

NB 6 3/4" Security GTD64M  
w/ 6x18's Jets TFA= 1.49  
w/ 2.12° Motor, MWD, & Gamma

7 5/8" 29.7# casing @ 10,022' MD  
Tested to 1,970psi w/ 9.2ppg MW  
EMW = 13.0ppg

WOB 15-25K  
RPM 0 / 268  
PP 4295  
GPM 394

Slide

Total gas calibration : 50 units = 1% Methane

MW In 9.2 / MW Out 9.2

Chlk: lt gry gry tn mott frm  
brit i.p. blkly plty flky dull  
microxln

MD 10071'  
ANG 23.34°  
AZM 351.71°  
TVD 9939.37'

Chlk: lt gry gry tn mott frm  
brit i.p. blkly plty flky dull  
microxln

MW In 9.1 / MW Out 9.1+

CG 27

Chlk: lt gry gry tn mott frm  
brit i.p. blkly plty flky dull  
microxln

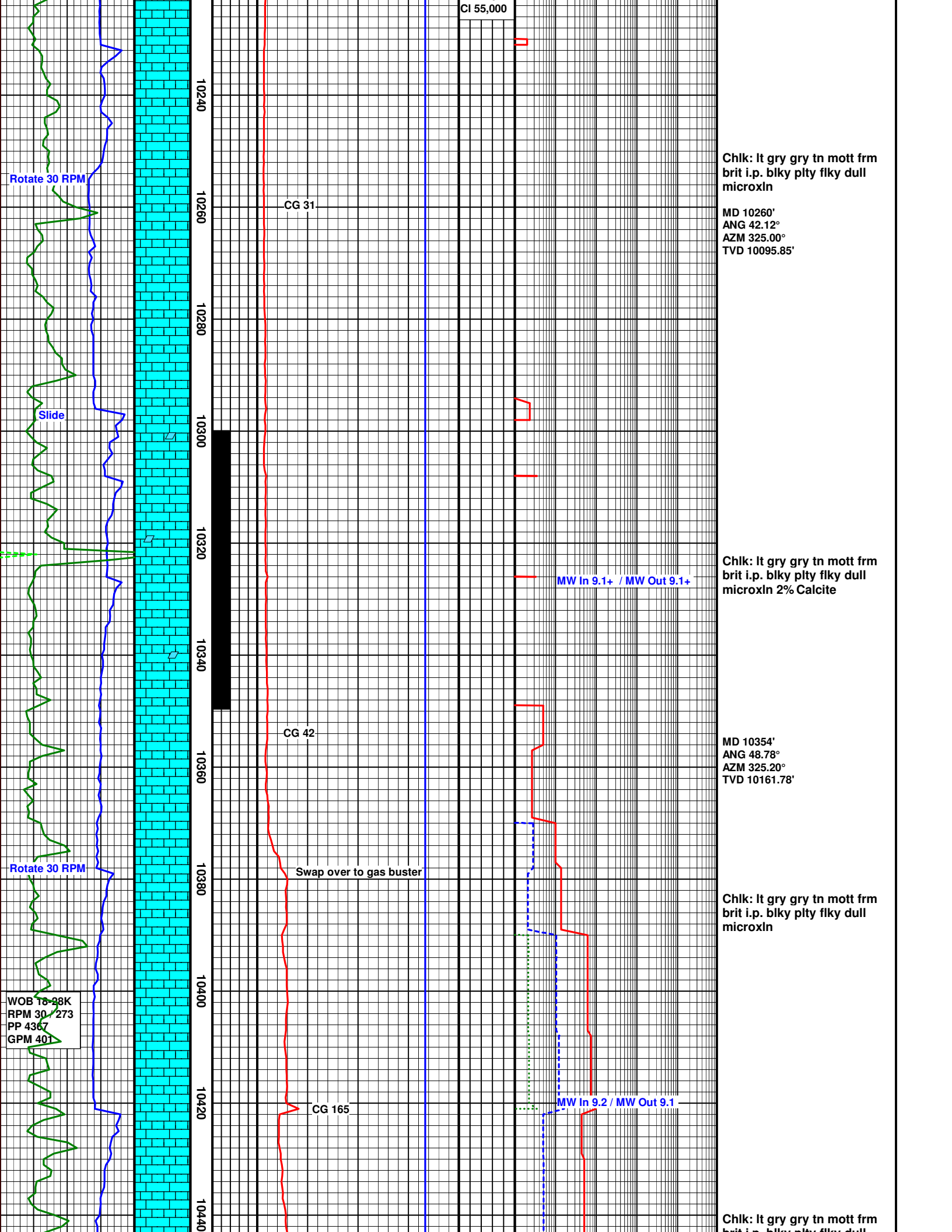
MD 10164'  
ANG 34.79°  
AZM 336.91°  
TVD 10002.62'

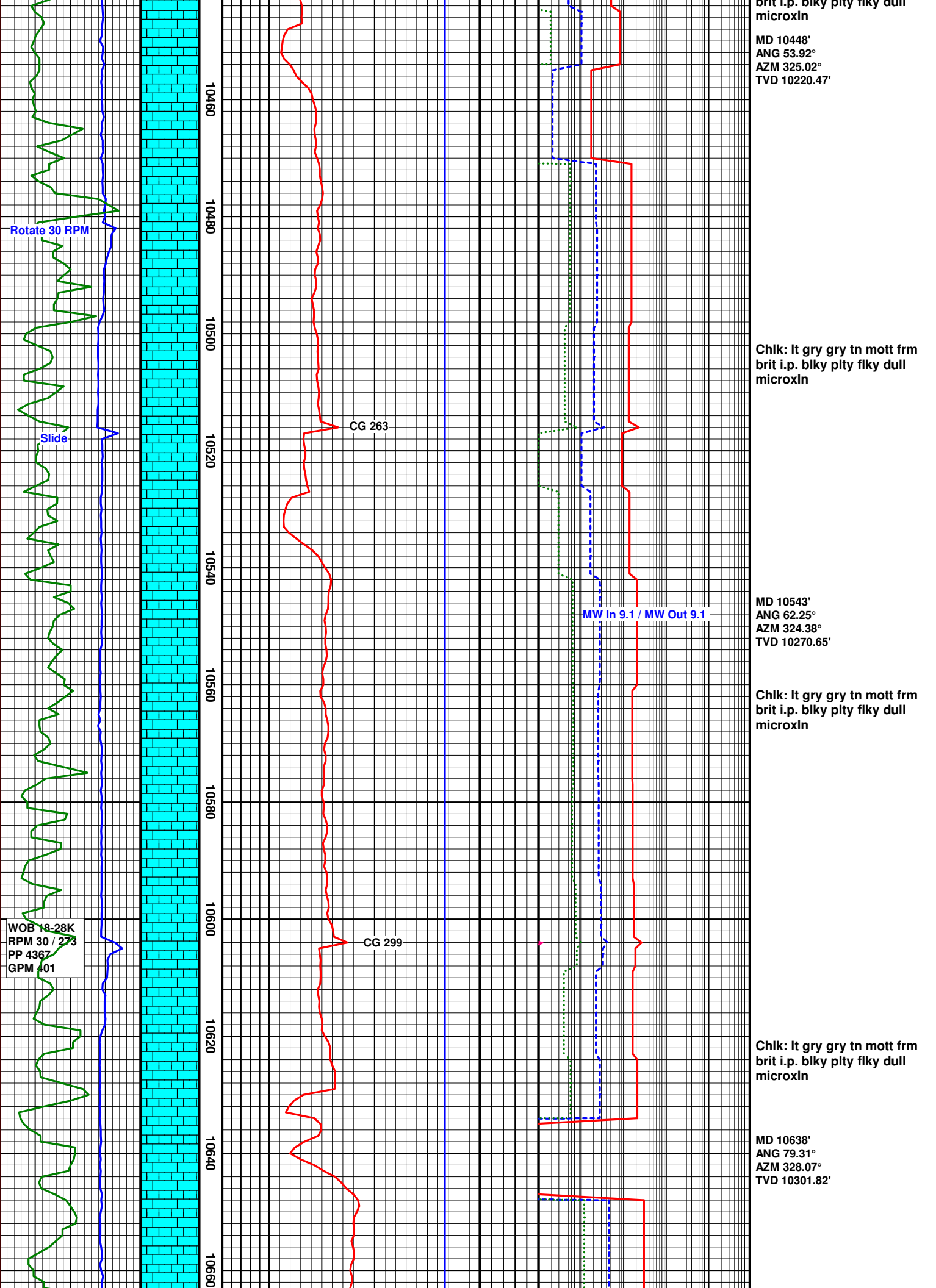
Chlk: lt gry gry tn mott frm  
brit i.p. blkly plty flky dull  
microxln

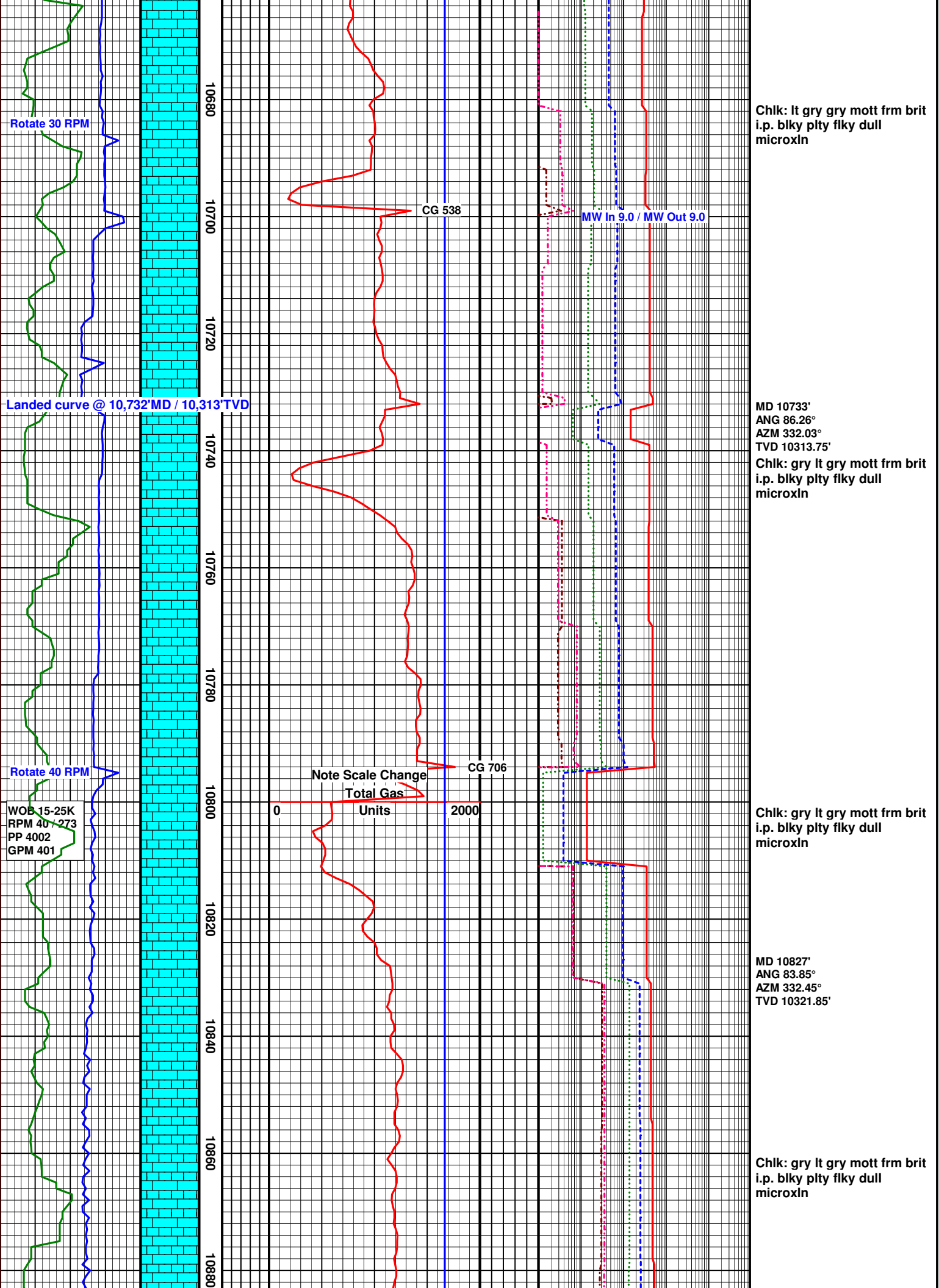
WOB 18-28K  
RPM 38 / 273  
PP 4367  
GPM 401

