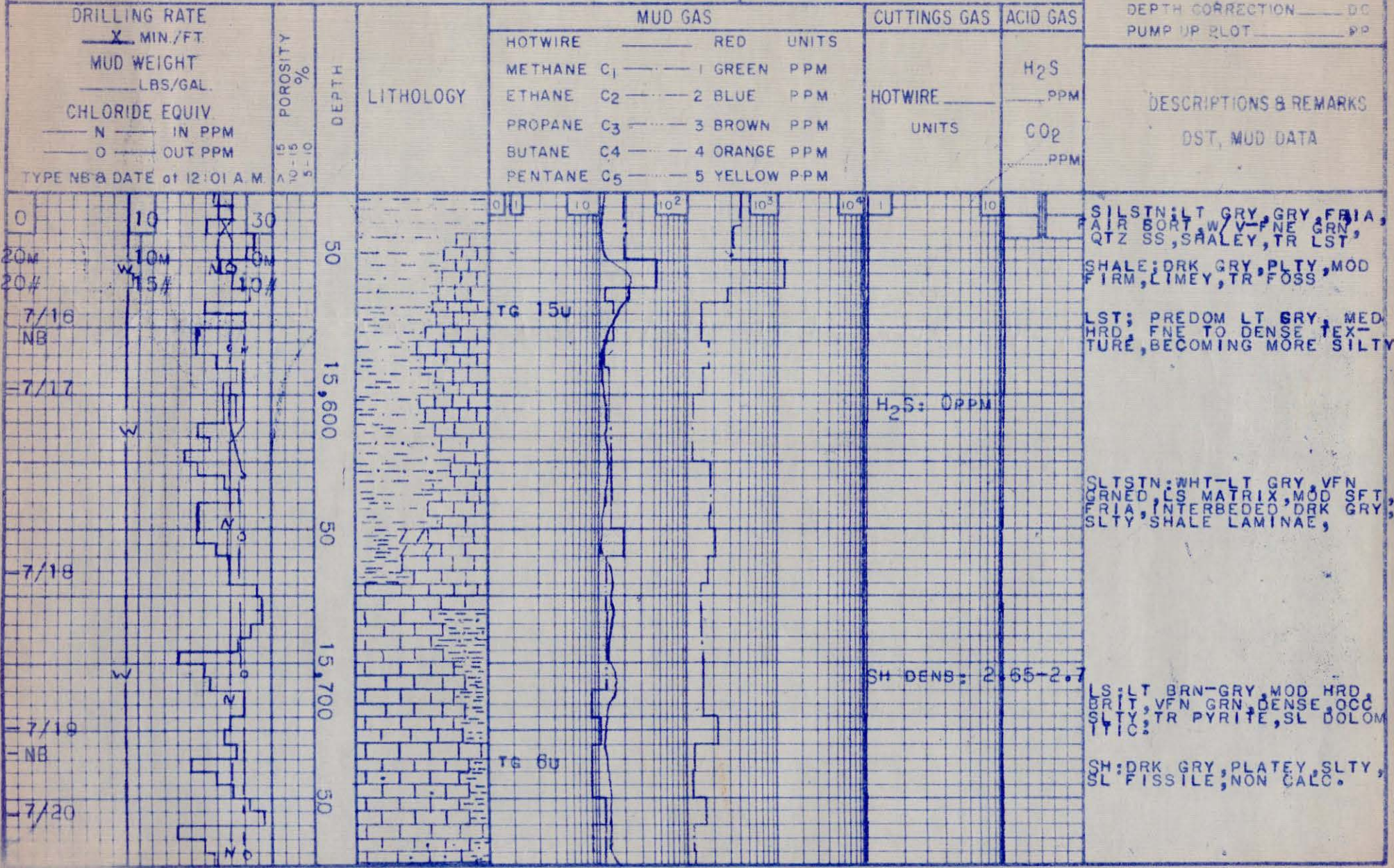
DATE JULY 15, 1975

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- DRILL STEM TEST _____ DST
 LOGGED AFTER TRIP _____ LAT
 TRIP GAS _____
 CONNECTION GAS _____
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP



SILTSTN: LT GRY, GRY, FRIA,
 FAIR SORT, W/V-FNE GRN,
 QTZ SS, SHALEY, TR LST

SHALE: DRK GRY, PLTY, MOD
 FIRM, LIMEY, TR FOSS

LST: PREDOM LT GRY, MED
 HRD, FNE TO DENSE, TEXTURE,
 BECOMING MORE SILTY

SILTSTN: WHT-LT GRY, VFN
 GRNED, LS MATRIX, MOD SFT,
 FRIA, INTERBEDDED, DRK GRY,
 SLTY SHALE LAMINAE,

LS: LT BRN-GRY, MOD HRD,
 BRIT, VFN GRN, DENSE, OCC
 SLTY, TR PYRITE, SL DOLOM
 ITIC:

SH: DRK GRY, PLATEY, SLTY,
 SL FISSILE, NON CALC.

