



FIVE INCH ROP-MD

COUNTY	Washington County
FIELD	Giddings
LOCATION	Washington County
WELL	Bighorn Pass H06 BH
COMPANY	Magnolia Oil & Gas

COMPANY	Magnolia Oil & Gas	RIG	248
CONTRACTOR	Patterson-UTI		
WELL	Bighorn Pass H06 BH		
FIELD	Giddings		
COUNTRY	Washington County	STATE	Texas
X= 3155270.2 Y= 233706.57		Other Services One Inch ROP-MD	
LOCATION			
API SERIAL NO	SECTION	TOWNSHIP	RANGE
42-477-31181			

	Elev.	KB	387'
SPUD DATE	10/8/2021	TOTAL DEPTH	13,846'
LOGGING STARTED	11/8/2021	@ 9,790'	D.F. 28"
LOGGING FINISHED	11/10/2021	@ 13,846'	G.L. 359'
		S.F.	

BORE HOLE RECORD

SOLE SIZE	FROM	TO	SIZE	WGT	FROM	TO
6.75"	9.790"	13.846"	7.625"	29.7#	Surface	9.774"
















CASING RECORD

[illegible]

REMARKS: All depths correspond to drillers tally.

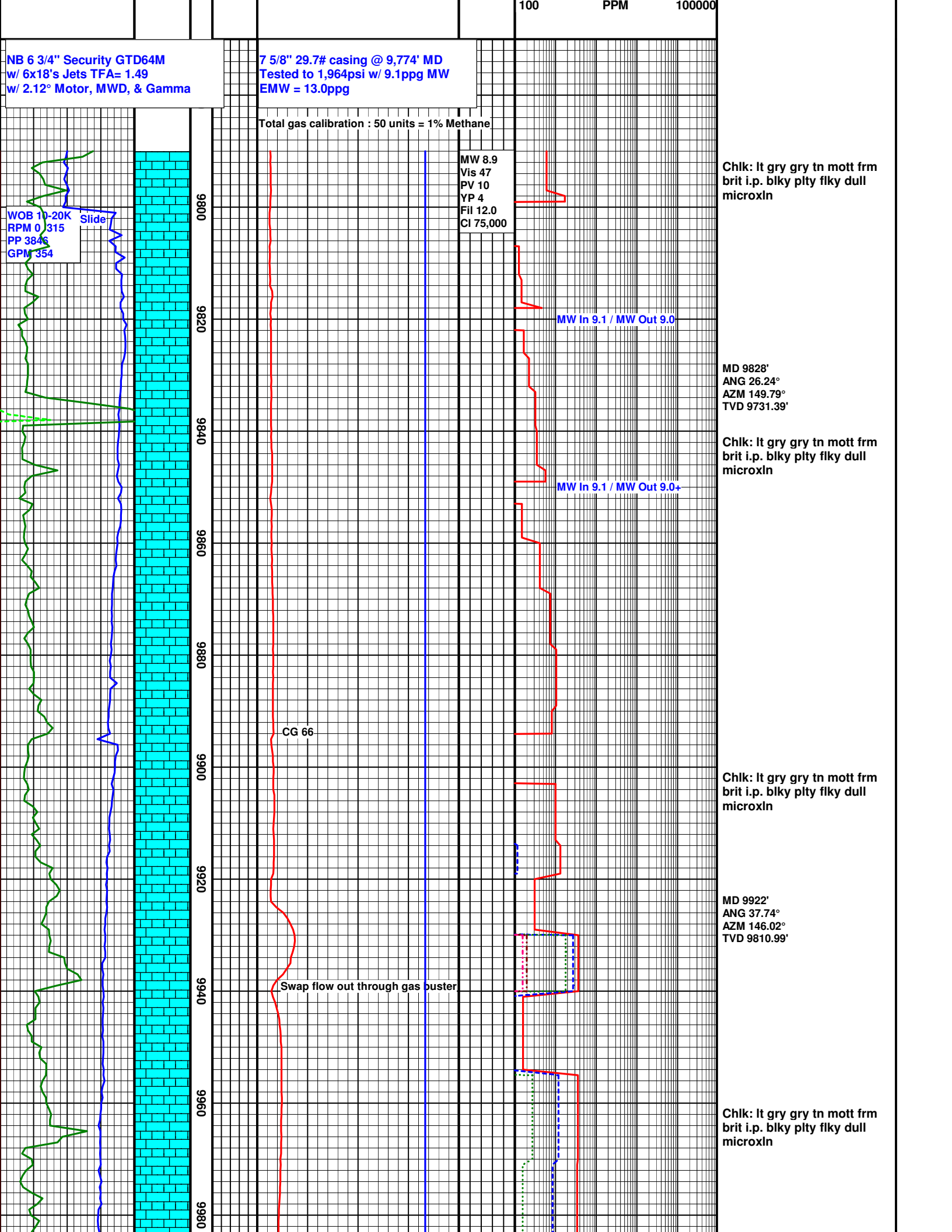
LOGGING PERSONNEL L.J. Dufrene, Chase Melancon