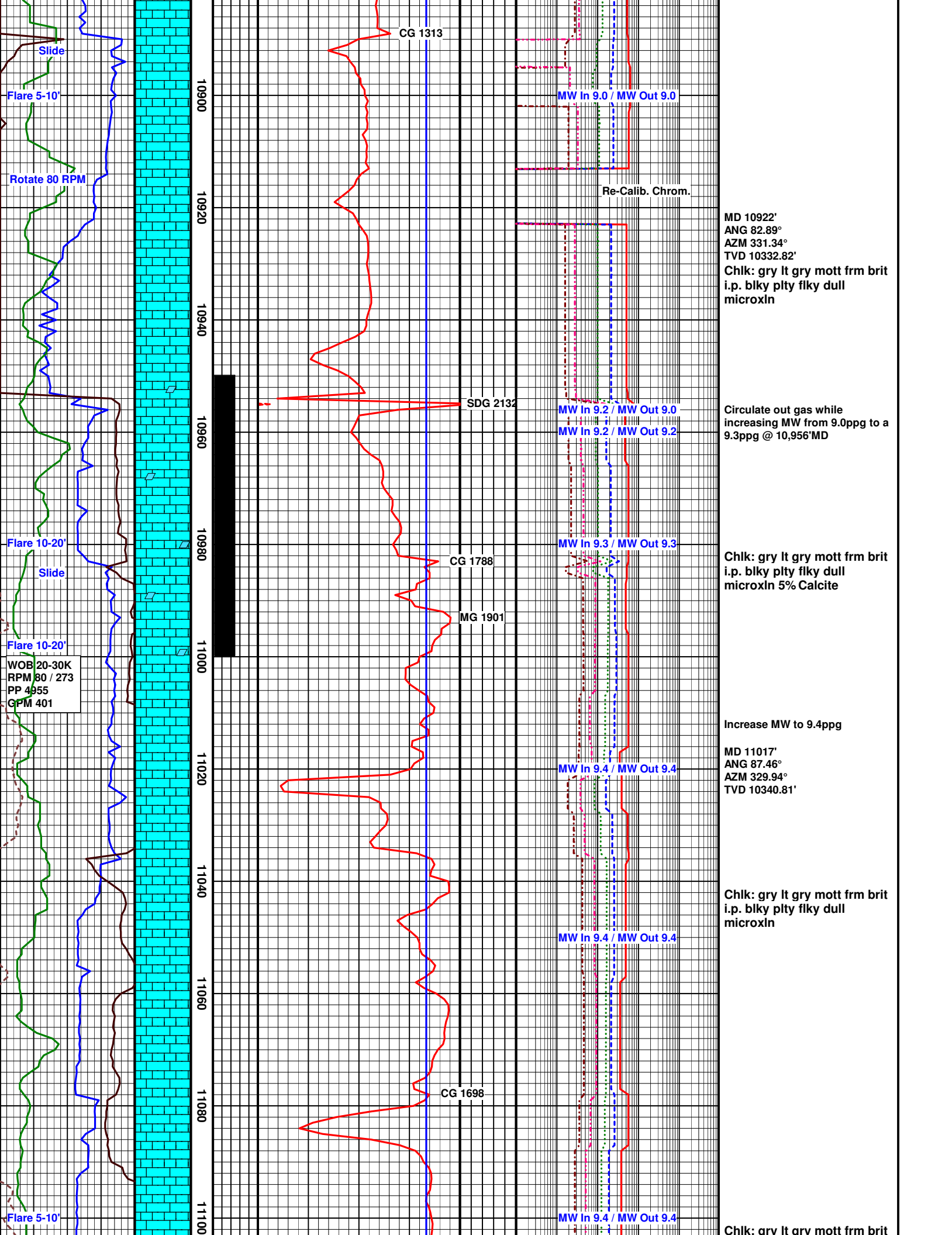
12/29/2021

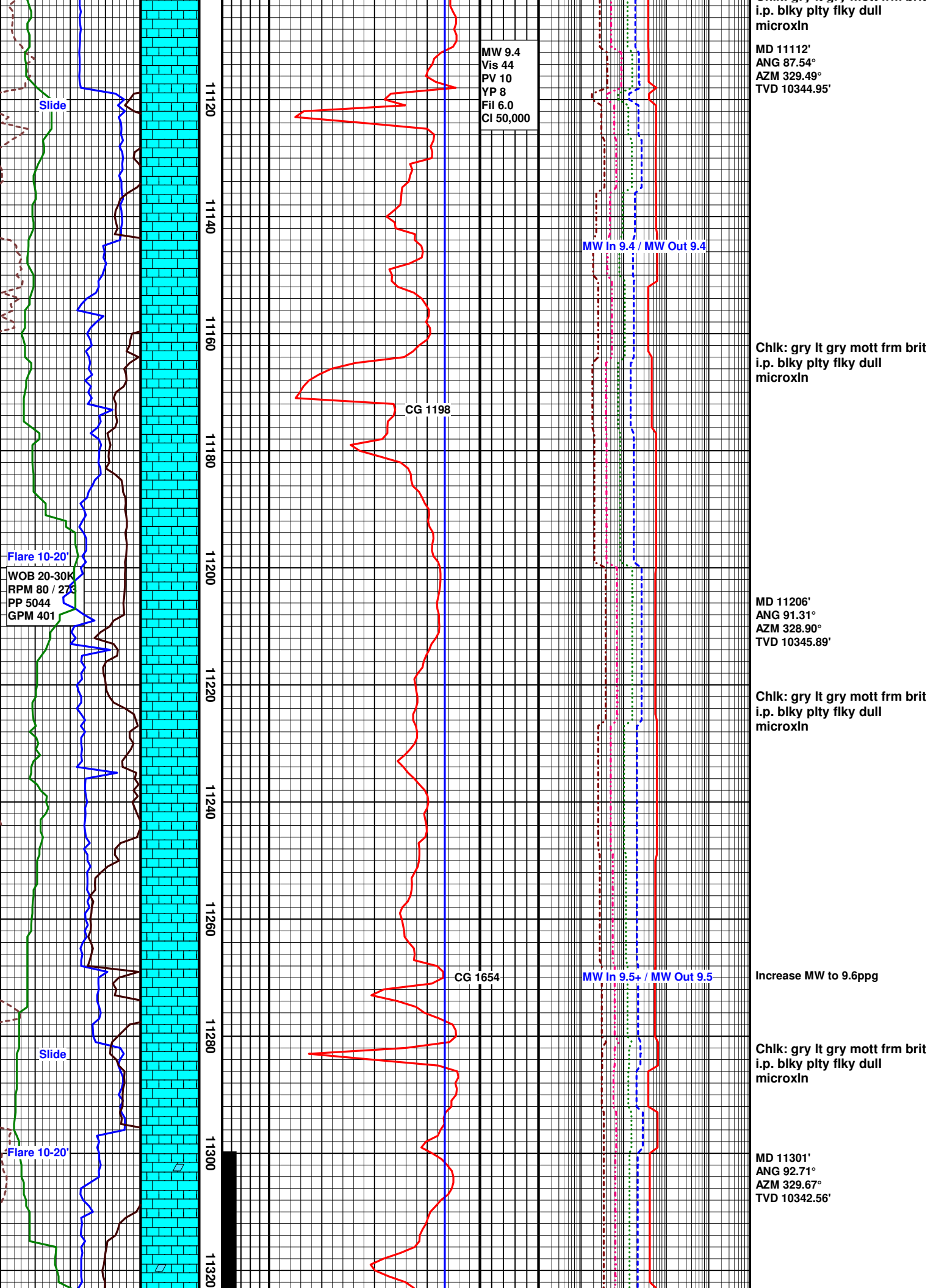
MW 9.2  
Vis 42  
PV 11  
YP 8  
Fil 14.0

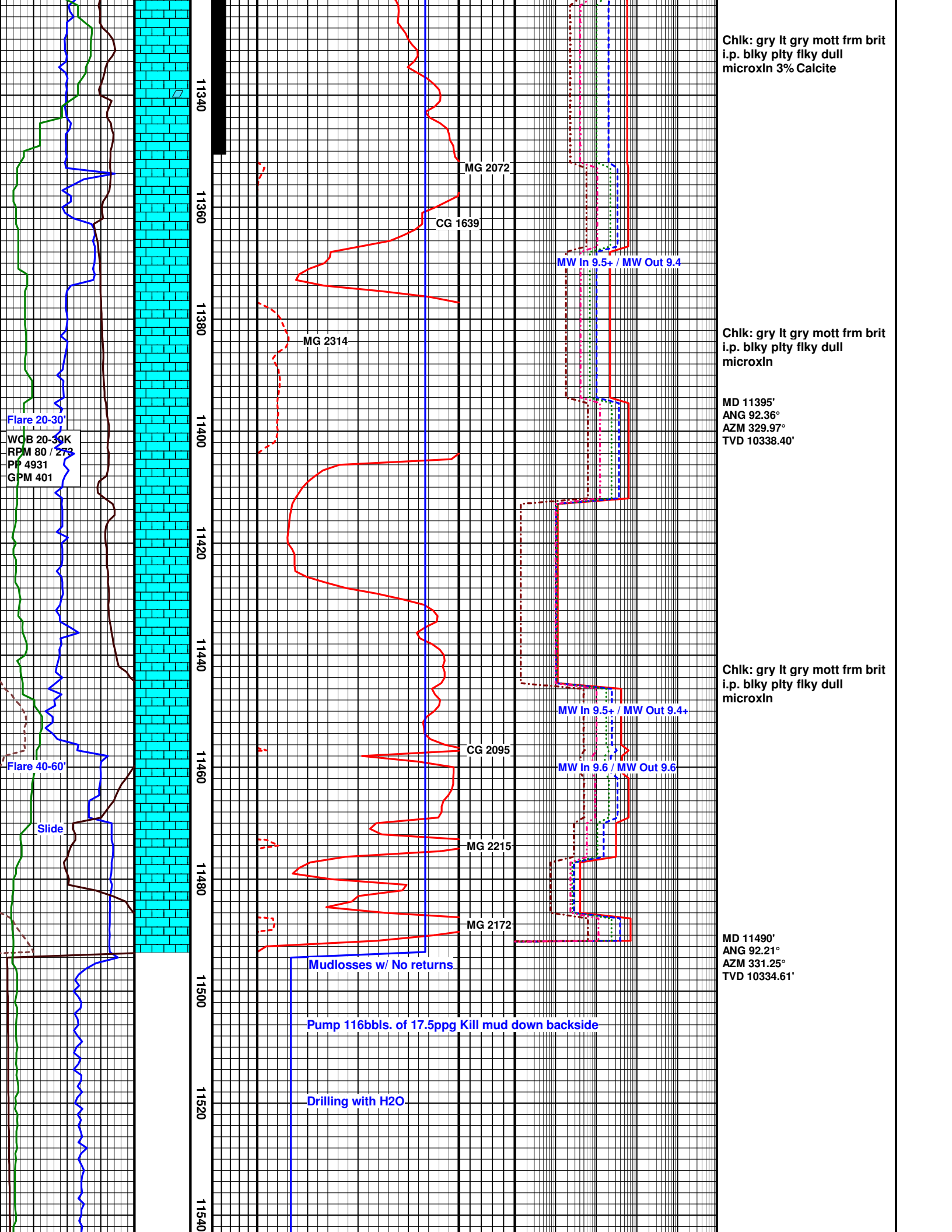




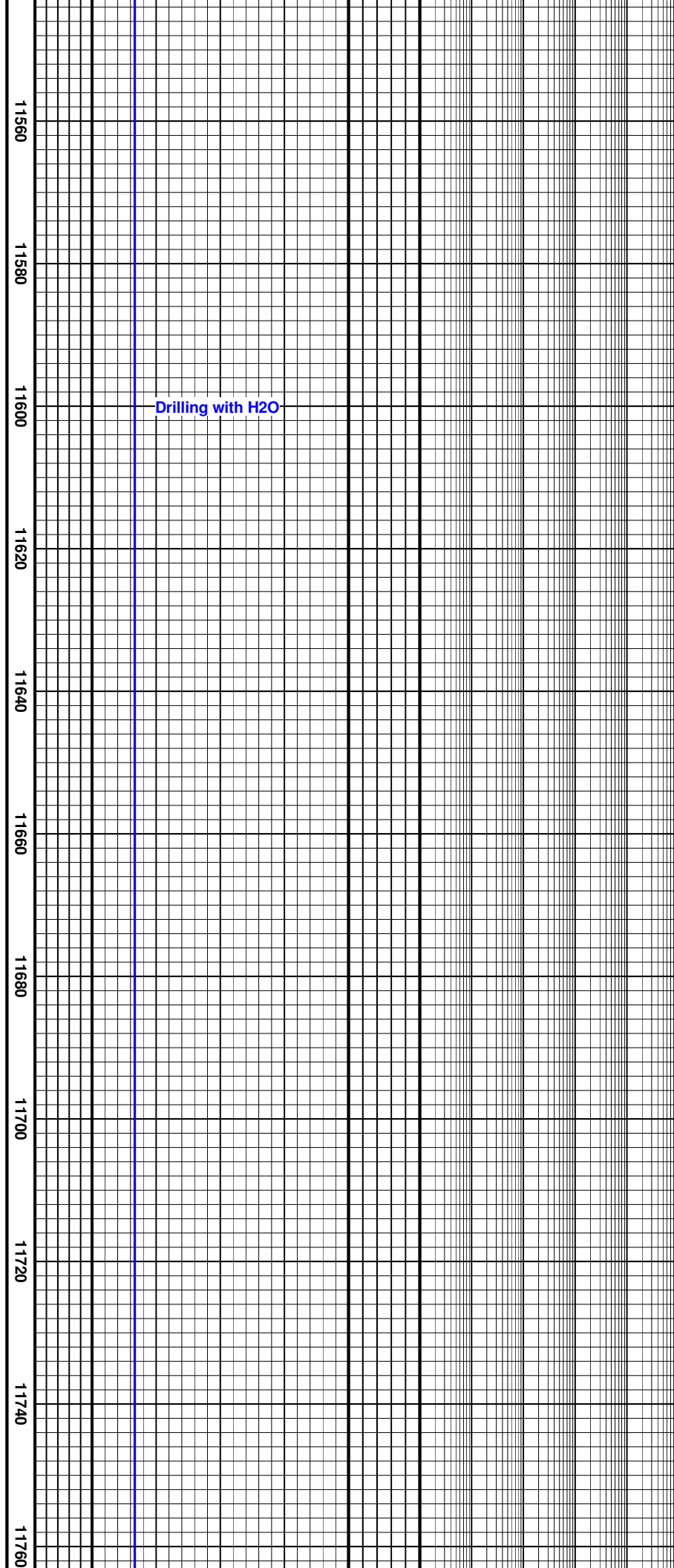
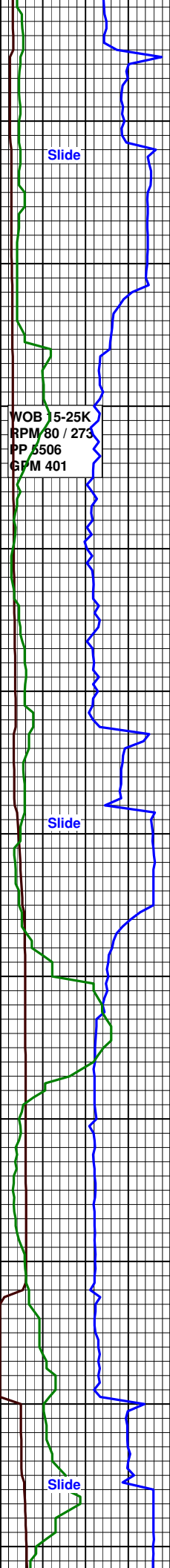