H₂S: 0 PPM

SH DENB: 2.65-2.7

TG 15U

TG 6U

EXXON COMPANY, U. S. A.

WELL W W MCCOY # 1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE JULY, 20, 1975

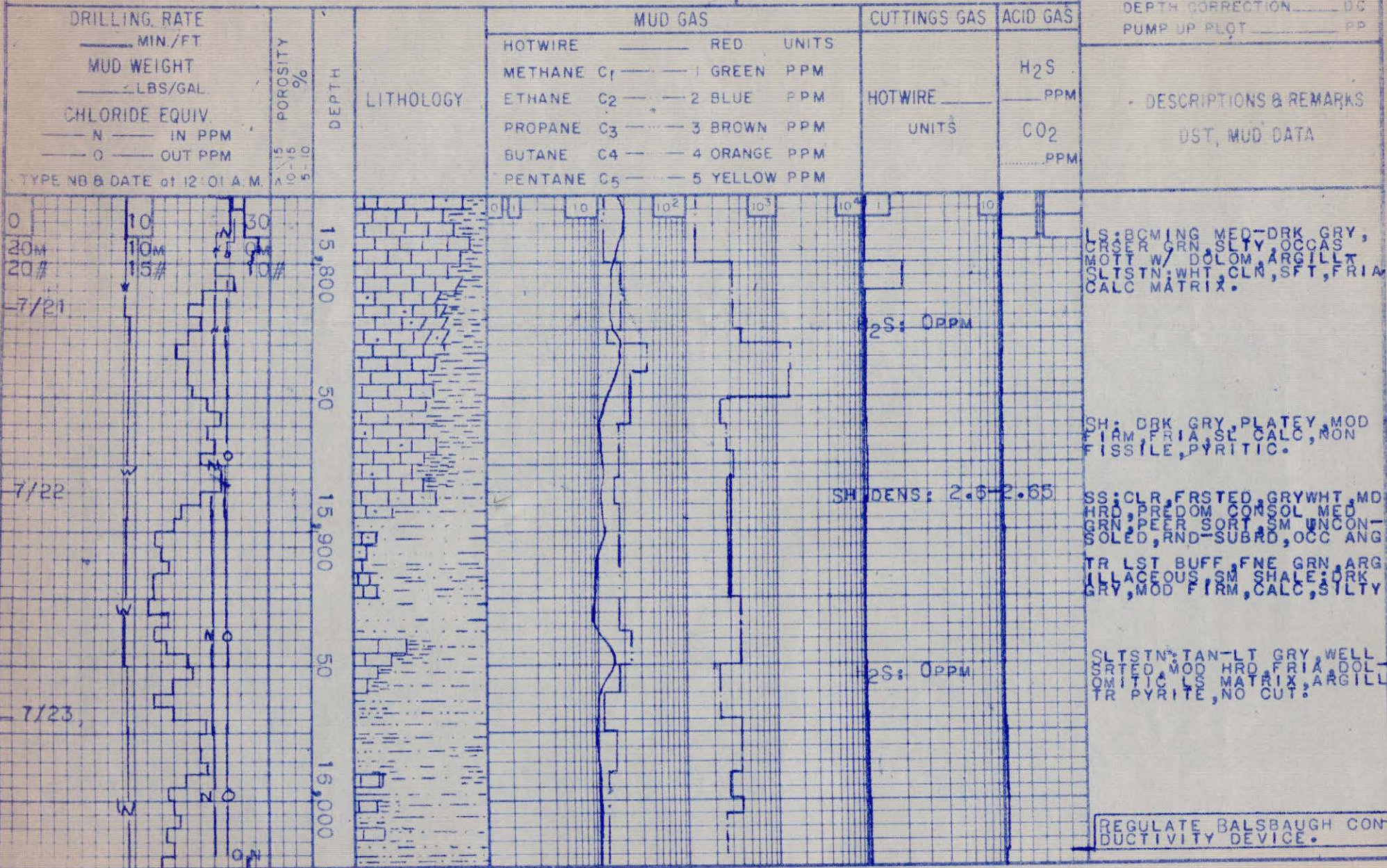
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LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



REGULATE BALSBAUGH CONDUCTIVITY DEVICE.

EXXON COMPANY, U. S. A.