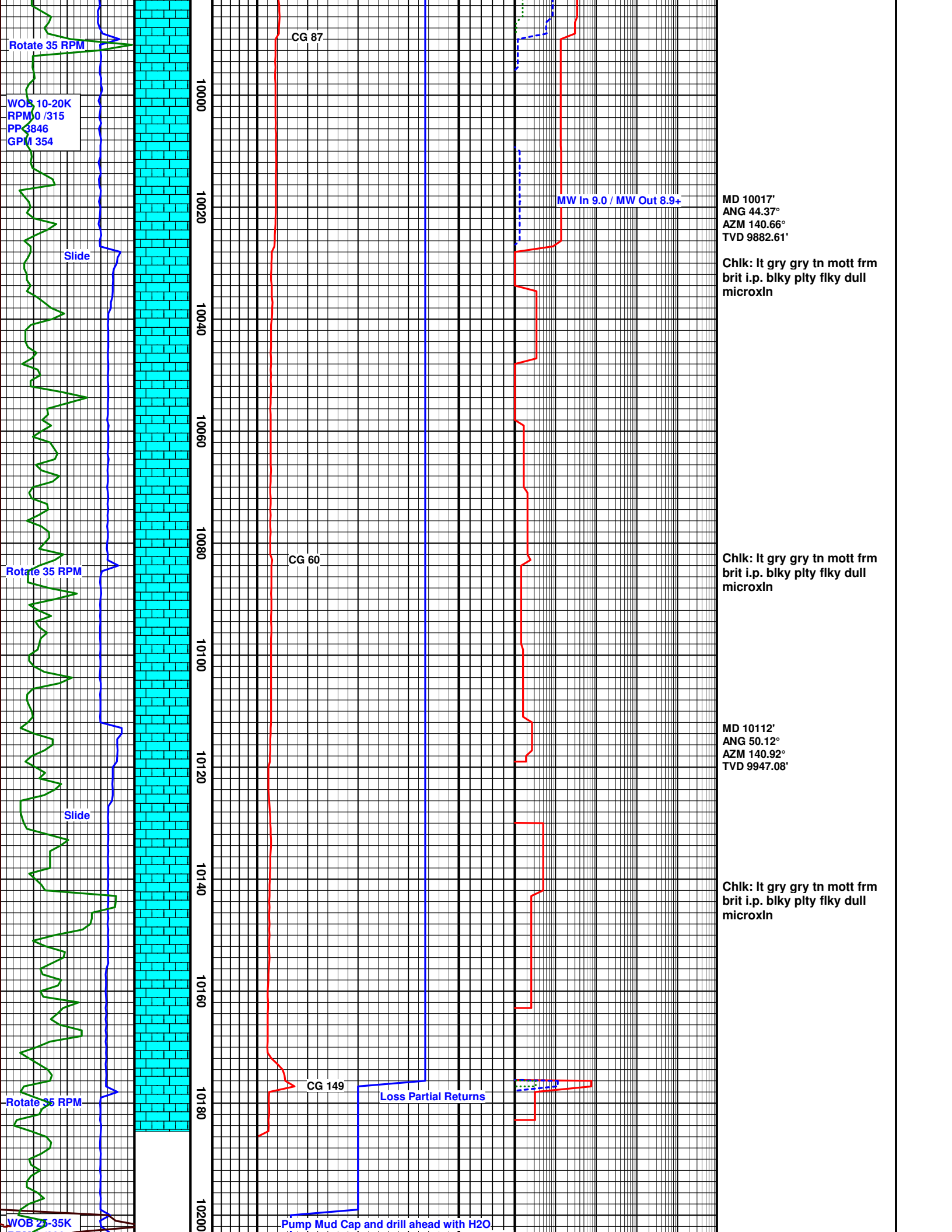
FOLD HERE **THE WELL NAME AND BOREHOLE REFERENCE DATA WERE FURNISHED BY THE CUSTOMER**

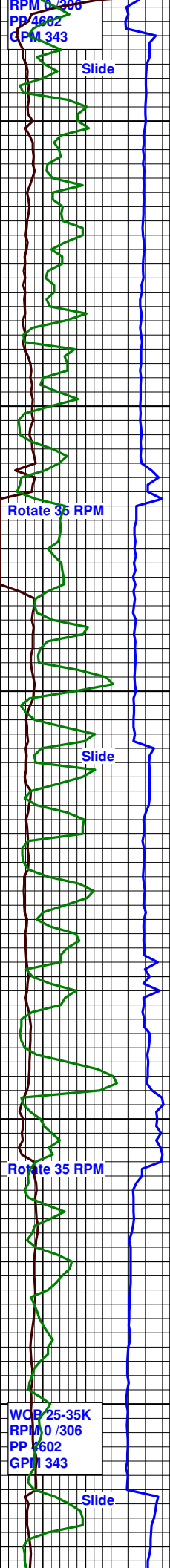
Company	Magnolia Oil & Gas	Shale	Limestone	Anhydrite	Dolomite	No Sample
Well	Bighorn Pass H06 BH					
Location	Washington County	Sandstone	Coal	Ash	Sandy Limestone	Salt - Na
Supervisor	LJ Dufrene					
Unit	LR05	Siltstone	Cement	Chalk	Marl	Salt - K
						

SHOWS HAVE THE FOLLOWING SIGNIFIGANCE			
T - TRACE [ZONE OF INTEREST]	NDB - NEW DIAMOND BIT	UDB - USED DIAMOND BIT	CG - CONNECTION GAS
P - POOR SHOW PROBABLY NOT PRODUCTIVE	NB - NEW BIT	CO - CIRCULATING OUT	NR - NO RETURNS
F - FAIR SHOW POSSIBLY PRODUCTIVE	TG - TRIP GAS	LAT - LOGGED AFTER TRIP	DS - DIRECTIONAL SURVEY
G - GOOD SHOW PROBABLY PRODUCTIVE			

ROP			Lith		Frac.	Gas	Fluor	Chromatograph			Remarks		
ROP						Total Gas			Methane				
600	Ft/Hr	0				0	Units		800	100	PPM		100000
Casing Pressure						Kick/Loss			Ethane				
0	PSI	1000				-5	1		100	PPM	100000		
GAMMA						Propane							
0	API	150				100	PPM		100000				
						IButane							
			NButane										