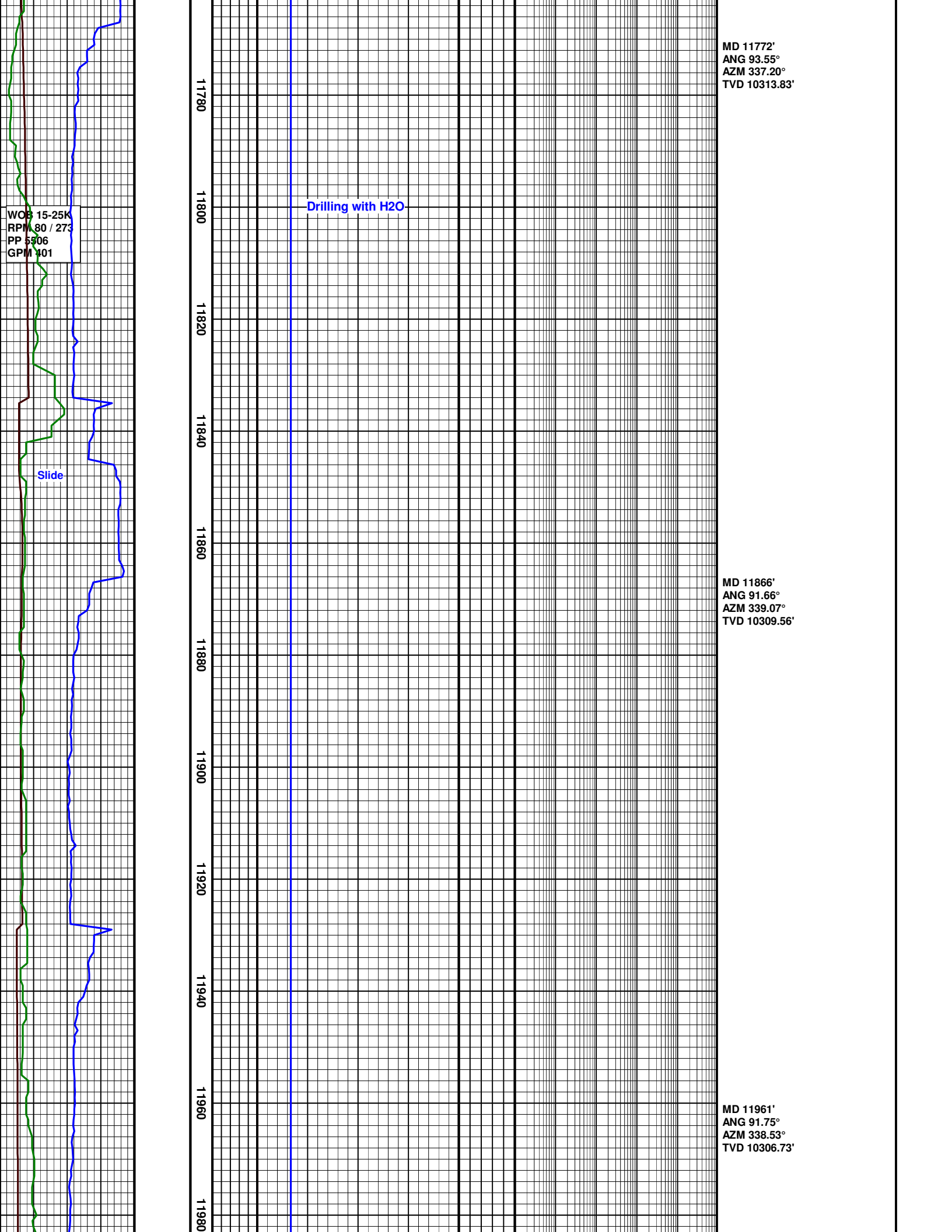


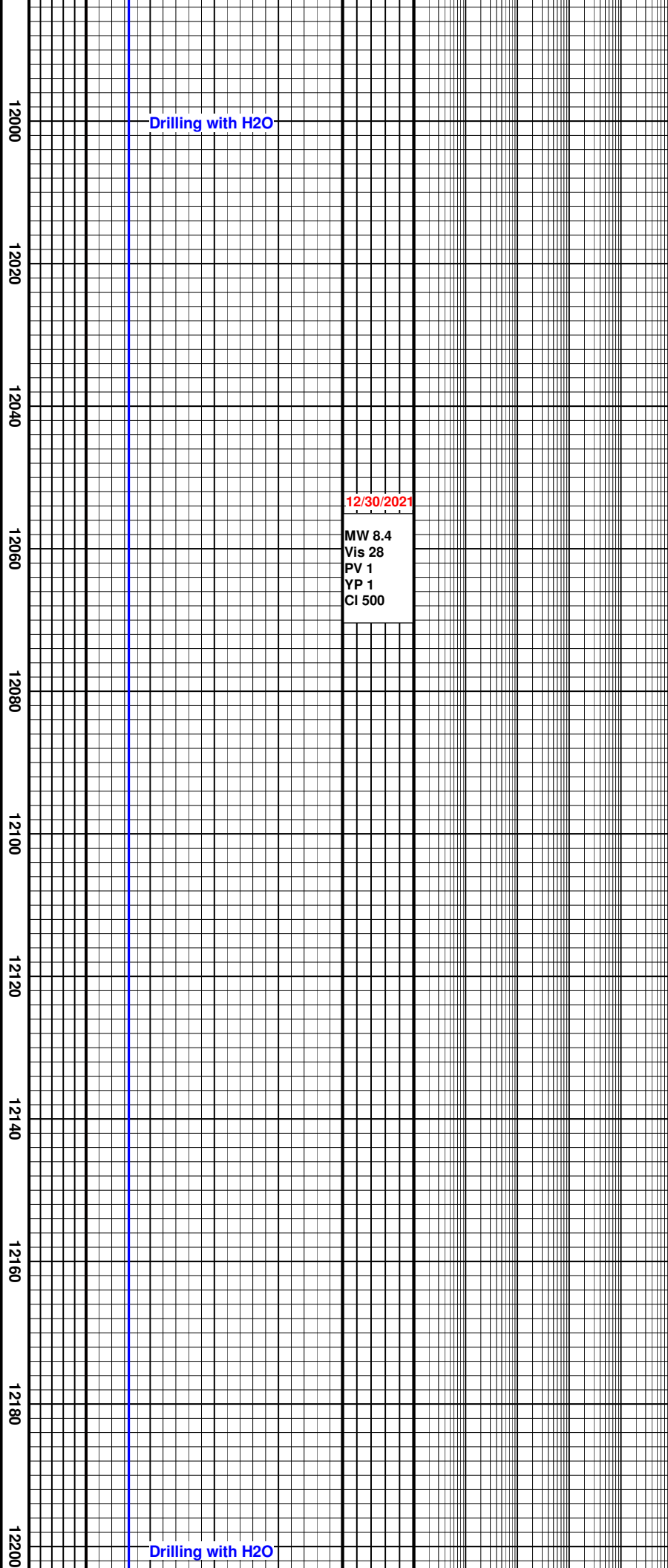
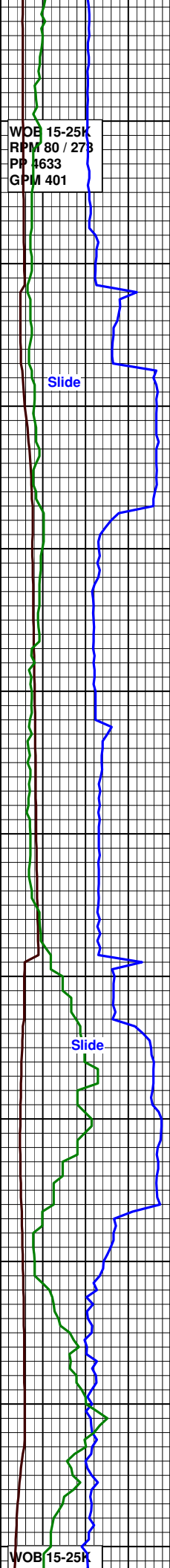




MD 11583'  
ANG 95.54°  
AZM 335.49°  
TVD 10328.33'

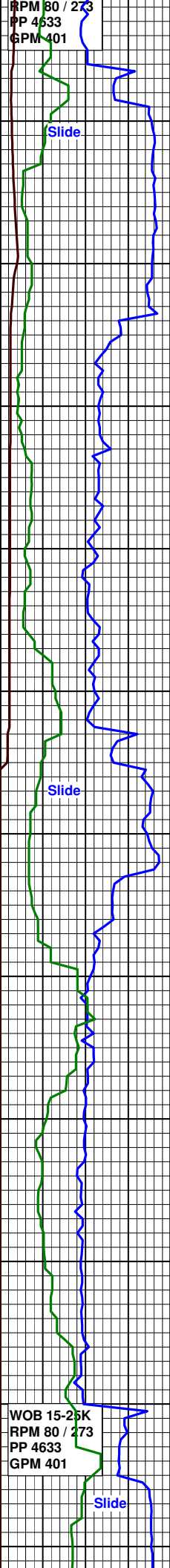
MD 11678'  
ANG 94.25°  
AZM 335.81°  
TVD 10320.22'





MD 12054'  
ANG 92.38°  
AZM 341.15°  
TVD 10303.38'

MD 12149'  
ANG 90.47°  
AZM 344.00°  
TVD 10301.01'



12220

12240

12260

12280

12300

12320

12340

12360

12380

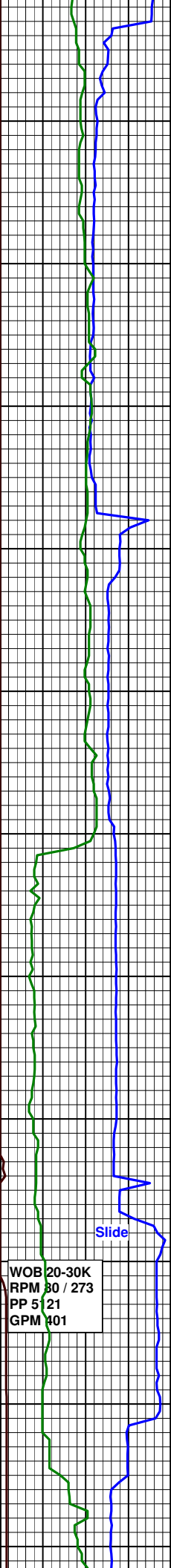
12400

12420

MD 12242'  
ANG 89.77°  
AZM 348.37°  
TVD 10300.82'

MD 12337'  
ANG 90.67°  
AZM 349.51°  
TVD 10300.45'

Drilling with H2O



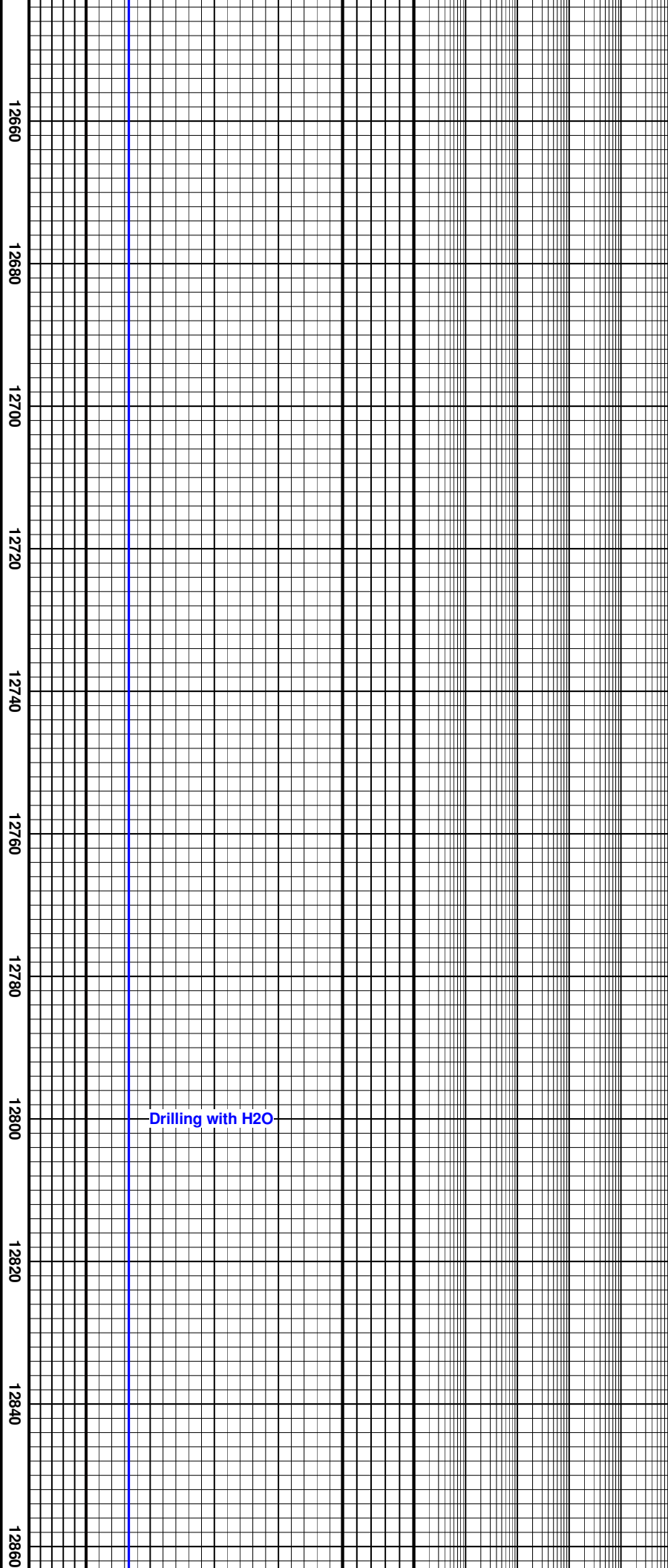
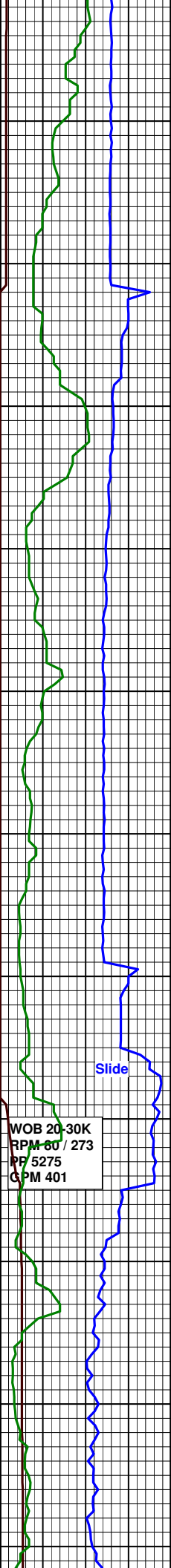
12440  
12460  
12480  
12500  
12520  
12540  
12560  
12580  
12600  
12620  
12640

Drilling with H2O

MD 12431'  
ANG 93.43°  
AZM 351.32°  
TVD 10297.09'

MD 12526'  
ANG 91.95°  
AZM 344.42°  
TVD 10292.63'

MD 12621'  
ANG 94.69°  
AZM 347.36°  
TVD 10287.13'