WELL W W MCCOY #1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE JULY 23, 1975

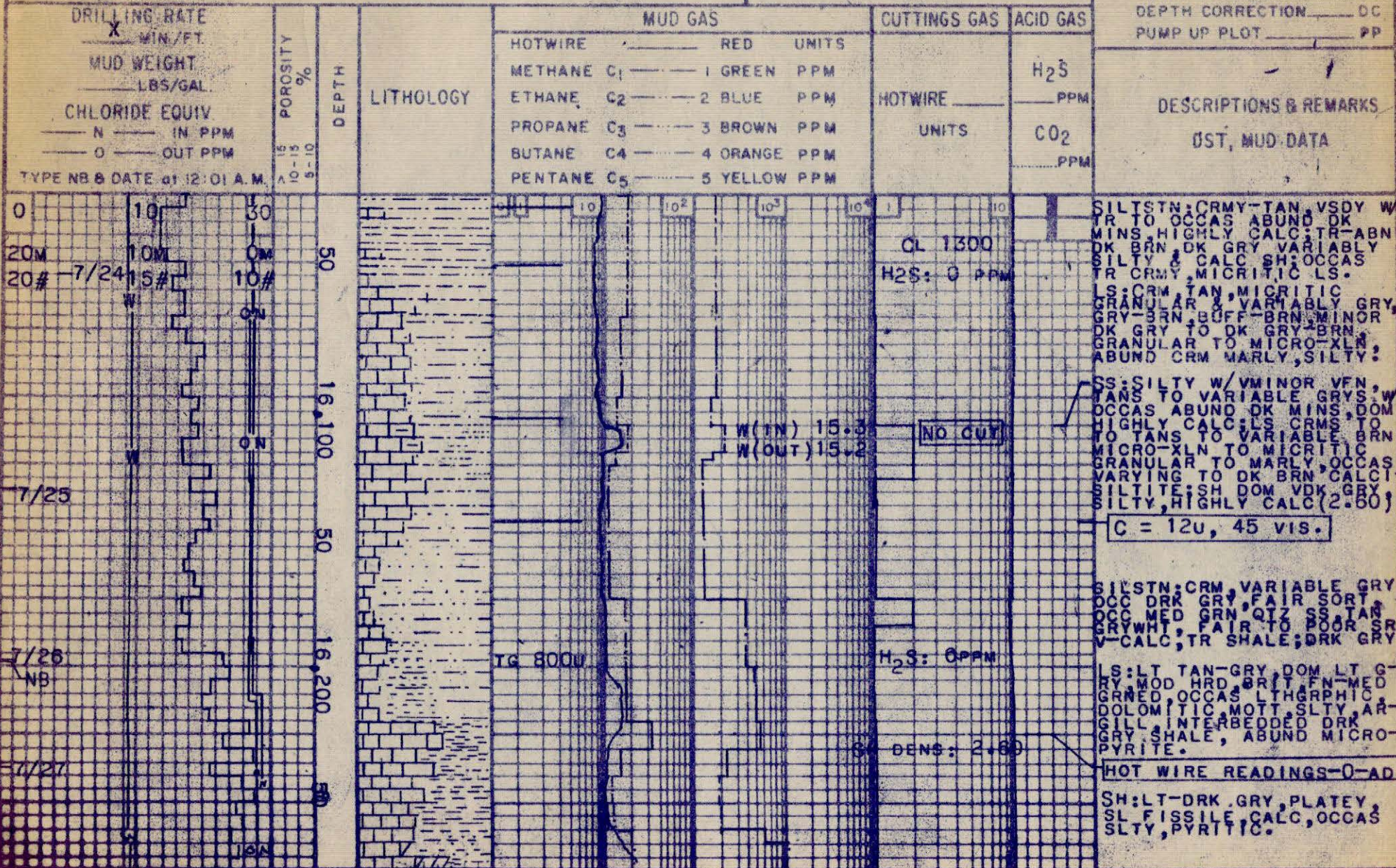
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LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
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TRIP GAS	
CONNECTION GAS	
NEW BIT	NB.
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U.S.A.