10220
10240
10260
10280
10300
10320
10340
10360
10380
10400
10420

Drill With Water - No Returns

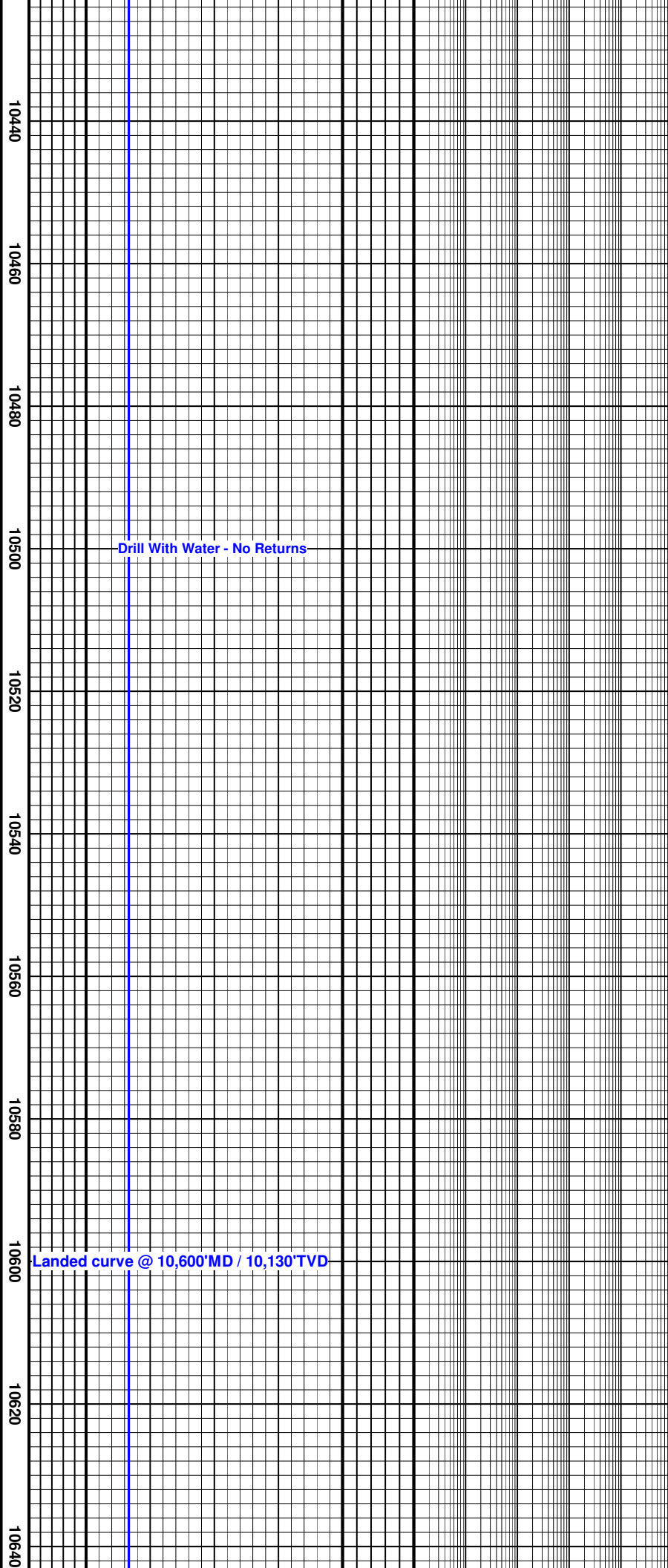
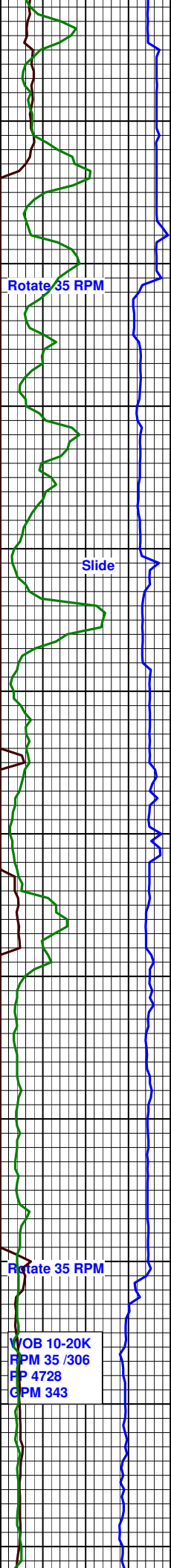
Drill With Water - No Returns

11/09/2021
MW 8.4
Vis 29
PV 2
YP 1
CI 1600

MD 10207'
ANG 56.83°
AZM 145.75°
TVD 10003.65'

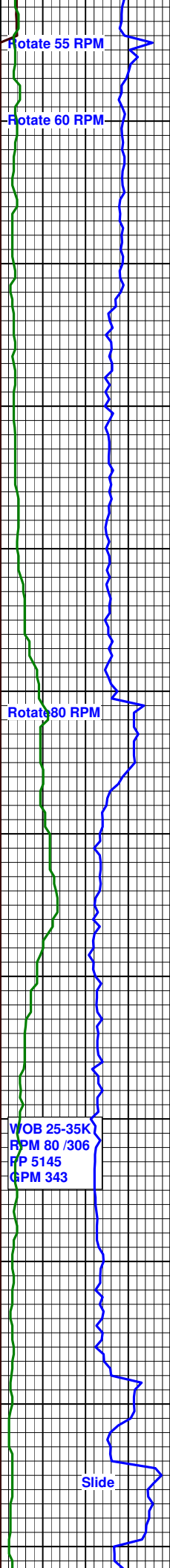
MD 10302'
ANG 64.46°
AZM 148.98°
TVD 10050.19'

MD 10396'
ANG 71.03°
AZM 151.20°
TVD 10085.78'



MD 10490'
ANG 75.04°
AZM 147.83°
TVD 10113.21'

MD 10584'
ANG 85.45°
AZM 149.85°
TVD 10129.11'