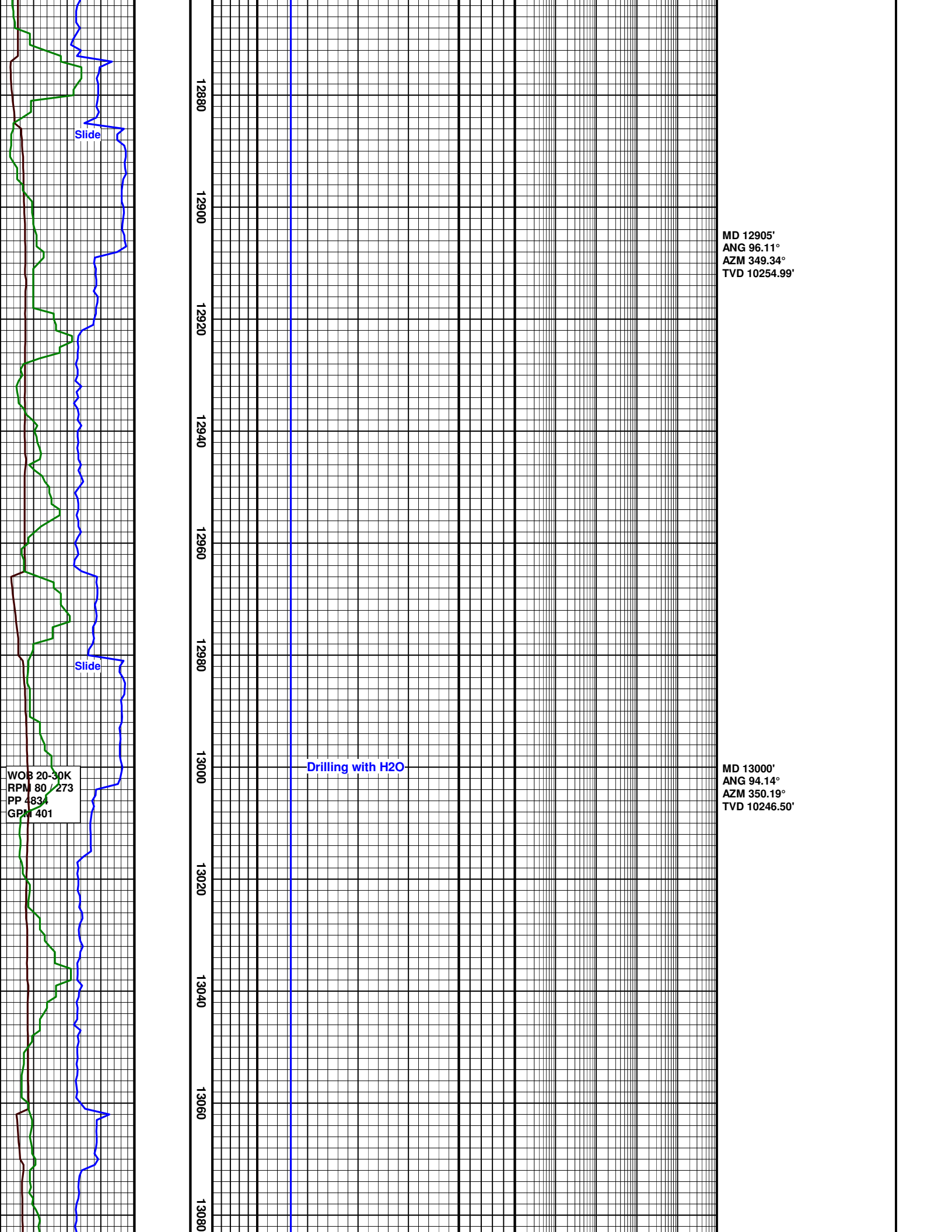
MD 12716'  
ANG 96.93°  
AZM 347.12°  
TVD 10277.51'

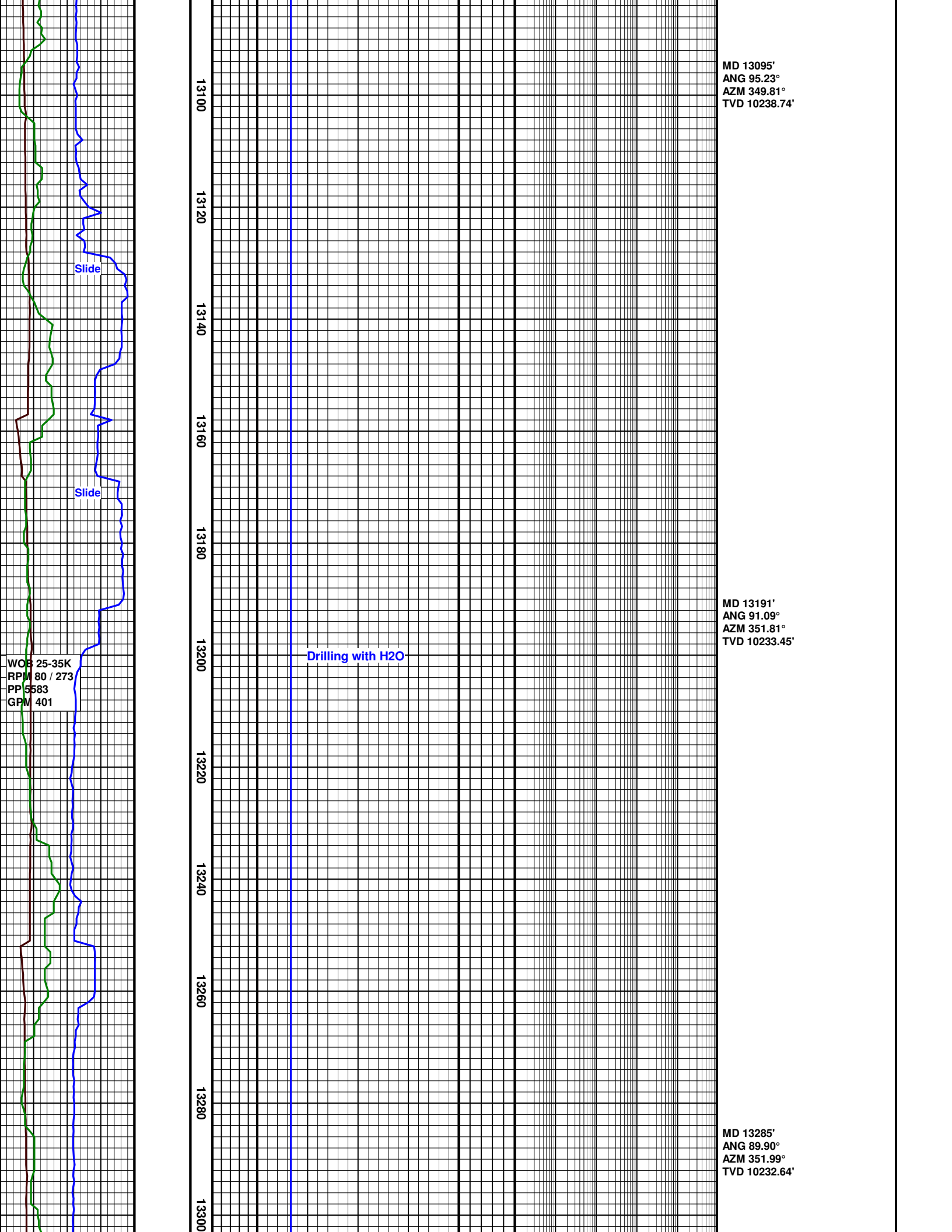
MD 12810'  
ANG 97.17°  
AZM 348.71°  
TVD 10265.97'

Slide

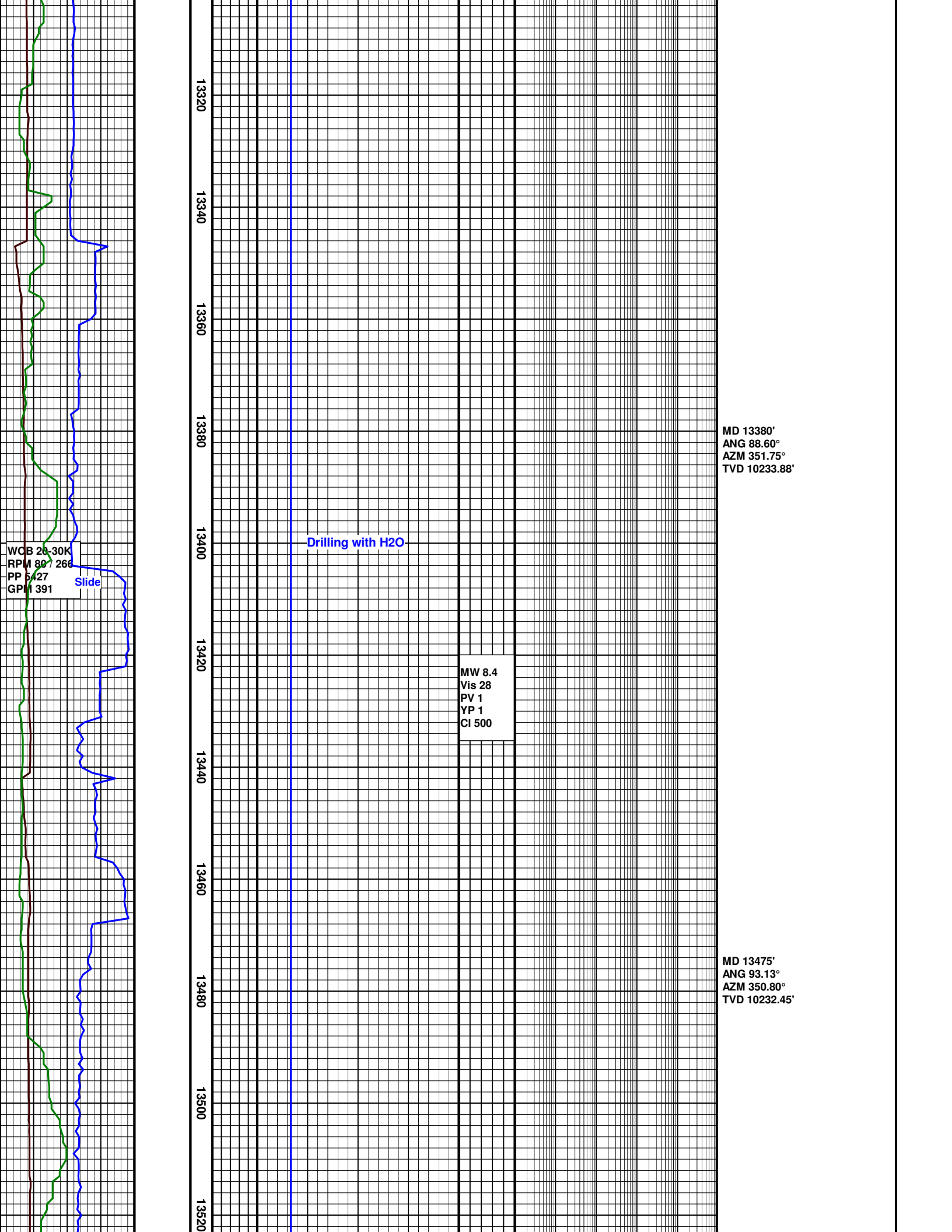
Drilling with H2O

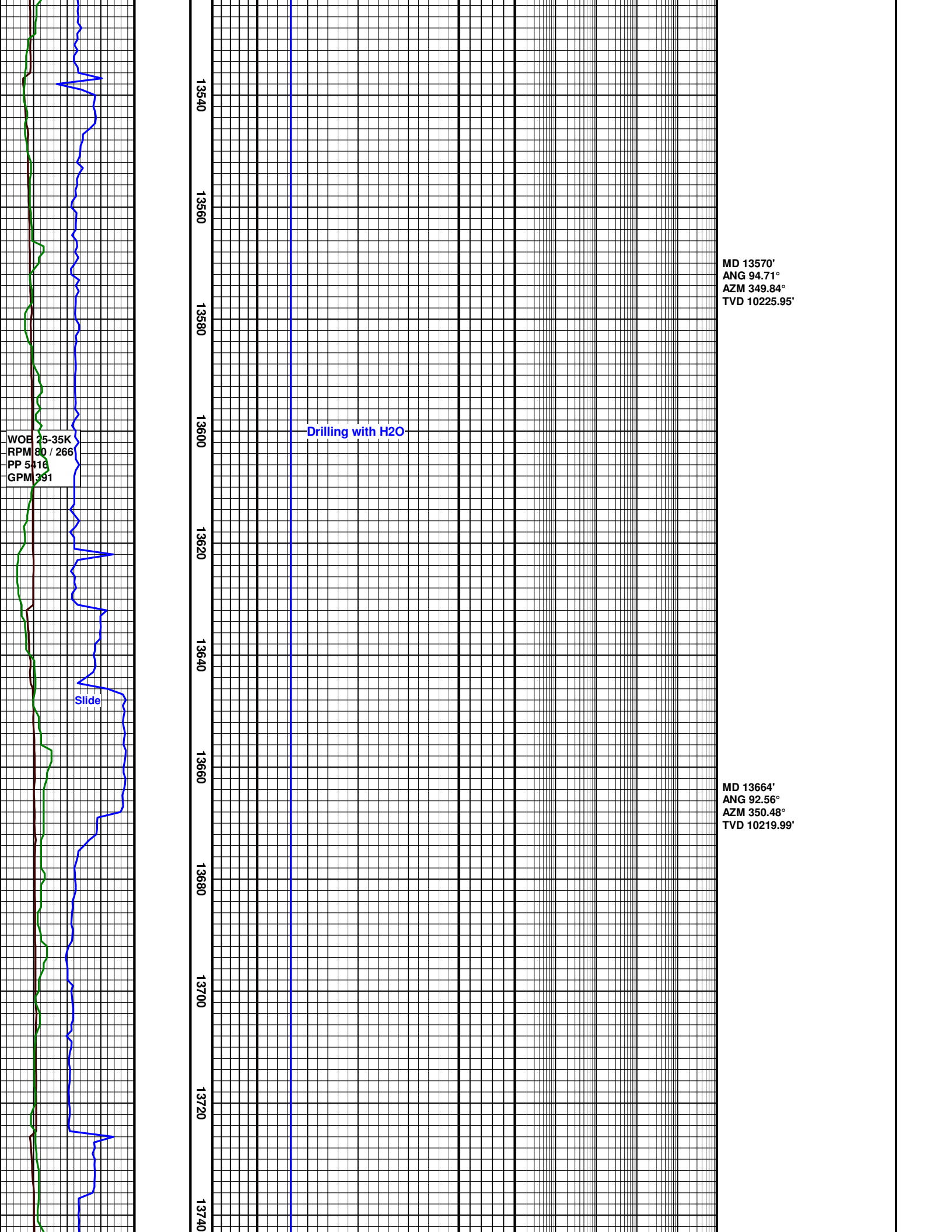
WOB 20-30K  
RPM 60 / 273  
RF 5275  
GPM 401