WELL W W MCCOY #1

COUNTY JACKSON

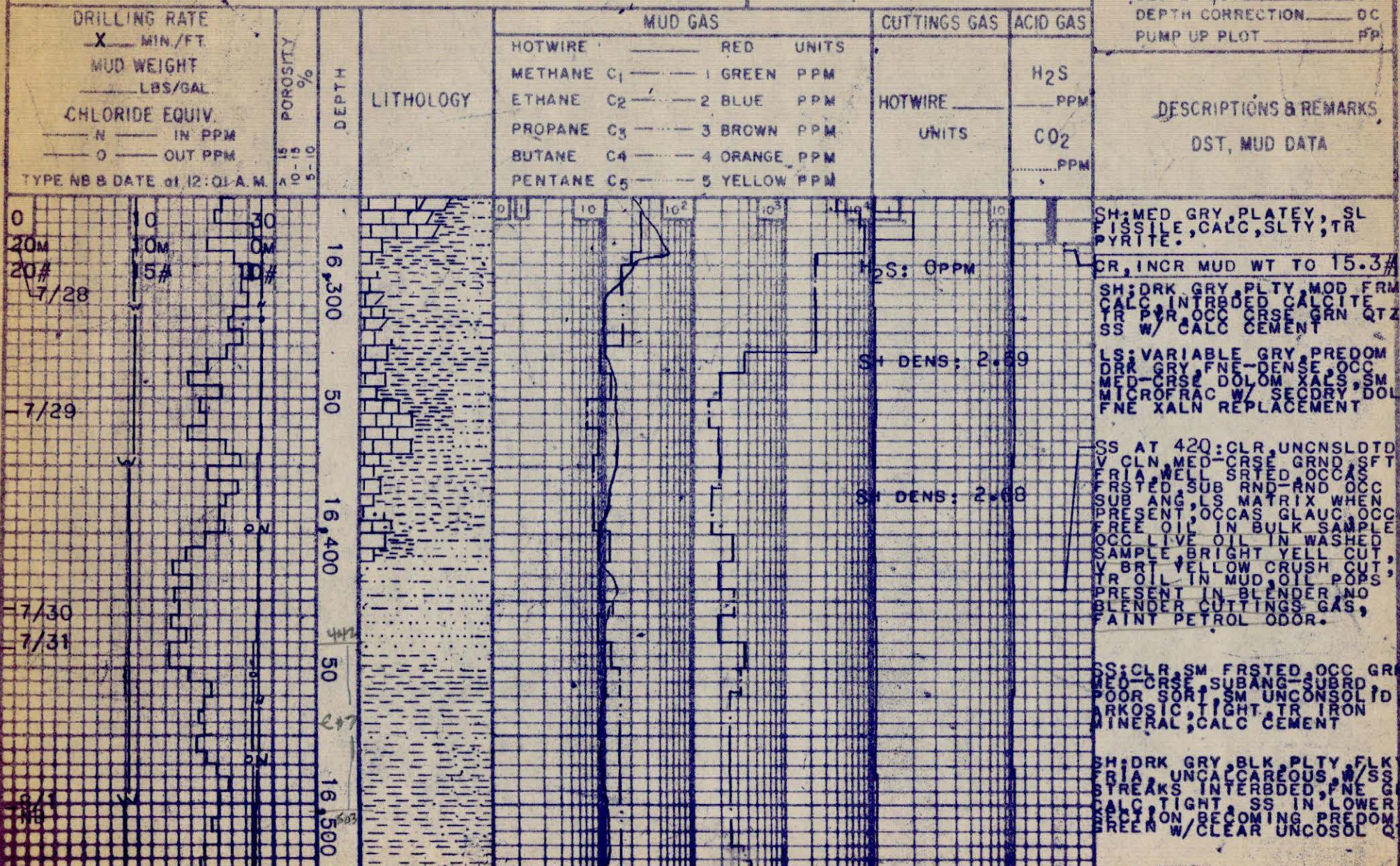
STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE JULY 27, 1975

LITHOLOGY	
	SANDSTONE
	CONGLOMERATE
	SILTSTONE
	COAL
	SHALE
	LIMESTONE
	DOLOMITE
	ANHYDRITE
	SALT
	CHERT
	BASEMENT

ABBREVIATIONS	
DRILL STEM TEST	DST
LOGGED AFTER TRIP	LAT
TRIP GAS	
CONNECTION GAS	
NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W W MCCOY # 1