Rotate 55 RPM

Rotate 60 RPM

Rotate 80 RPM

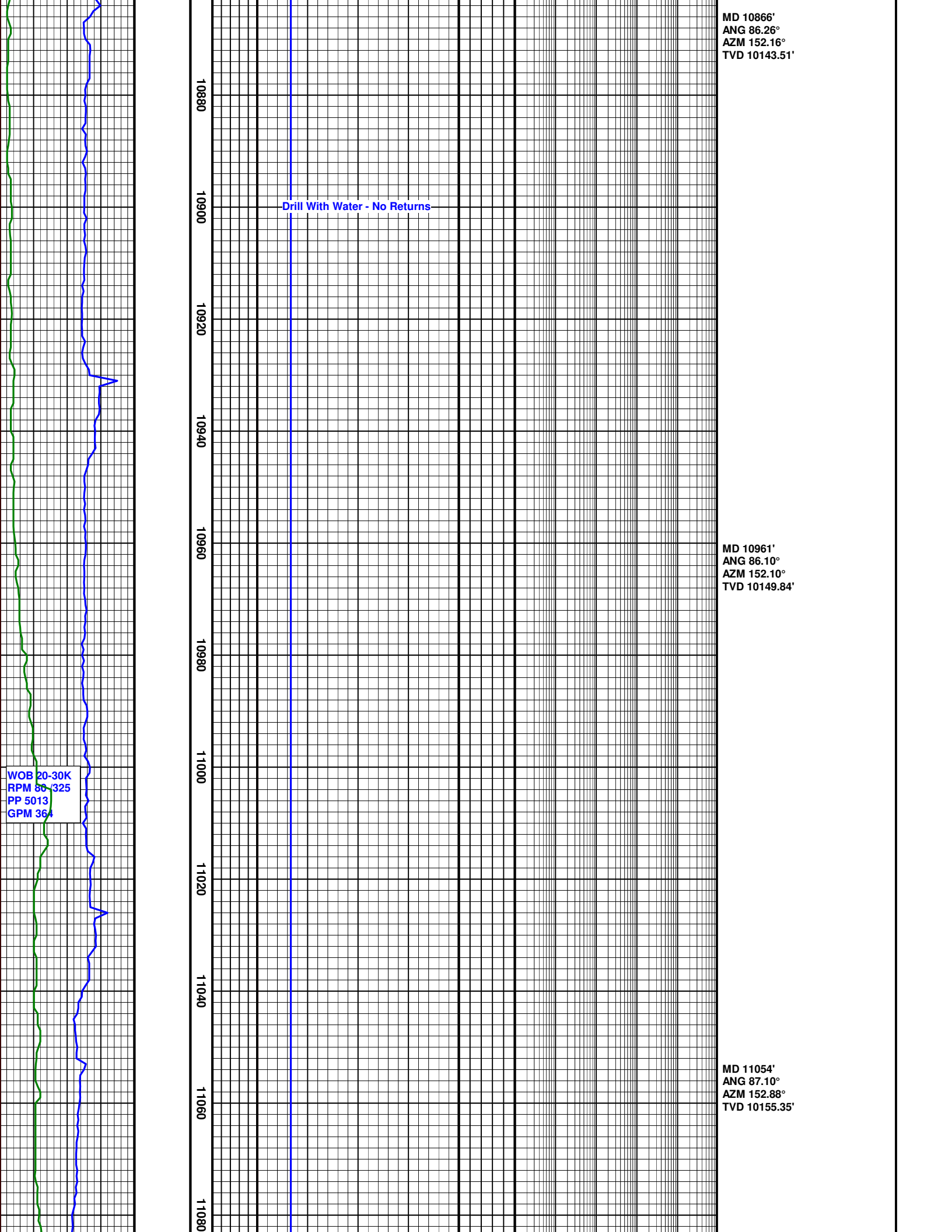
WOB 25-35K
RPM 80 /306
RP 5145
GPM 343

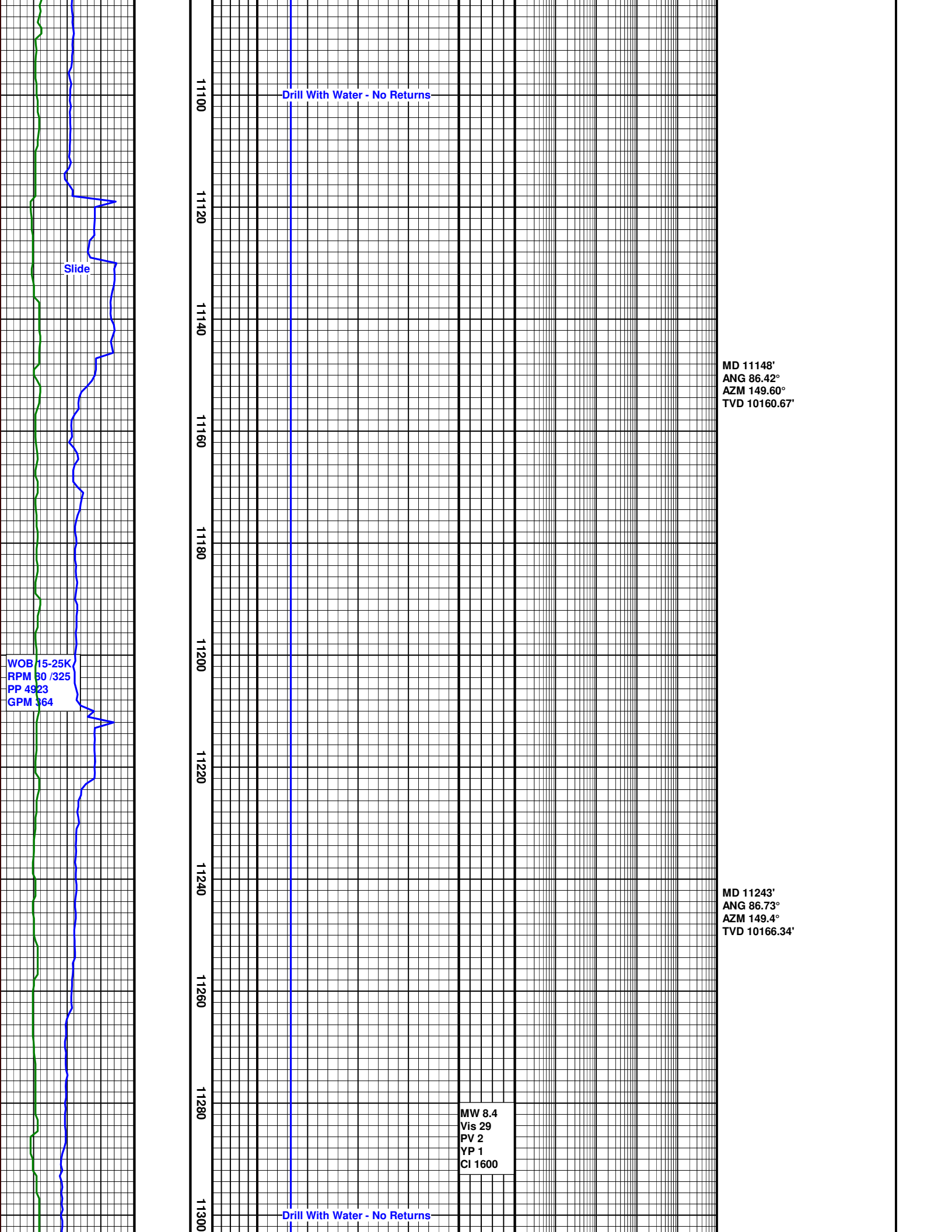
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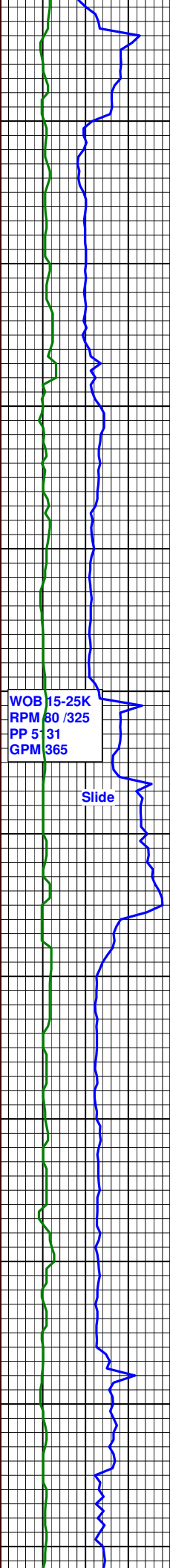
Drill With Water - No Returns

MD 10678'
ANG 87.53°
AZM 151.29°
TVD 10134.87'

MD 10773'
ANG 87.83°
AZM 151.07°
TVD 10138.71'