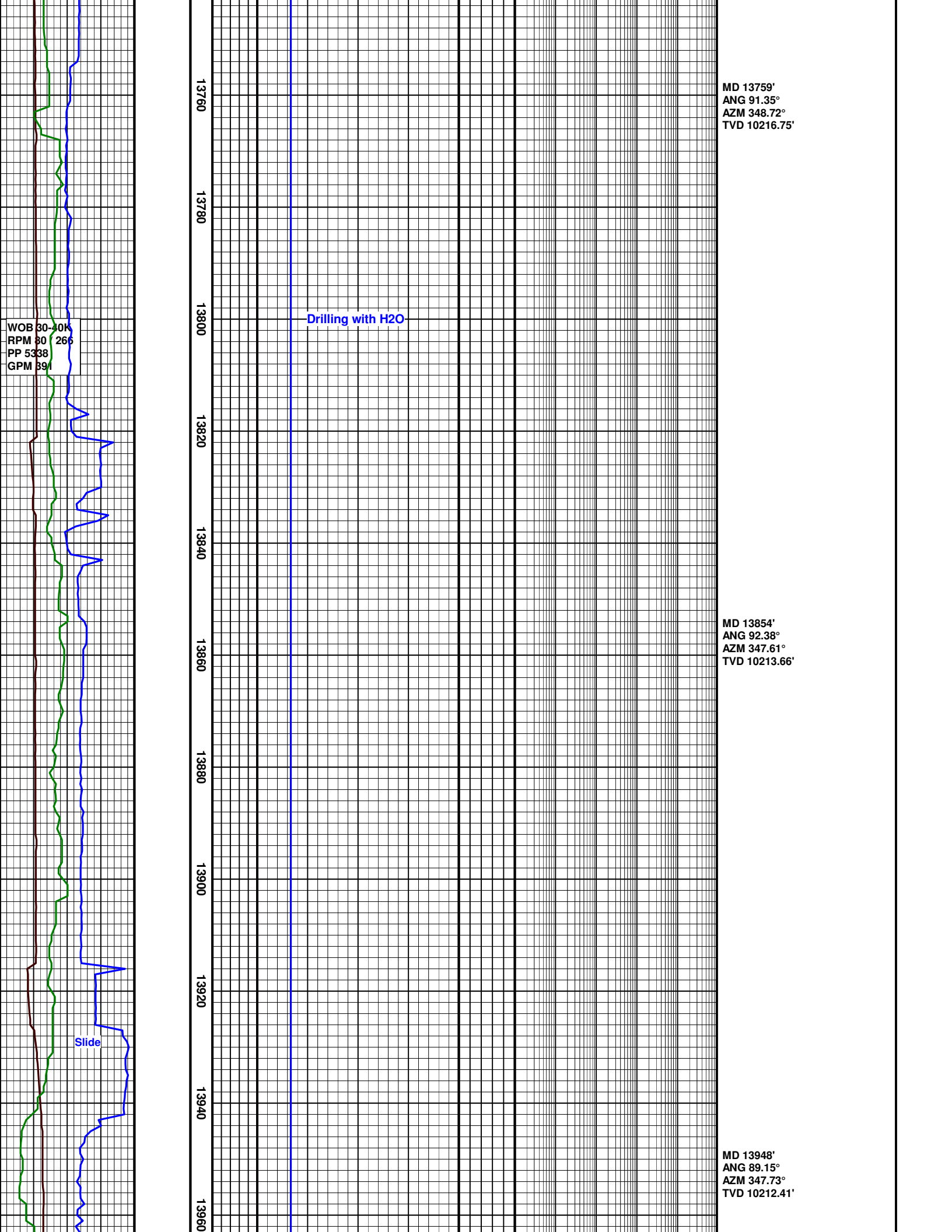












WOB 30-40K  
RPM 80 266  
PP 5338  
GPM 891

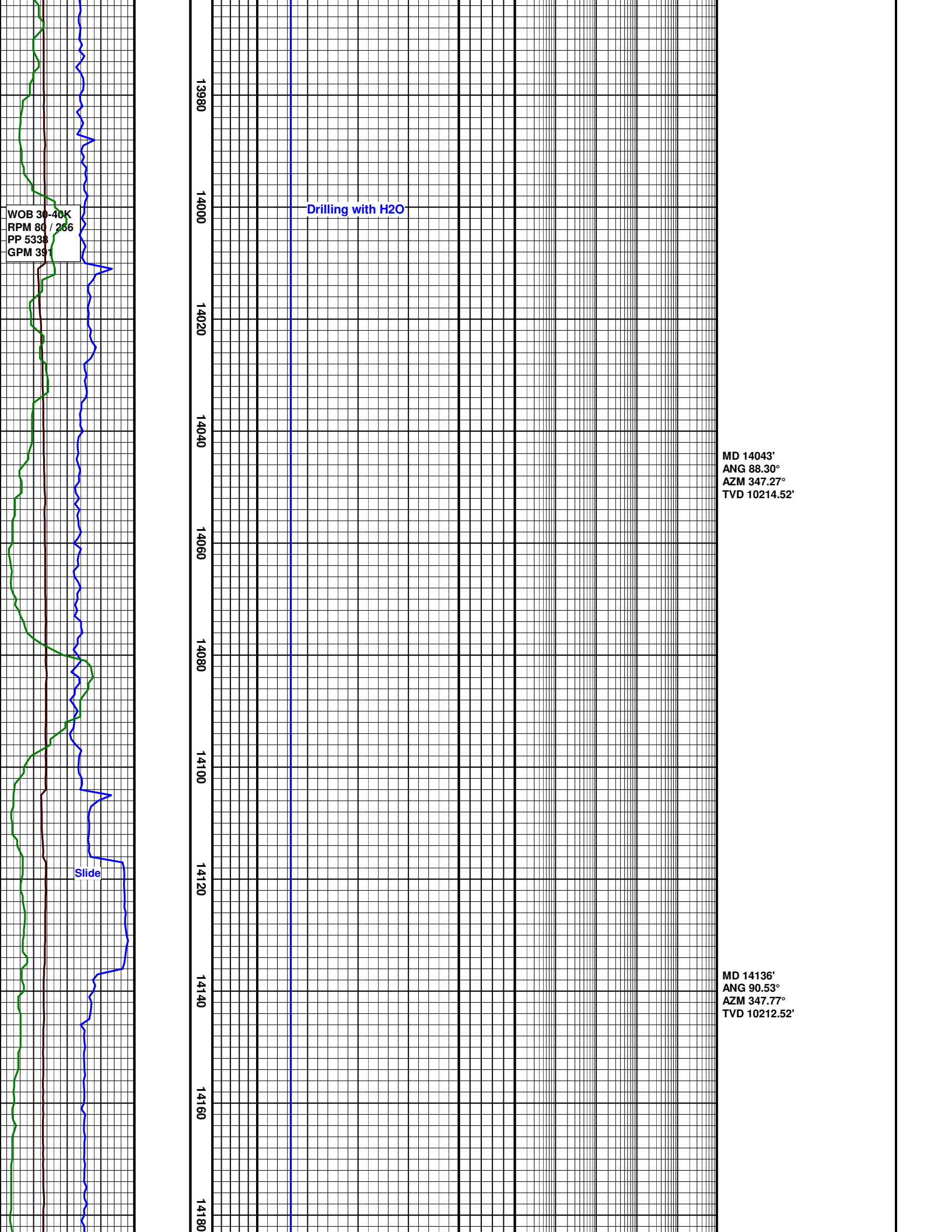
Drilling with H2O

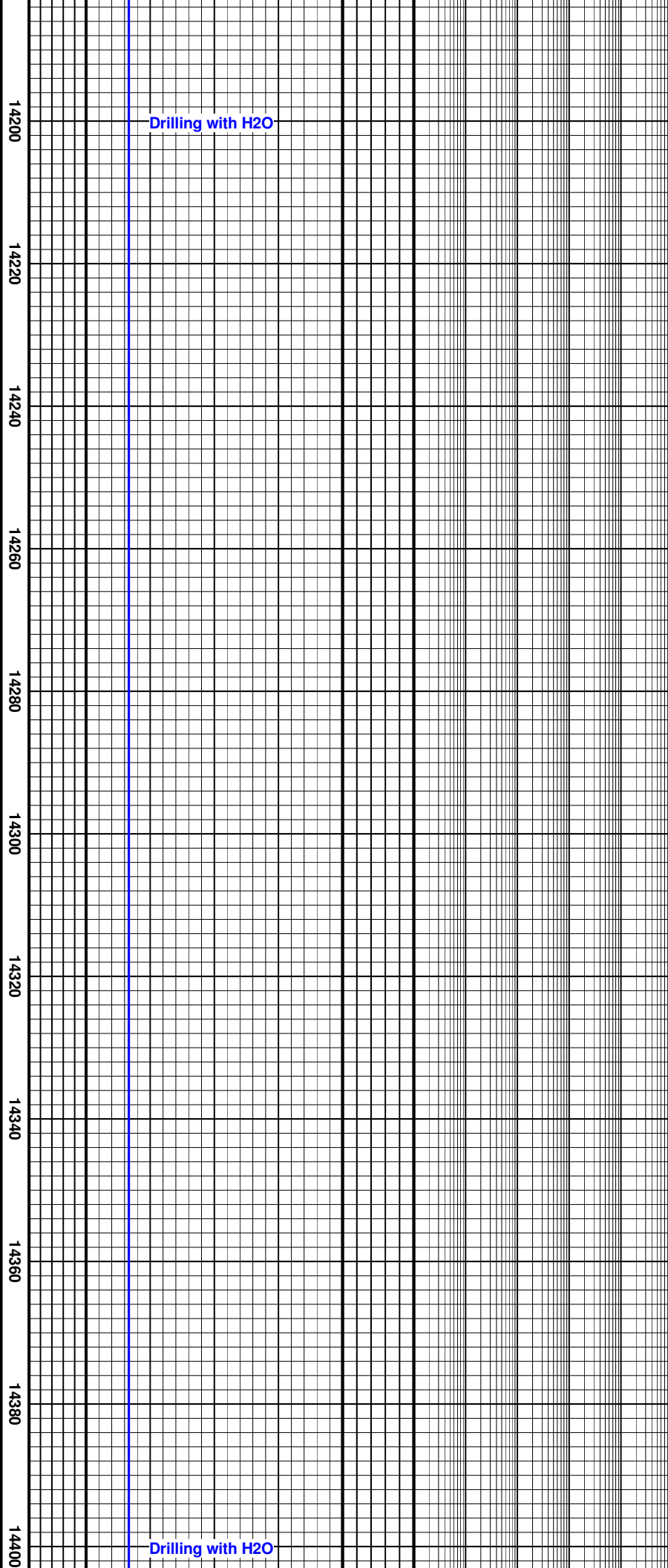
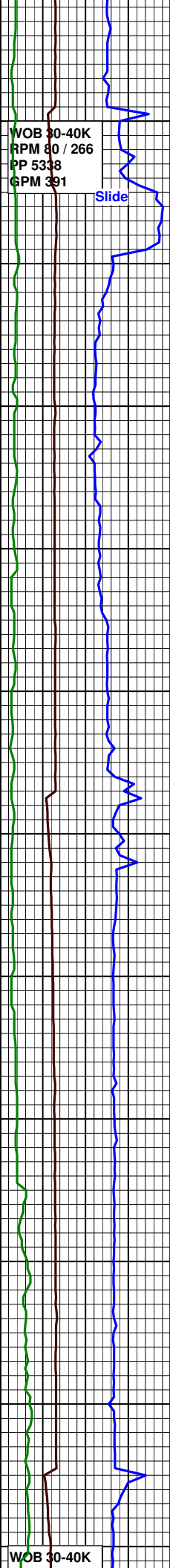
Slide

MD 13759'  
ANG 91.35°  
AZM 348.72°  
TVD 10216.75'

MD 13854'  
ANG 92.38°  
AZM 347.61°  
TVD 10213.66'

MD 13948'  
ANG 89.15°  
AZM 347.73°  
TVD 10212.41'





Drilling with H2O

Drilling with H2O

MD 14231'  
ANG 93.03°  
AZM 348.34°  
TVD 10212.52'

MD 14326'  
ANG 93.53°  
AZM 347.63°  
TVD 10207.08'

RRM 80 / 273  
PP 5121  
GPM 402

NB 6 3/4" Security GTD64M  
w/ 6x18's Jets TFA=1.49  
w/ 2.12° Motor, MWD, & Gamma