COUNTY JACKSON

STATE WEST VIRGINIA

LOGGING COMPANY

EXPLORATION LOGGING

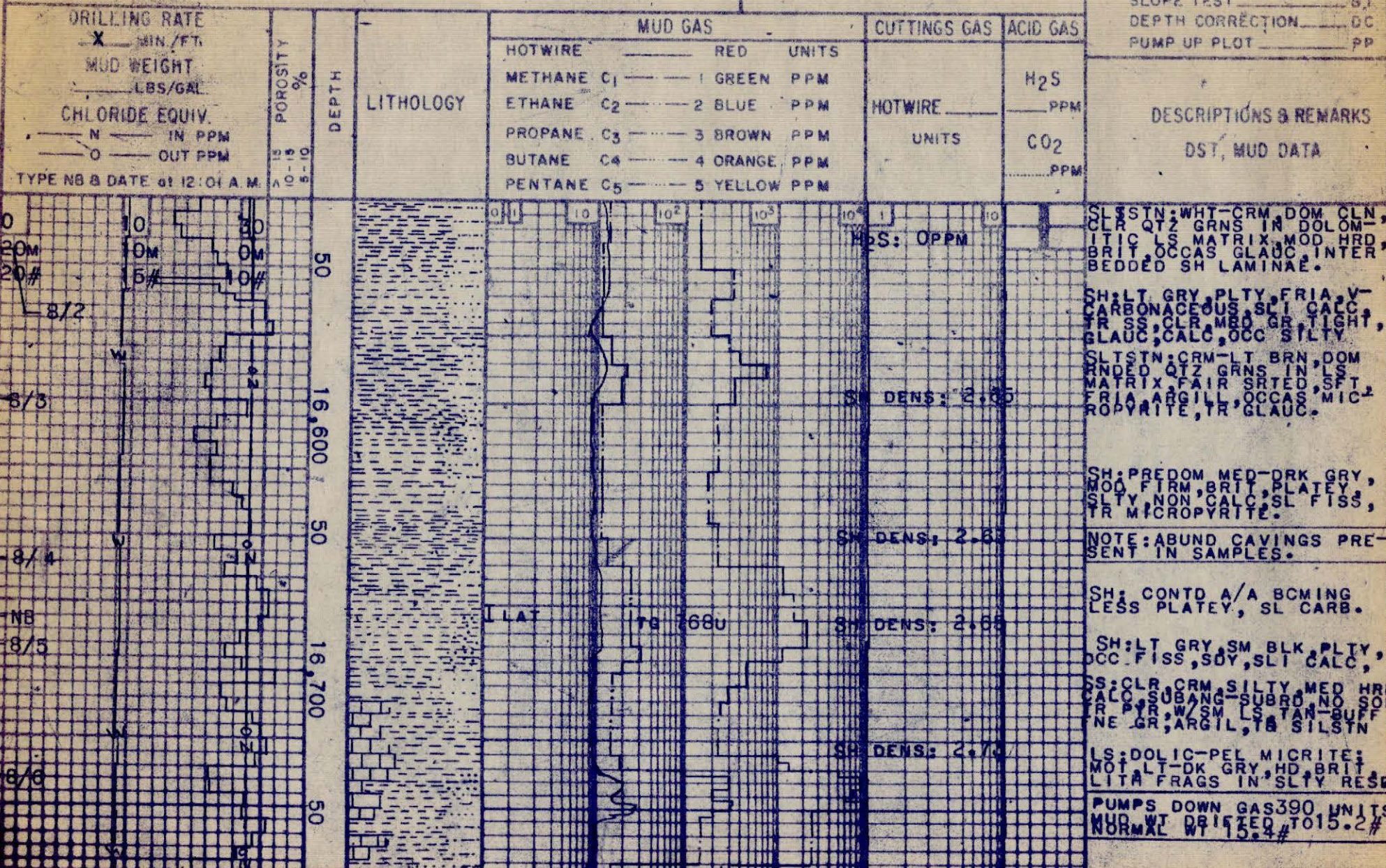
DATE JULY 31, 1975

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
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TRIP GAS	
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CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W. W. MCCOY # 1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