WOB 15-25K
RPM 80 /325
PP 5' 31
GPM 365

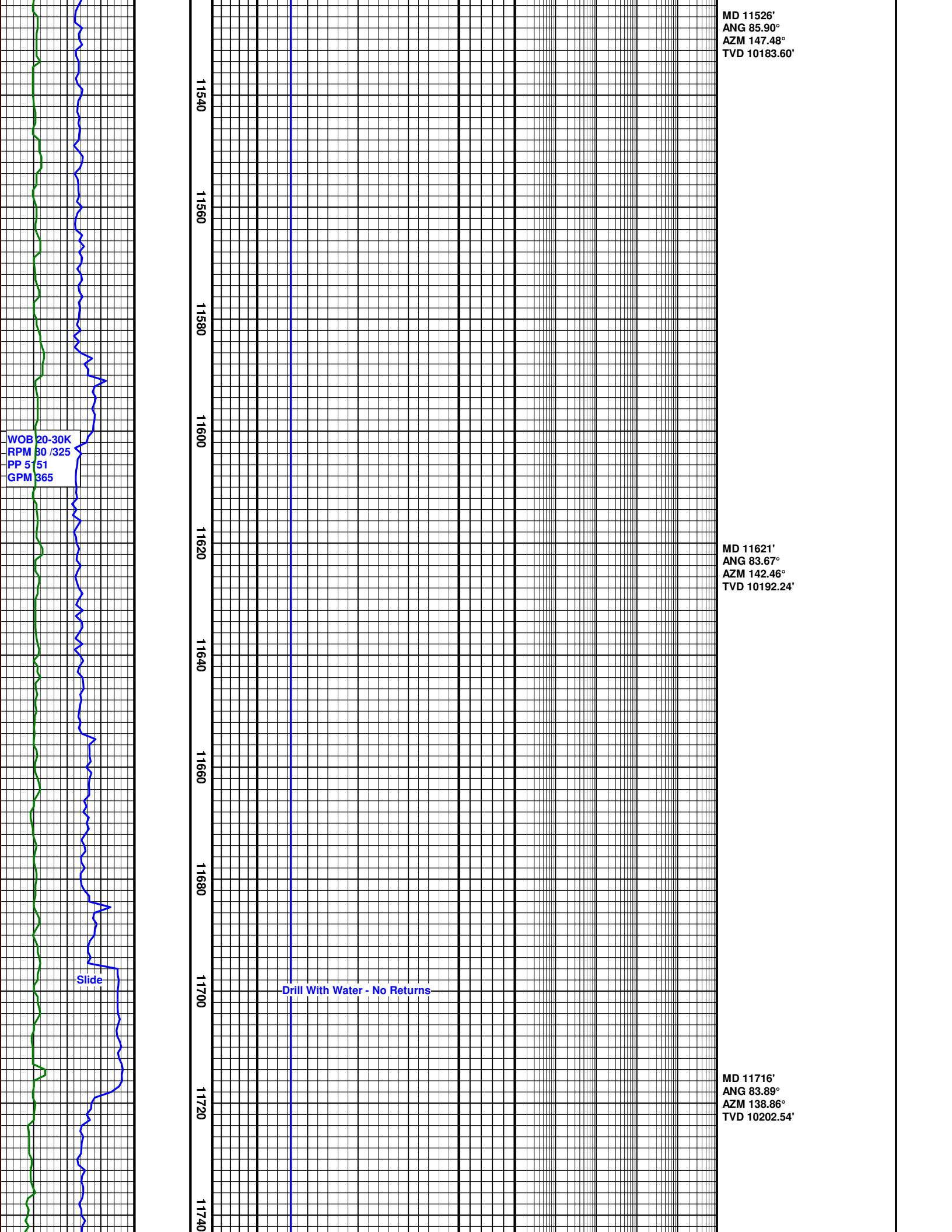
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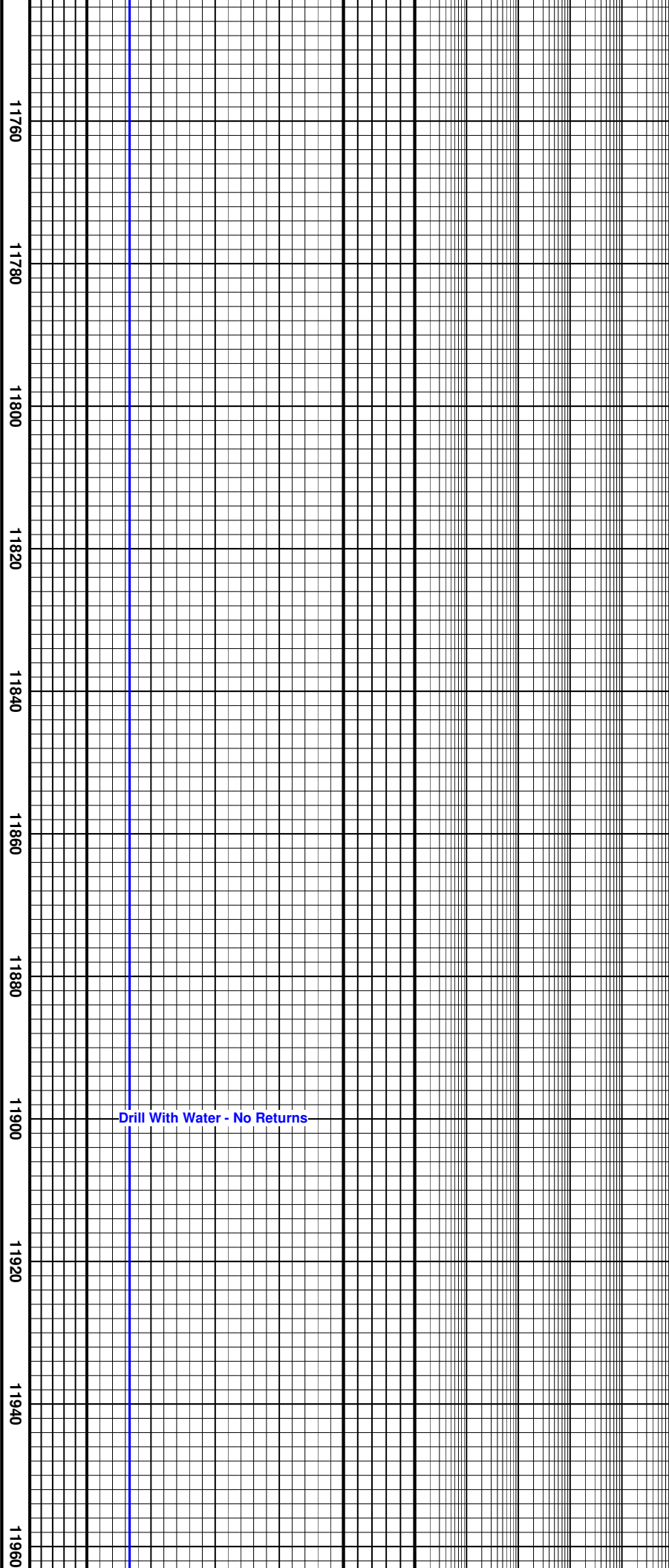
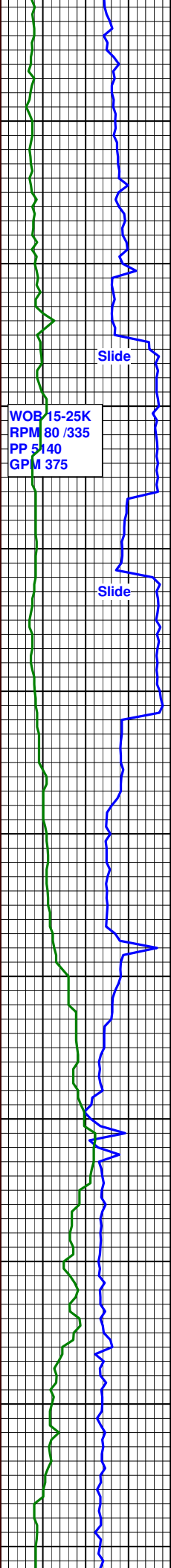
11320
11340
11360
11380
11400
11420
11440
11460
11480
11500
11520