12/31/2021

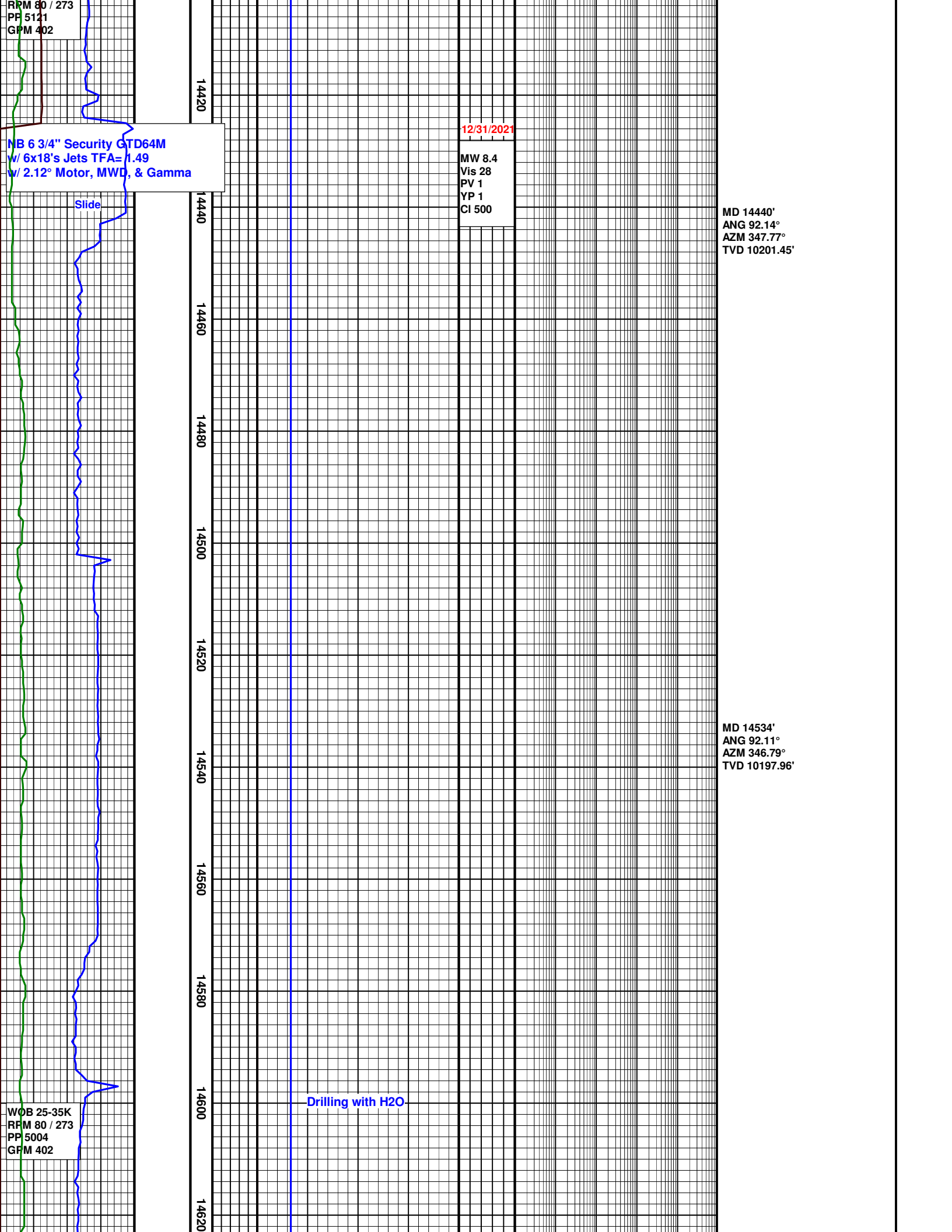
MW 8.4  
Vis 28  
PV 1  
YP 1  
CI 500

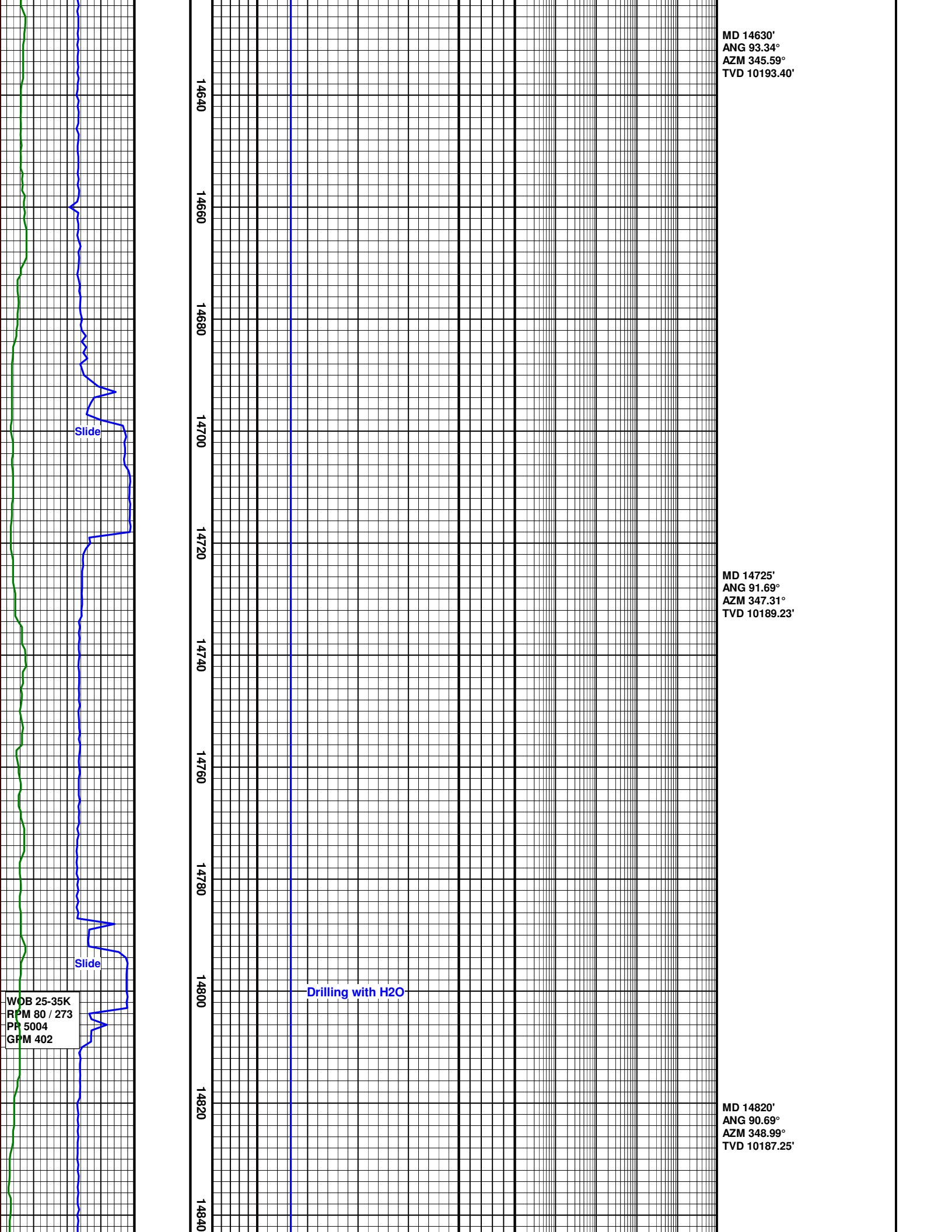
MD 14440'  
ANG 92.14°  
AZM 347.77°  
TVD 10201.45'

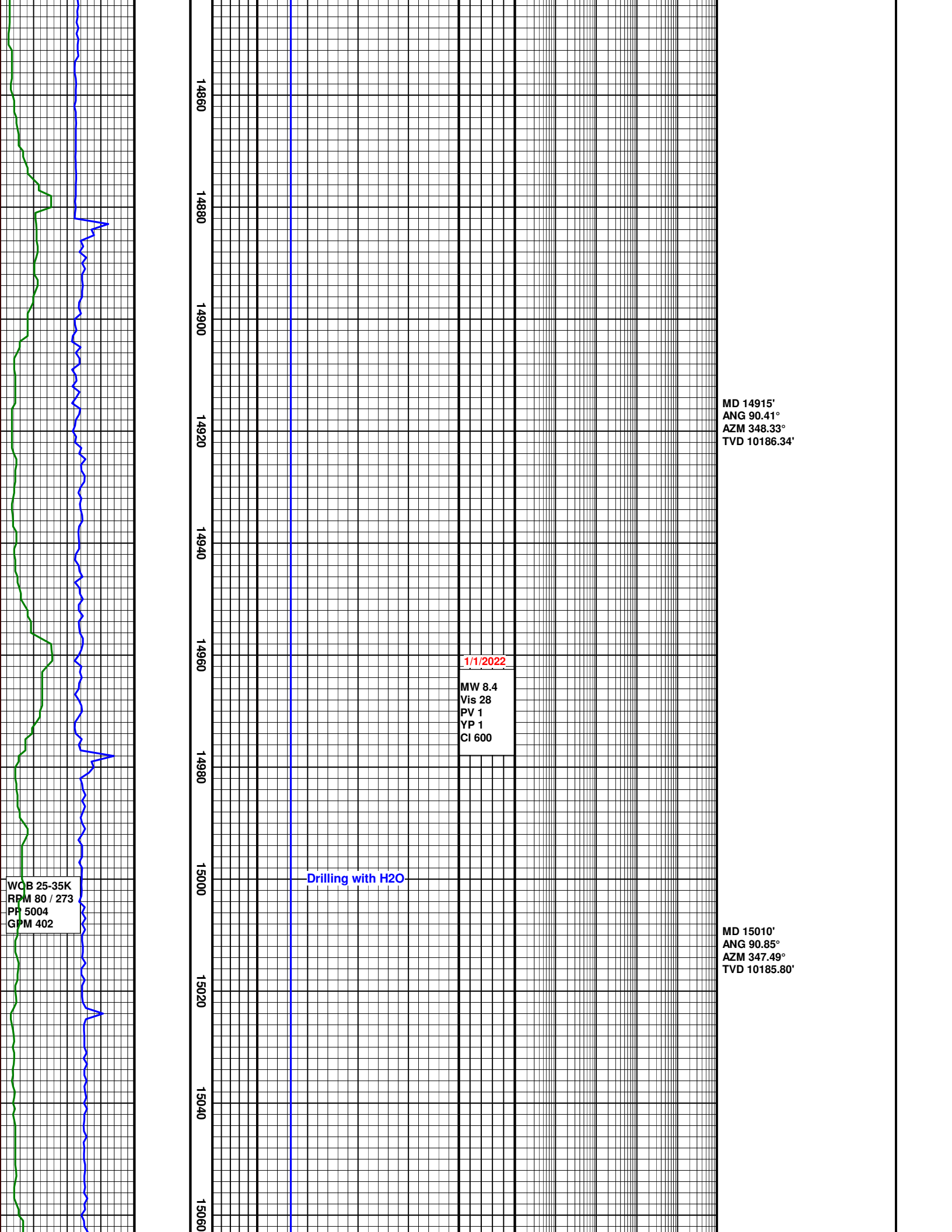
MD 14534'  
ANG 92.11°  
AZM 346.79°  
TVD 10197.96'

WOB 25-35K  
RRM 80 / 273  
PP 5004  
GPM 402

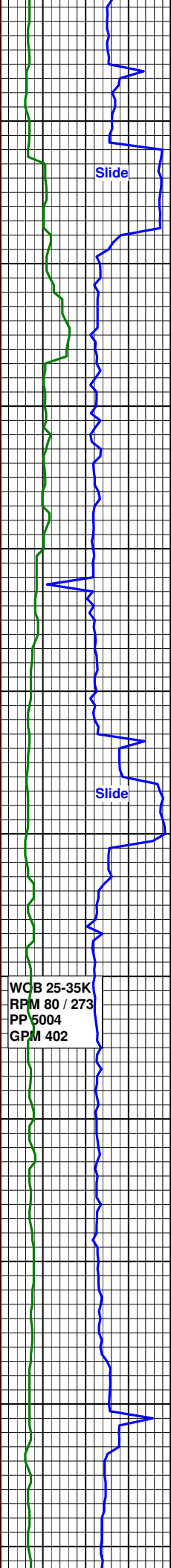
Drilling with H2O







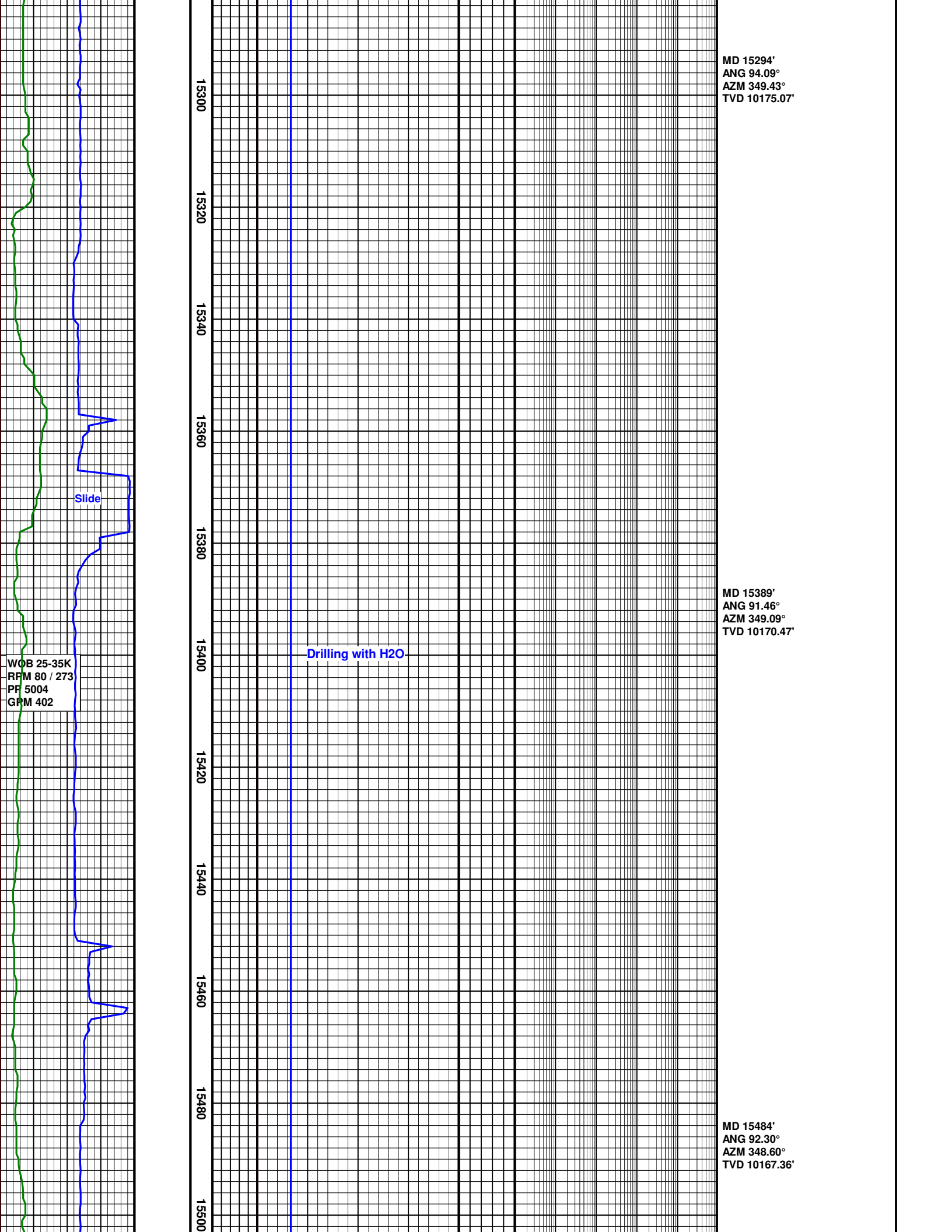




MD 15104'  
ANG 91.21°  
AZM 349.61°  
TVD 10183.61'

Drilling with H2O

MD 15199'  
ANG 92.50°  
AZM 349.69°  
TVD 10180.53'



MD 15294'  
ANG 94.09°  
AZM 349.43°  
TVD 10175.07'

MD 15389'  
ANG 91.46°  
AZM 349.09°  
TVD 10170.47'