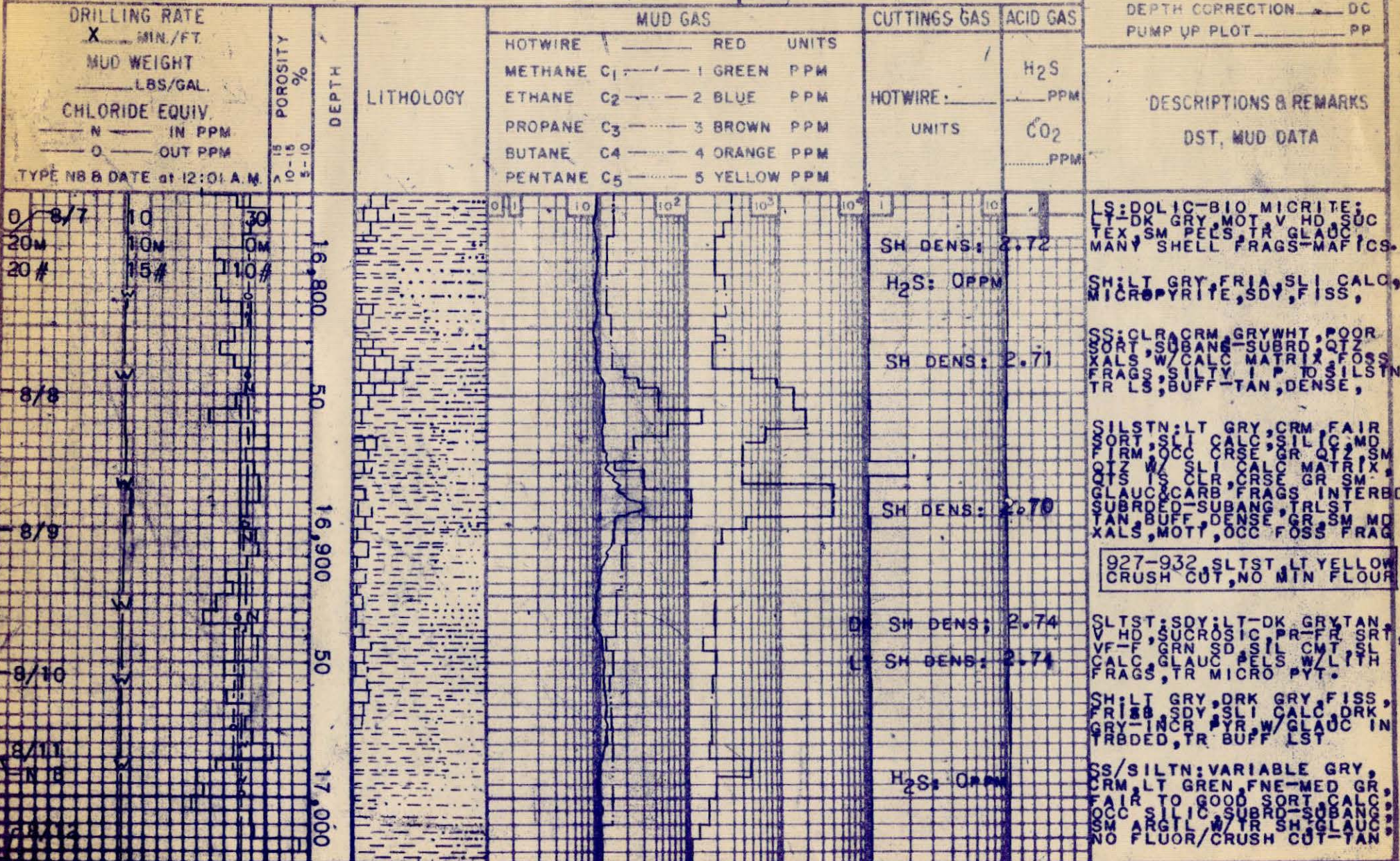
DATE AUGUST 6, 1975

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

DRILL STEM TEST	DST
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TRIP GAS	
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NEW BIT	NB
CORE BIT	CB
CIRCULATED OUT	CO
NO RETURNS	NR
SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP



EXXON COMPANY, U. S. A.

WELL W W MCCOY #1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE AUGUST 11, 1975

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

- DRILL STEM TEST _____ DST
- LOGGED AFTER TRIP _____ LAT
- TRIP GAS _____
- CONNECTION GAS _____
- NEW BIT _____ NB
- CORE BIT _____ CB
- CIRCULATED OUT _____ CO
- NO RETURNS _____ NR
- SLOPE TEST _____ ST
- DEPTH CORRECTION _____ DC
- PUMP UP PLOT _____ PP

DRILLING RATE
X MIN./FT.

MUD WEIGHT
____ LBS/GAL.

CHLORIDE EQUIV.
____ N _____ IN PPM
____ O _____ OUT PPM

NOT TO SCALE CHANGE.