Drill With Water - No Returns

MD 11337'
ANG 86.76°
AZM 153.36°
TVD 10171.68'

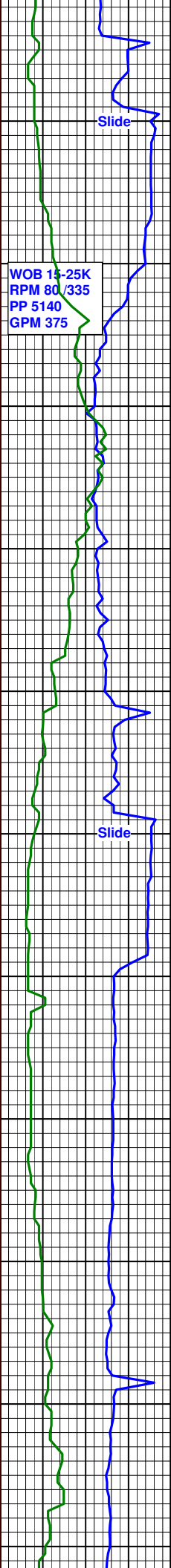
MD 11432'
ANG 86.44°
AZM 148.64°
TVD 10177.32'





MD 11810'
ANG 86.16°
AZM 142.71°
TVD 10210.69'

MD 11904'
ANG 87.54°
AZM 146.04°
TVD 10215.86'

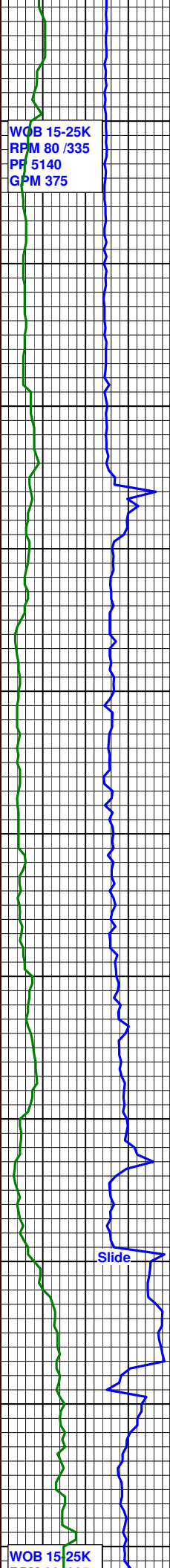


11980 12000 12020 12040 12060 12080 12100 12120 12140 12160 12180

Drill With Water - No Returns

MD 11998'
ANG 87.52°
AZM 148.95°
TVD 10219.91'

MD 12092'
ANG 87.80°
AZM 154.54°
TVD 10223.75'



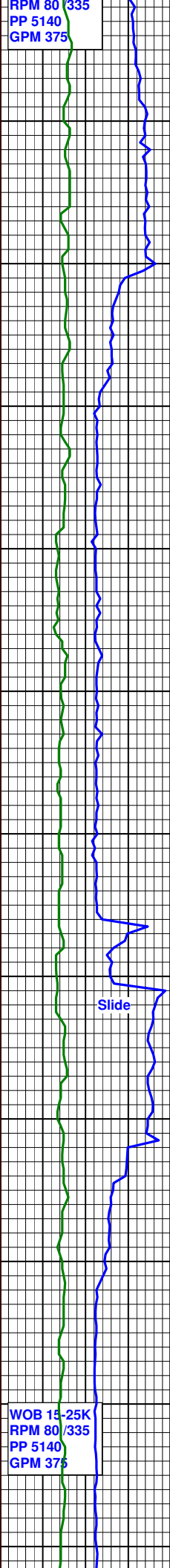
MD 12186'
ANG 88.60°
AZM 151.73°
TVD 10226.70'

MD 12280'
ANG 89.06°
AZM 151.48°
TVD 10228.62'

MD 12373'
ANG 87.90°
AZM 151.18°
TVD 10231.09'