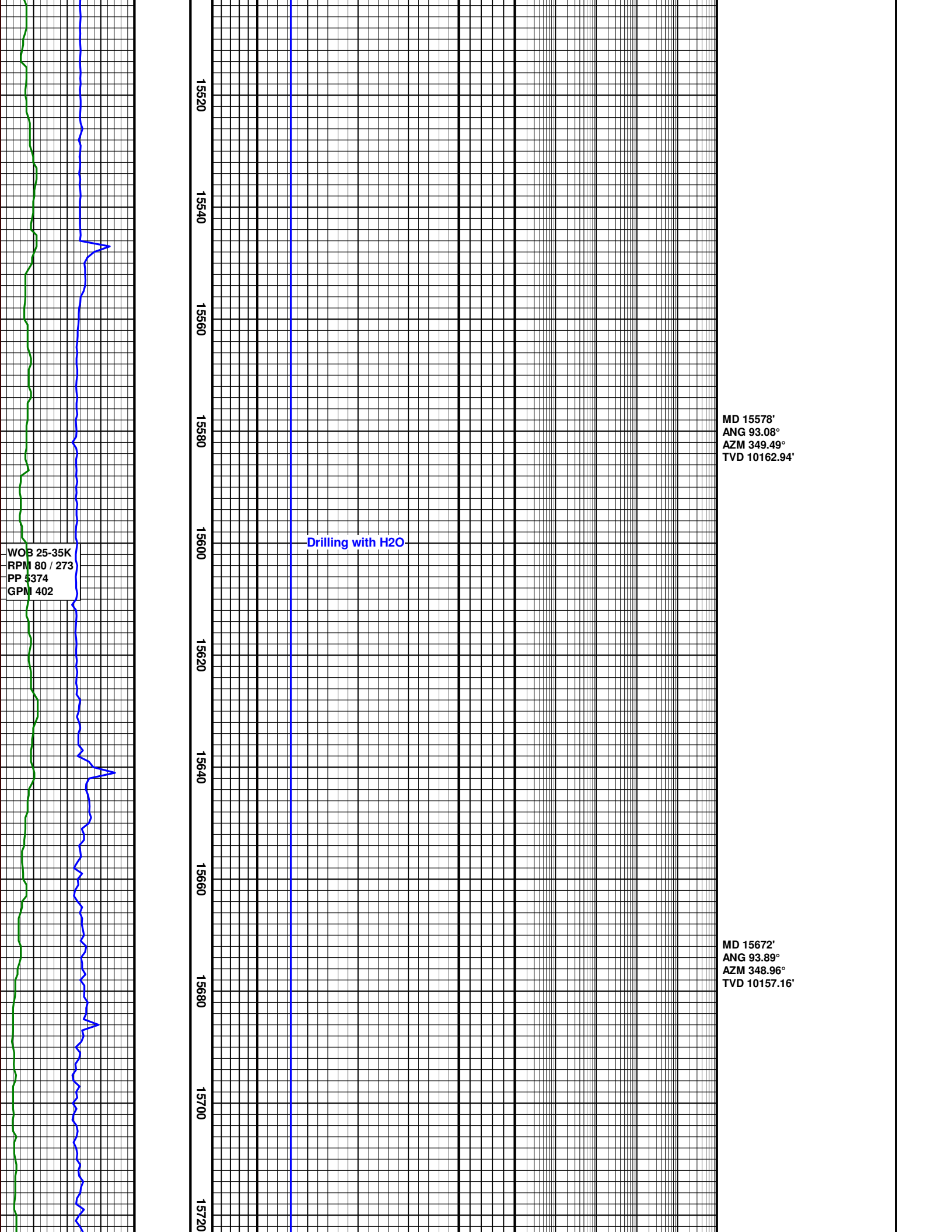
MD 15484'  
ANG 92.30°  
AZM 348.60°  
TVD 10167.36'

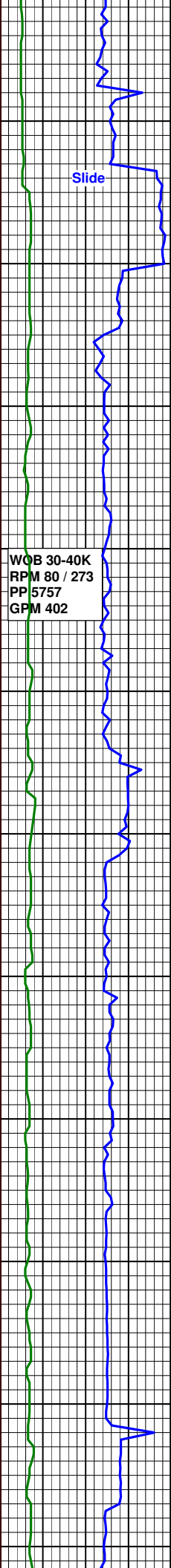
Slide

Drilling with H2O

WOB 25-35K  
RFM 80 / 273  
PF 5004  
GRM 402

15300  
15320  
15340  
15360  
15380  
15400  
15420  
15440  
15460  
15480  
15500





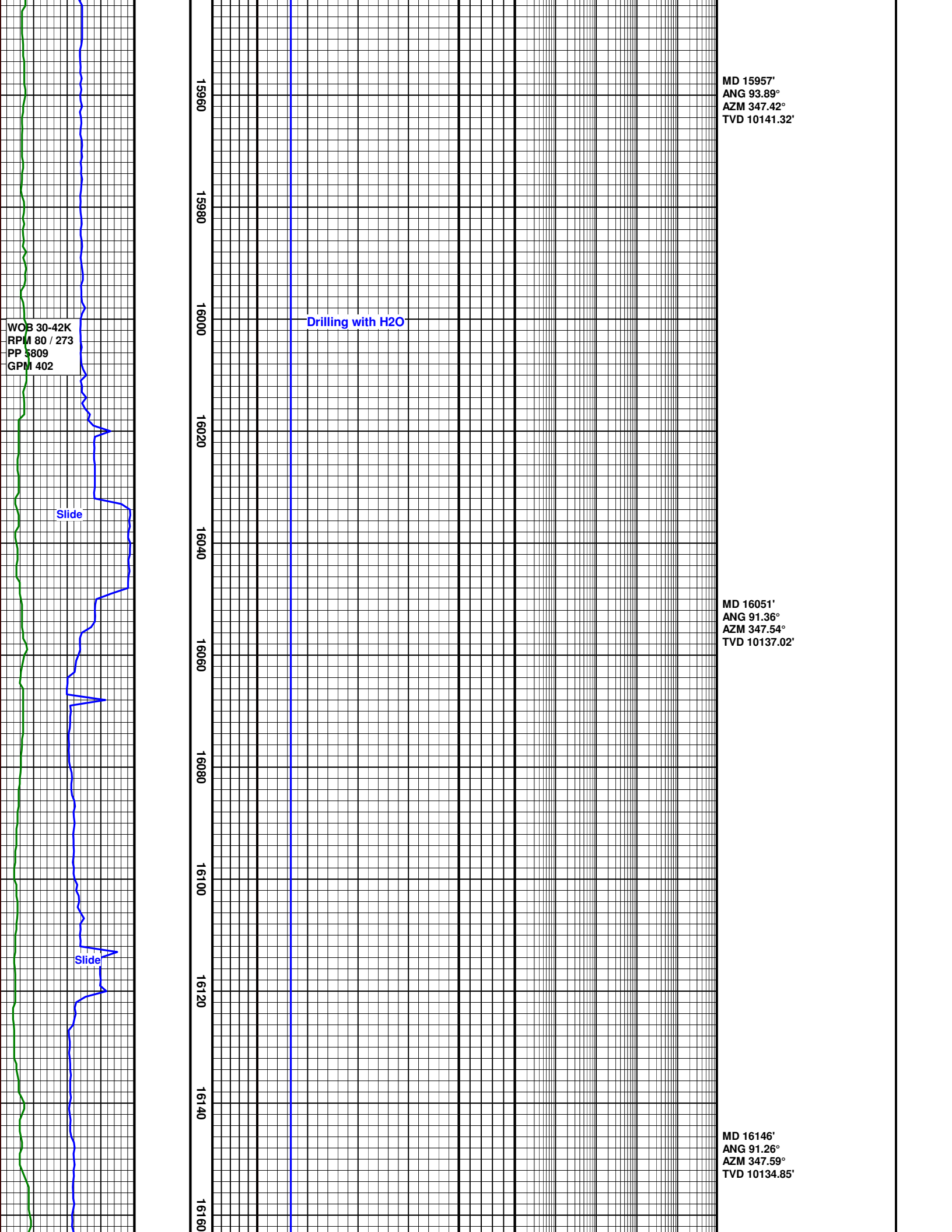
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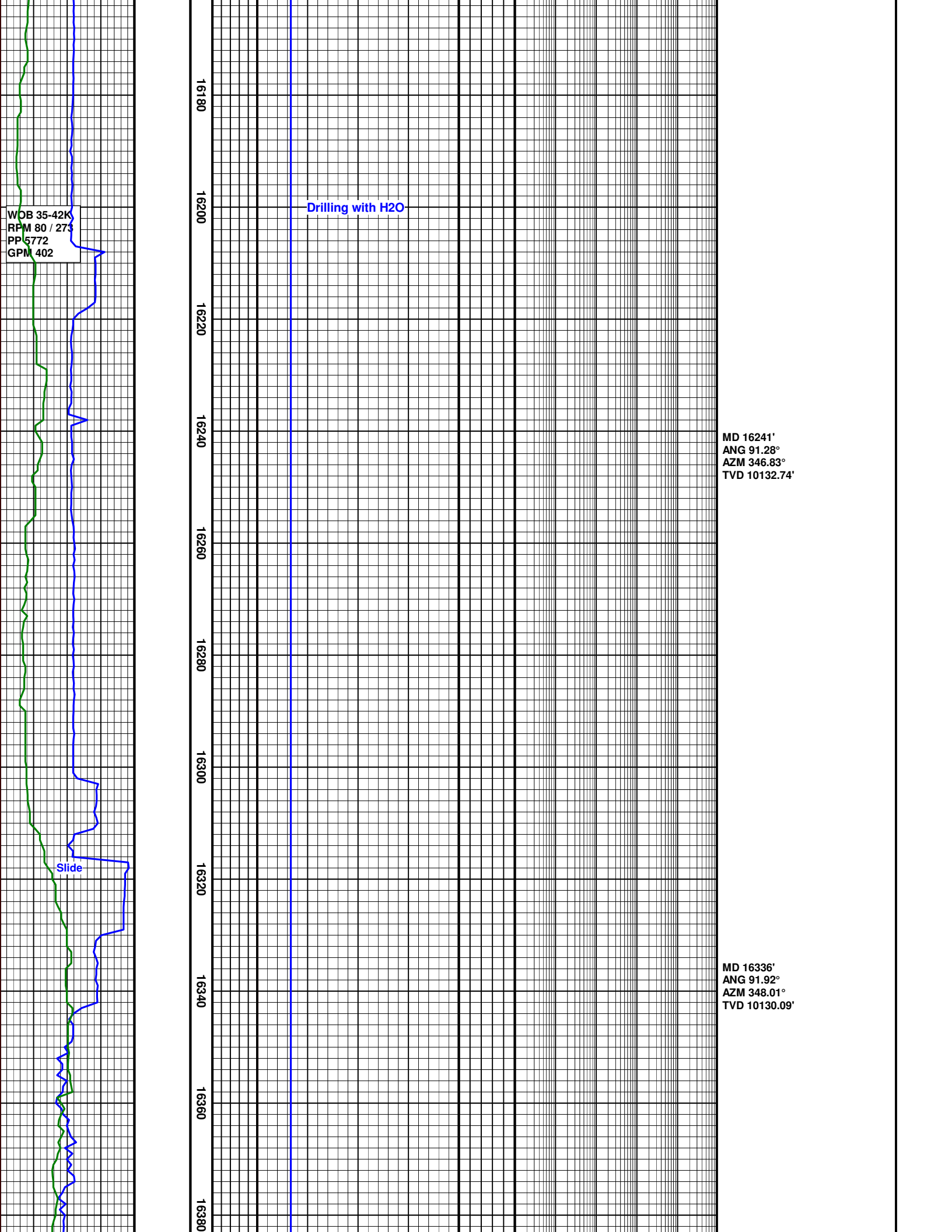
Drilling with H2O

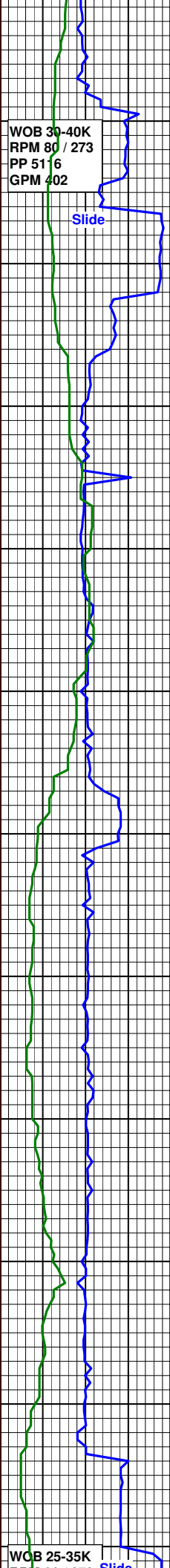
WOB 30-40K  
RPM 80 / 273  
PP 5757  
GPM 402

MD 15767'  
ANG 92.94°  
AZM 349.14°  
TVD 10151.51'

MD 15862'  
ANG 92.73°  
AZM 347.88°  
TVD 10146.81'







WOB 39-40K  
RPM 80 / 273  
PP 5116  
GPM 402

Slide

MW 8.4  
Vis 28  
PV 1  
YP 1  
CI 600

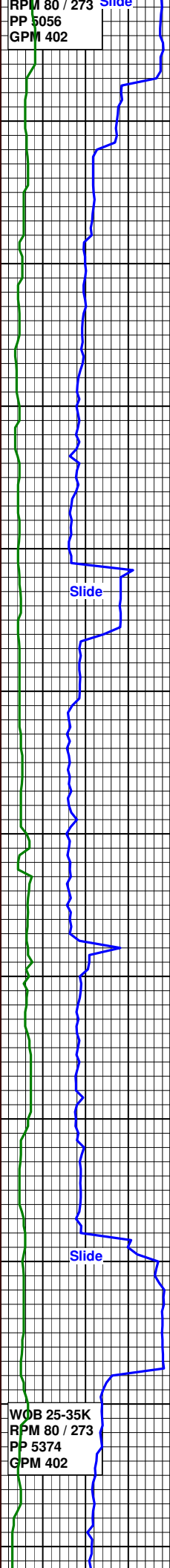
MD 16431'  
ANG 93.73°  
AZM 350.38°  
TVD 10125.40'

MD 16525'  
ANG 95.0°  
AZM 350.77°  
TVD 10118.18'

WOB 25-35K

Slide

Drilling with H2O



16620  
16640  
16660  
16680  
16700  
16720  
16740  
16760  
16780  
16800  
16820

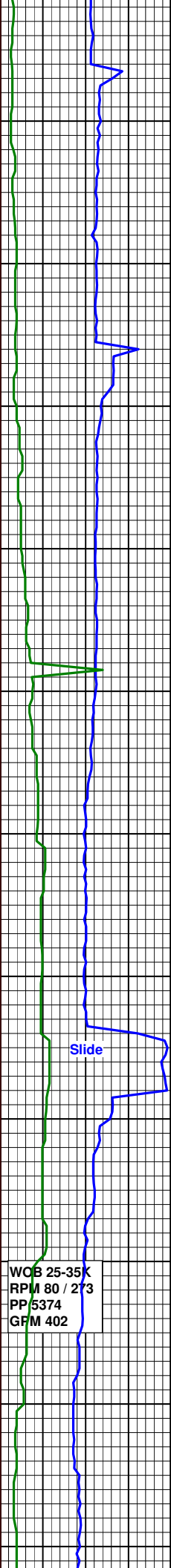
MD 16617'  
ANG 93.99°  
AZM 350.46°  
TVD 10110.89'