POROSITY %
15
10-15
5-10

DEPTH

LITHOLOGY

MUD GAS

HOTWIRE _____ RED UNITS

METHANE C₁ _____ 1 GREEN PPM

ETHANE C₂ _____ 2 BLUE PPM

PROPANE C₃ _____ 3 BROWN PPM

BUTANE C₄ _____ 4 ORANGE PPM

PENTANE C₅ _____ 5 YELLOW PPM

CUTTINGS GAS

HOTWIRE _____

UNITS

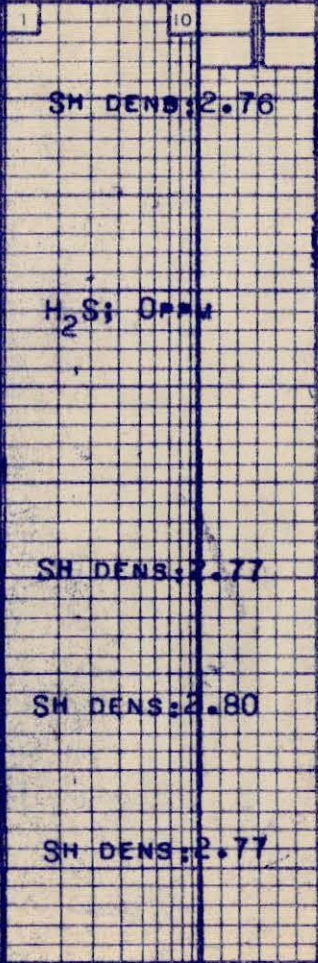
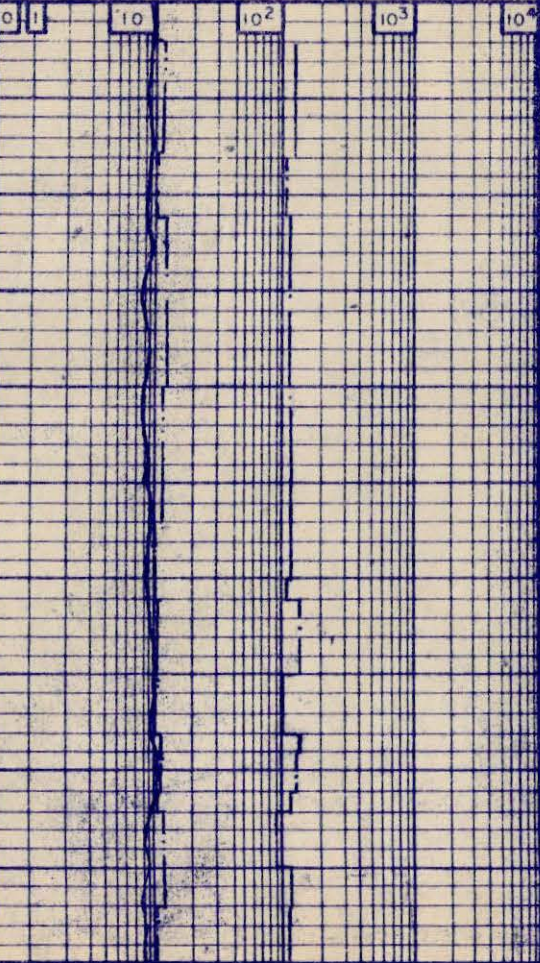
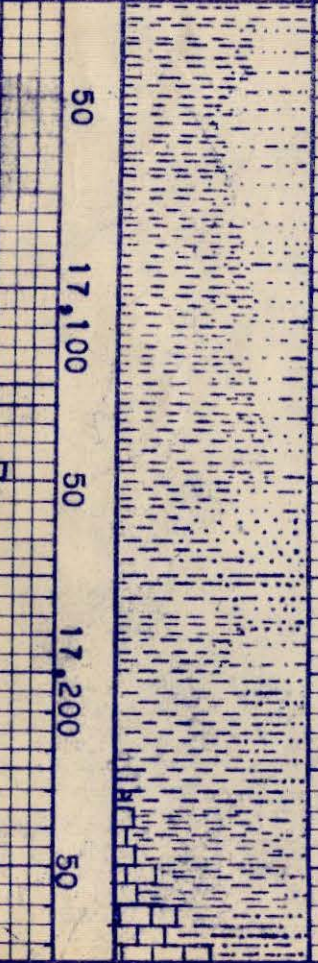
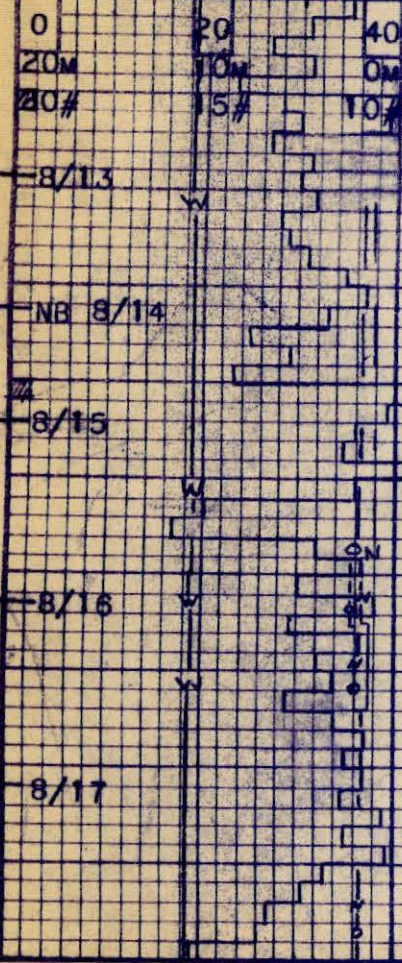
ACID GAS

H₂S _____ PPM

CO₂ _____ PPM

DESCRIPTIONS & REMARKS

DST, MUD DATA



SS: PREDOM CLR SM CRM, OCC
LT GRN CRSE, HARD TITE, SOL
SOL, SUBANG, SUBRD, W/UNCON
QZ, GRN, SLT, CALC, GRY, F-
STY, TO SILSTN, LT GRY, F-
SORT, TR MINS & GLAUC

SH: LT GRN, DRK GRY, OCC
LT GRY, FISS, BRITTLE, SIL,
SDY, UNCALC, MOD FIRM

SS: CRM, SM ORTHO-QTZ, M-
CRSE, HARD TITE, SILIC, SLT,
CALC, TR MINS & POSS FRAGS,
BECOMING MORE SILTY

SH: PREDOM M-DK GRY, SM
GRN, TR CA, MICAS ORIENTED
ALONG THE BEDDING PLANES

SS: SLTY: WH-LT GRY, M HD
VFG/SUBBRD, G SRT, PRED
CA CMT, GRADES TO SLTST.