RPM 80/335
PP 5140
GPM 375

WOB 15-25K
RPM 80/335
PP 5140
GPM 375



12420
12440
12460
12480
12500
12520
12540
12560
12580
12600
12620

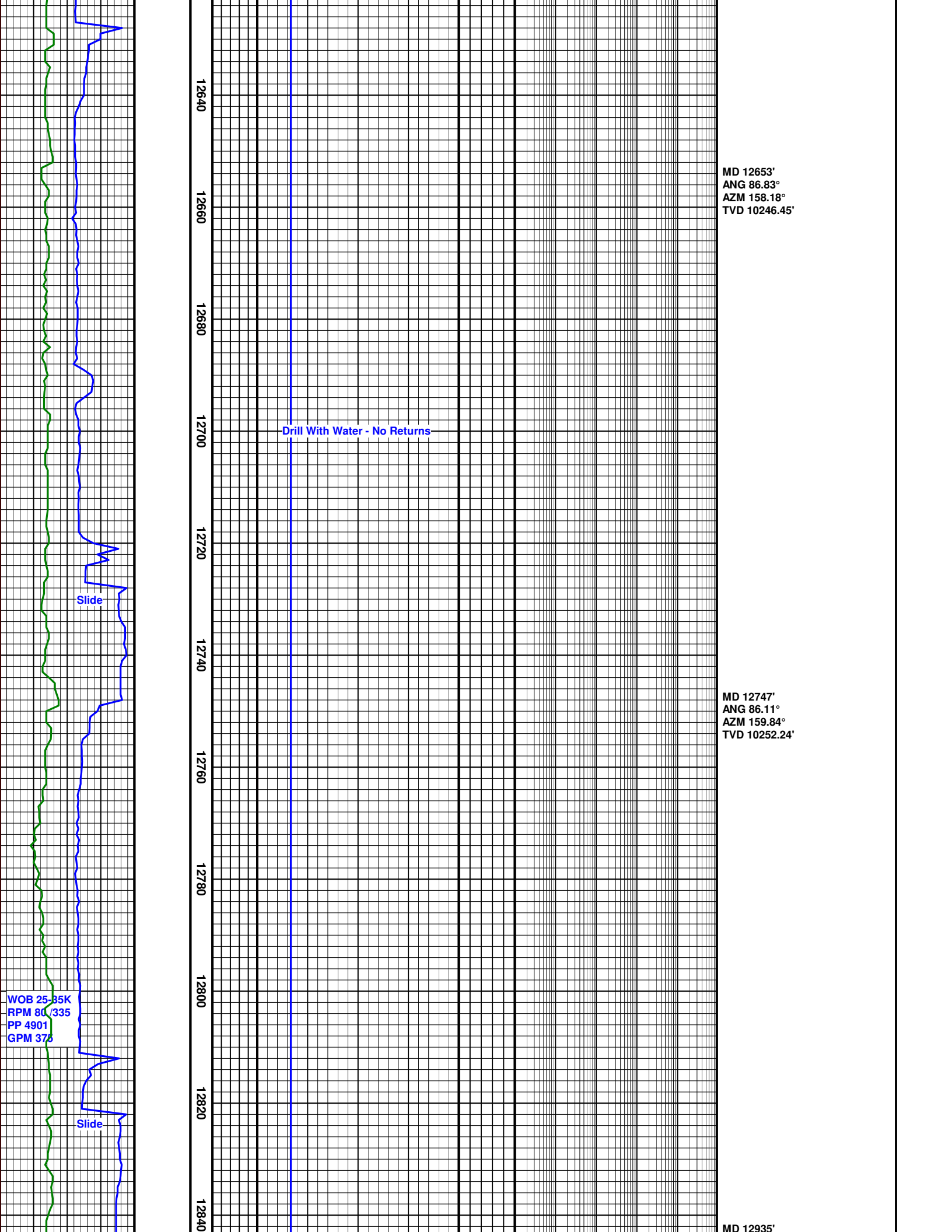
Drill With Water - No Returns

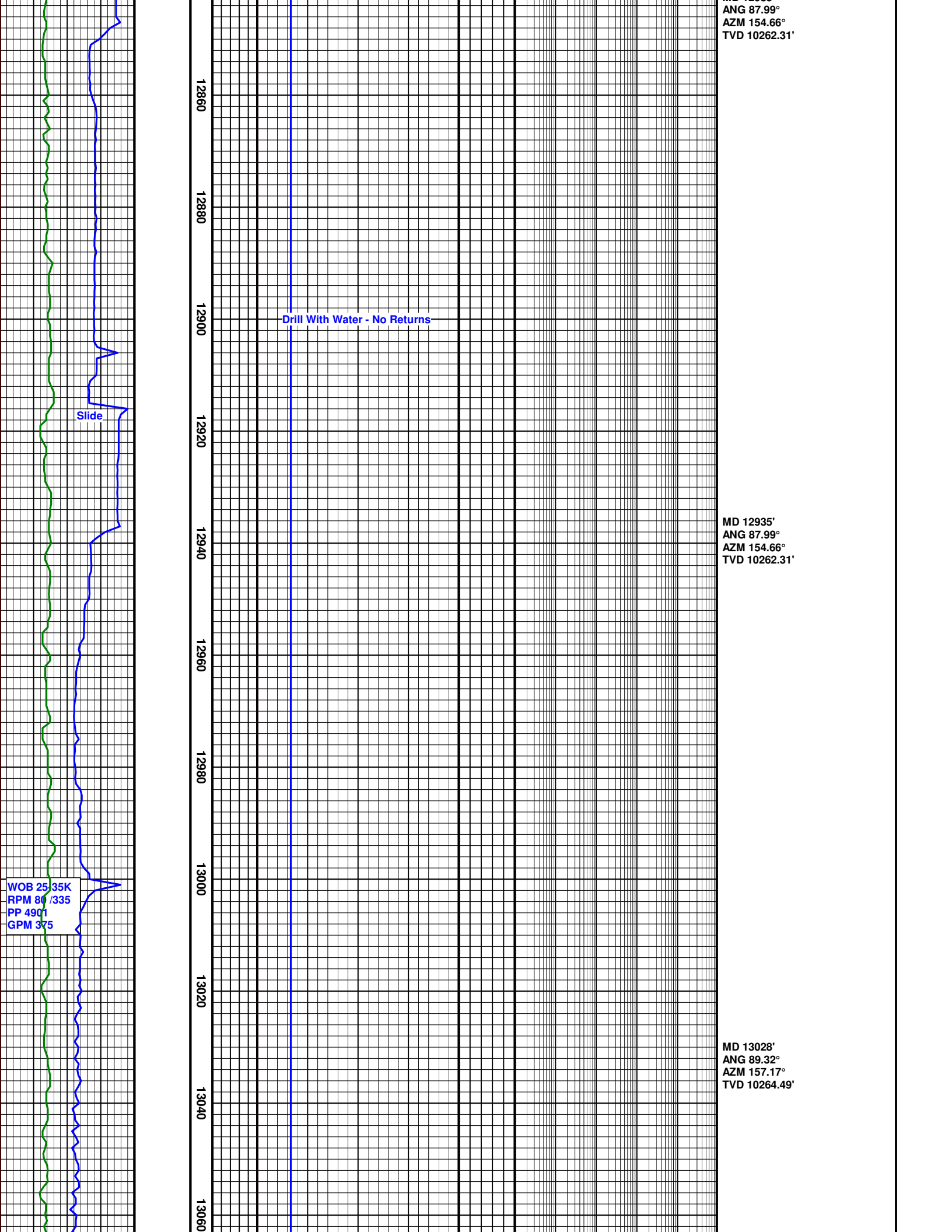
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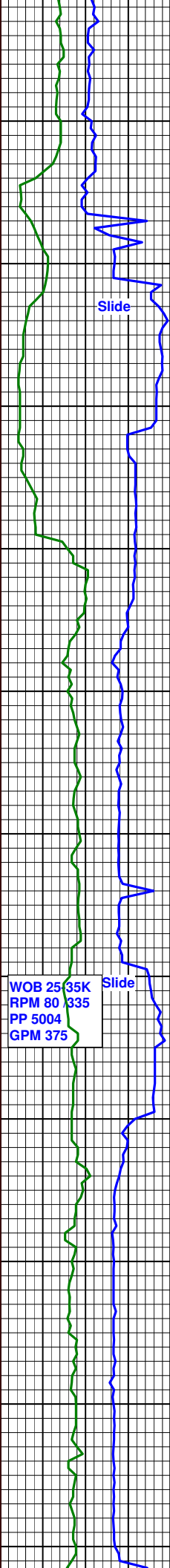
11/10/2021
MW 8.4
Vis 28
PV 1
YP 2
CI 1400

MD 12466'
ANG 89.39°
AZM 148.33°
TVD 10235.72'

MD 12561'
ANG 86.82°
AZM 154.62°
TVD 10241.35'







13080
13100
13120
13140
13160
13180
13200
13220
13240
13260
13280

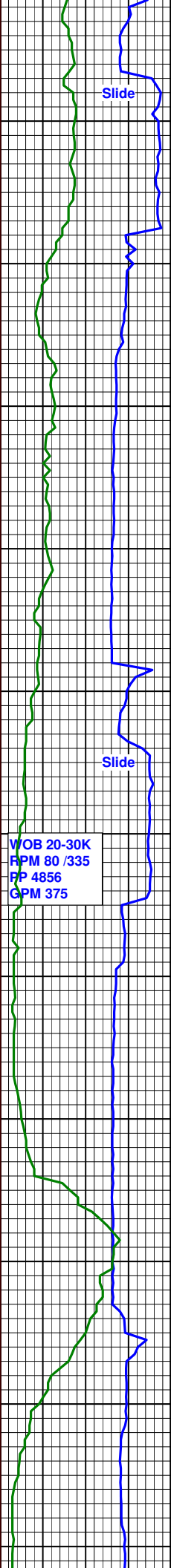
Drill With Water - No Returns

MD 13122'
ANG 88.31°
AZM 155.59°
TVD 10266.43'

MD 13217'
ANG 88.66°
AZM 154.79°
TVD 10268.94'

WOB 2535K
RPM 80335
PP 5004
GPM 375

Slide



Slide

Slide

WOB 20-30K
RPM 80 /335
PP 4856
GPM 375

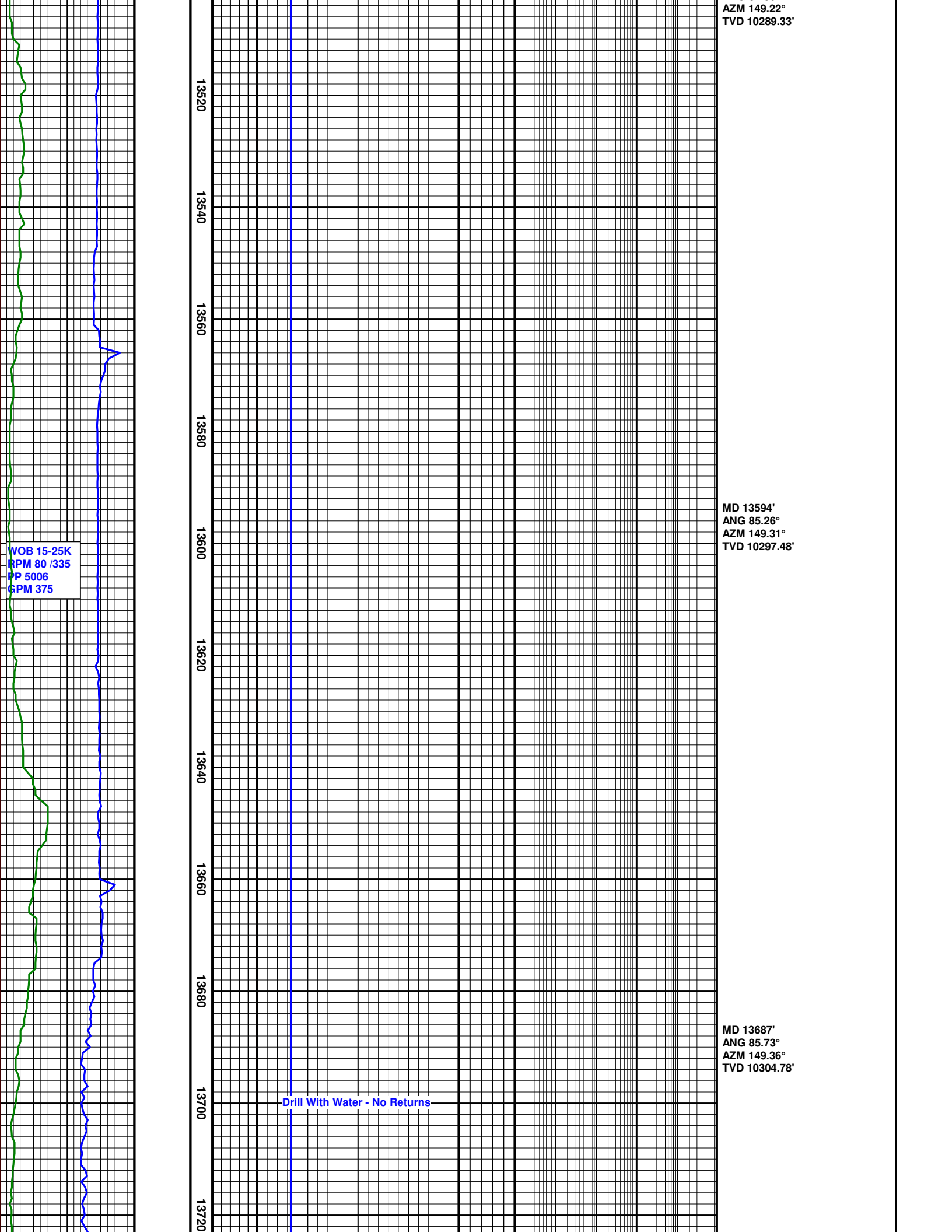
Drill With Water - No Returns

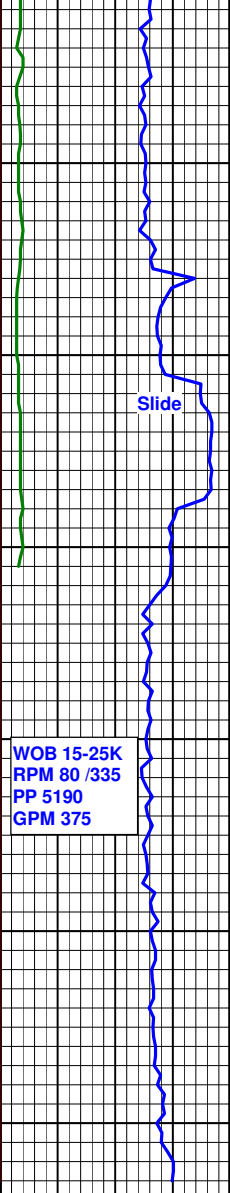
Drill With Water - No Returns

MD 13311'
ANG 86.09°
AZM 153.44°
TVD 10273.25'

MD 13406'
ANG 84.79°
AZM 149.91°
TVD 10280.80'

MD 13500'
ANG 84.80°





Released from well @ 13,846' MD / 10,317' TVD

MD 13782'
ANG 85.59°
AZM 148.04°
TVD 10311.97'

<div> <div>GAMMA</div> <div>0 API 150</div> <div>Casing Pressure</div> <div>0 PSI 1000</div> <div>ROP</div> <div>600 Ft/Hr 0</div> </div>	13860					<div>NButane</div> <div>100 PPM 100000</div>		
						<div>IButane</div> <div>100 PPM 100000</div>		
						<div>Propane</div> <div>100 PPM 100000</div>		
						<div>Ethane</div> <div>100 PPM 100000</div>		
						<div>Methane</div> <div>100 PPM 100000</div>		
ROP	Lith	Frac.	Gas	Fluor	Chromatograph	Remarks		