SH: PRED M-DK GRY, SM LT
GRN, M HD BRIT, TR CA, SM
SLT, TR MICRO PYT & MICA.

SLTSTN: LT BRN, MOD SFT,
FRIA, FAIR SRTD, ARGILL,
DOLOM LS MATRIX, MED YE
LLOW CRUSH CUT.

LS: BIO-MICRITE; WHT, LT
R BRN, LT-DK MOT GRY, M
HD V ARG, SUCROSIC, BIO
& GLAUC PELS, SHELL FRAG.

EXXON COMPANY, U. S. A.

WELL W W MCCOY #1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE AUGUST 17, 1975

LITHOLOGY

- | | |
|--------------|-----------|
| SANDSTONE | DOLOMITE |
| CONGLOMERATE | ANHYDRITE |
| SILTSTONE | SALT |
| COAL | CHERT |
| SHALE | BASEMENT |
| LIMESTONE | |

ABBREVIATIONS

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 CONNECTION GAS _____
 NEW BIT _____ NB
 CORE BIT _____ CB
 CIRCULATED OUT _____ CO
 NO RETURNS _____ NR
 SLOPE TEST _____ ST
 DEPTH CORRECTION _____ DC
 PUMP UP PLOT _____ PP

DRILLING RATE X MIN./FT.	MUD WEIGHT LBS/GAL.	CHLORIDE EQUIV. N IN PPM O OUT PPM	TYPE NB & DATE of 12:01 A.M.	POROSITY % 15-10 10-5	DEPTH	LITHOLOGY	MUD GAS					CUTTINGS GAS HOTWIRE UNITS	ACID GAS H ₂ S PPM CO ₂ PPM	DESCRIPTIONS & REMARKS DST, MUD DATA
							HOTWIRE	RED	UNITS	METHANE C ₁	ETHANE C ₂			
0	20	20	8/18		17,300		0.1	10	10 ²	10 ³	10 ⁴	SH DENS: 2.68		SH: LT-MED GRY, MOD HARD NON CALC, BRIT, SL CARB, SL FISSILE, SLTY-V SLTY, OCCAS MICROPYRITE.
20	15	10	8/19		50	LAT						SH DENS: 2.80		LS: BIO-MICRITE; LT-DK MOT GRY, HD, SUCROSLIC SM BIO/GLAUC PELS, & SHELL FRAGS, SM PYRITIZATION.
			8/20		50							H ₂ S: 0PPM		LS: TAN-LT BRN, MOTT, MIC- RITIC, HRD, BRIT, SLTY, OCCAS MICAC, ABUND FOSS FRAGS, SM PYRITIZED, OCC- AS GLAUC PELS.
			8/21		17,400							SH DENS: 2.80		SH: M-DK GRY, HD, BRIT, TR CA CMT, SLTY, TR PYRITE.
			8/22		50							H ₂ S: 0PPM		SS: CLR-WHT, MOD HRD, BRIT, MED-CRSE GRN, SUB ANG- SUB RND, FAIR SRTD, OCCAS UNCONSOLIDATED GRNS, CALCITE MATRIX, TIGHTLY PACKED, TR MICROPYRITE.
			8/23		17,500							SH DENS: 2.81		LS: BIO-MICRITE; PRED LT- DK, MOT GRY, BLK, SM TAN, GRY-HD, BRIT, TAN-SFT, SUCROSLIC ARG, ABUND PELS & FOSS FRAGS, TR PYRITE.
												SH DENS: 2.81		LS: BCMING MOTT W/ REPL- ACEMENT DOLOM, SLTY, CRSE GRNED, DECREASING FOSS FRAGS, OCC LOOSE, CLR, MED GRNED, SAND GRAINS.
														SS: CLR, V HD, M-C GRN, SUB ANG-RND GRNS, PR SRTD, SIL CMT, SM CA ABUND, MA- FICS, SL YEL CRUSH CUT.

EXXON COMPANY, U. S. A.

WELL W W MCCOY # 1

COUNTY JACKSON STATE WEST VIRGINIA

LOGGING COMPANY EXPLORATION LOGGING

DATE AUGUST 23, 1975

LITHOLOGY

	SANDSTONE		DOLOMITE
	CONGLOMERATE		ANHYDRITE
	SILTSTONE		SALT
	COAL		CHERT
	SHALE		BASEMENT
	LIMESTONE		

ABBREVIATIONS

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SLOPE TEST	ST
DEPTH CORRECTION	DC
PUMP UP PLOT	PP