MD 16711'  
ANG 95.07°  
AZM 350.24°  
TVD 10103.47'

MD 16805'  
ANG 93.40°  
AZM 350.18°  
TVD 10096.53'

Drilling with H2O



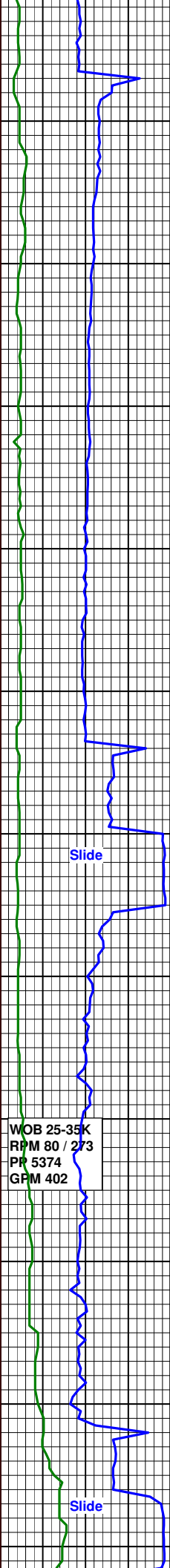


16840 16860 16880 16900 16920 16940 16960 16980 17000 17020 17040

Drilling with H2O

MD 16899'  
ANG 93.51°  
AZM 349.17°  
TVD 10090.86'

MD 16993'  
ANG 92.33°  
AZM 348.79°  
TVD 10086.08'



17060

17080

17100

17120

17140

17160

17180

17200

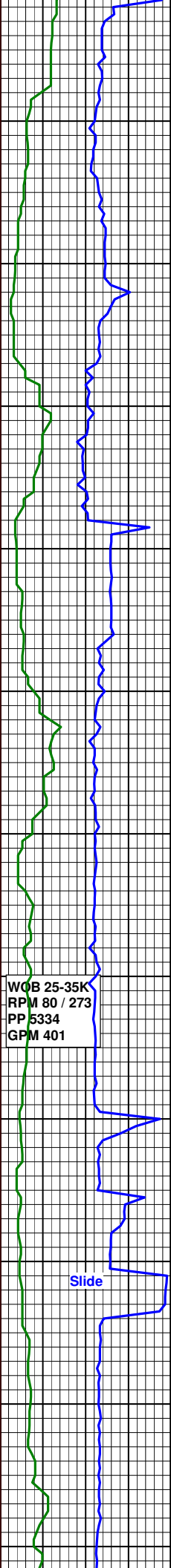
17220

17240

17260

MD 17086'  
ANG 92.91°  
AZM 348.85°  
TVD 10081.82'

MD 17180'  
ANG 92.64°  
AZM 349.47°  
TVD 10077.27'



17280  
17300  
17320  
17340  
17360  
17380  
17400  
17420  
17440  
17460  
17480

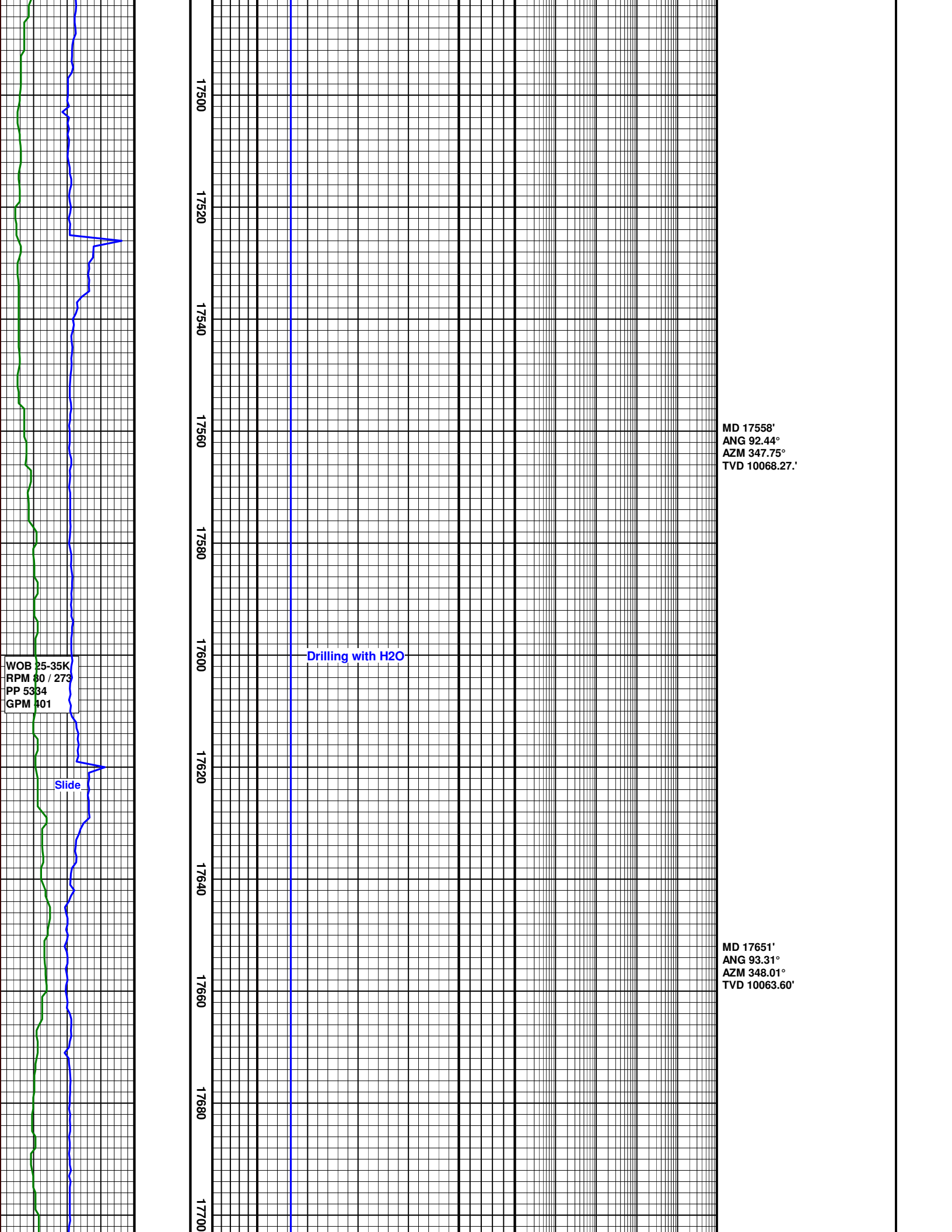
1/2/2022  
MW 8.4  
Vis 29  
PV 1  
YP 1  
CI 700

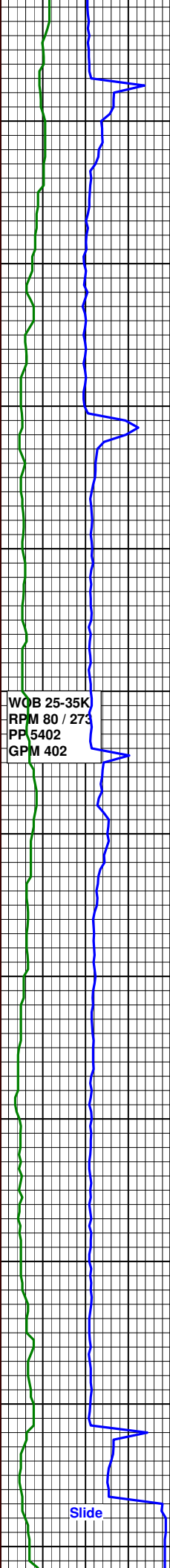
Drilling with H2O

MD 17276'  
ANG 90.64°  
AZM 348.73°  
TVD 10074.53'

MD 17368'  
ANG 90.33°  
AZM 347.94°  
TVD 10073.75'

MD 17463'  
ANG 91.92°  
AZM 348.34°  
TVD 10071.88'



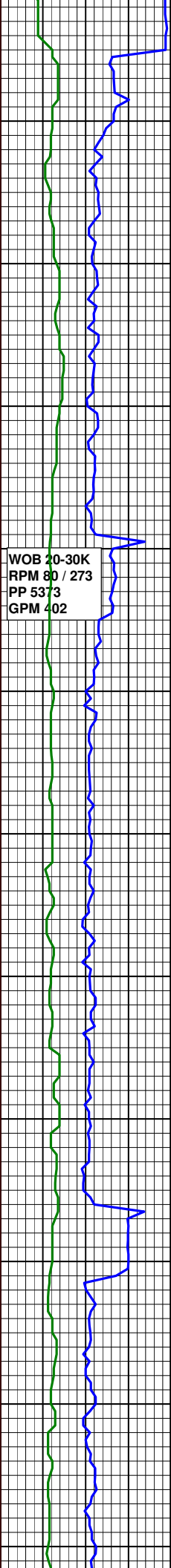


17720 17740 17760 17780 17800 17820 17840 17860 17880 17900 17920

Drilling with H2O

MD 17746'  
ANG 93.72°  
AZM 348.01°  
TVD 10057.78'

MD 17840'  
ANG 94.86°  
AZM 347.48°  
TVD 10050.75'



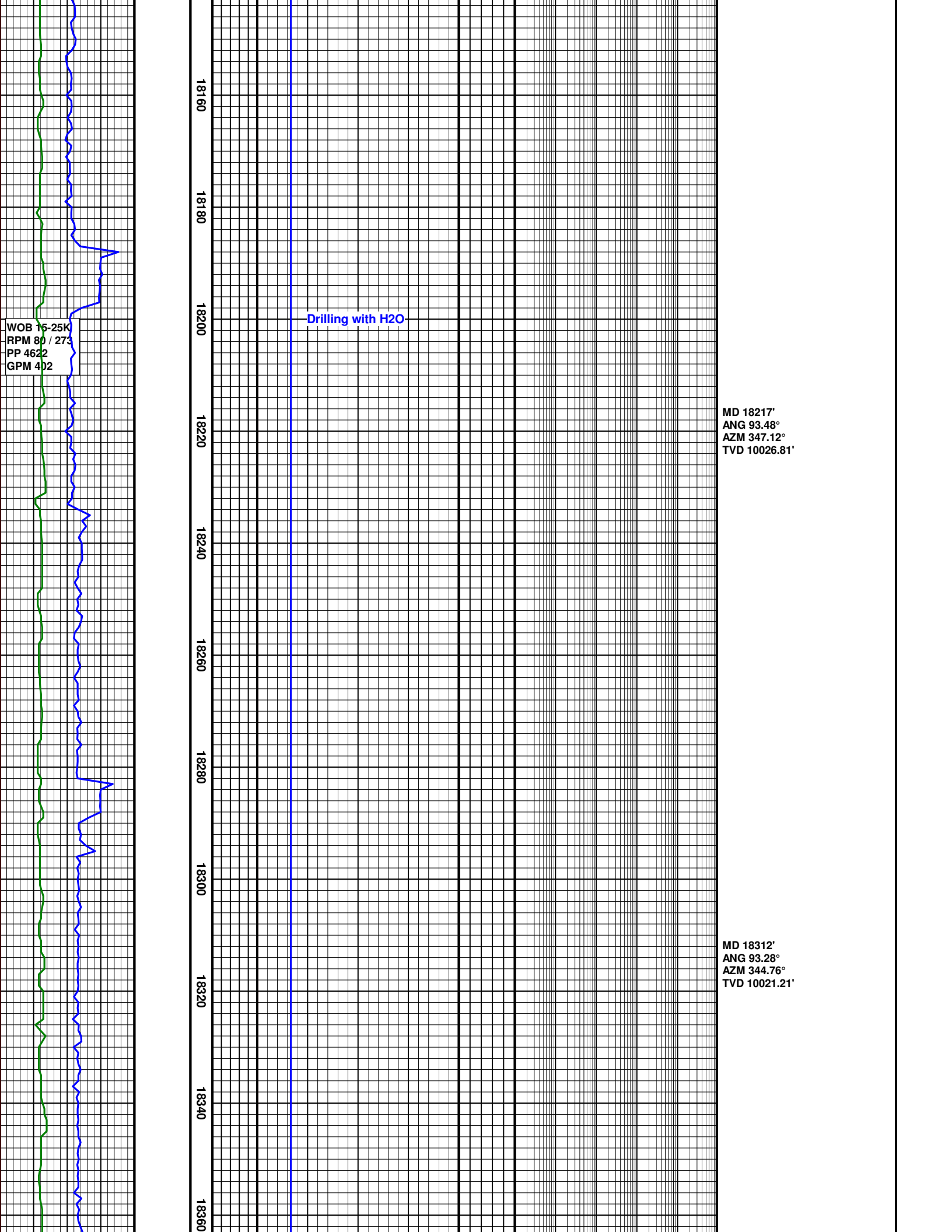
17940 17960 17980 18000 18020 18040 18060 18080 18100 18120 18140

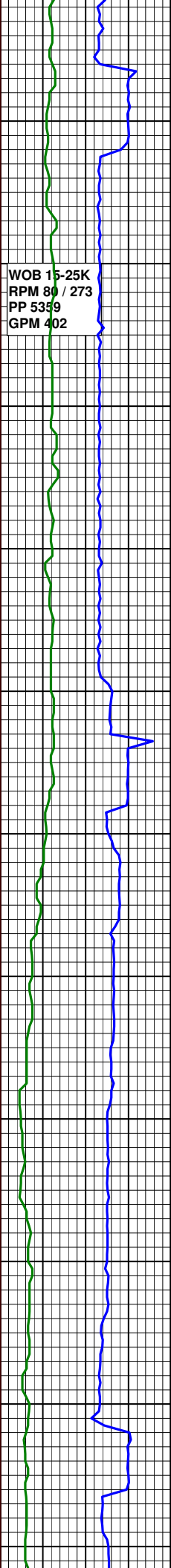
Drilling with H2O

MD 17935'  
ANG 93.84°  
AZM 348.14°  
TVD 10043.54'

MD 18030'  
ANG 93.33°  
AZM 348.27°  
TVD 10037.60'

MD 18123'  
ANG 93.21°  
AZM 347.87°  
TVD 10032.30'





18380 18400 18420 18440 18460 18480 18500 18520 18540 18560 18580

Drilling with H2O

MD 18406'  
ANG 93.16°  
AZM 342.60°  
TVD 10015.93'

MD 18501'  
ANG 94.59°  
AZM 341.33°  
TVD 10009.51'

MD 18582'  
ANG 95.01°  
AZM 340.81°  
TVD 10003.18'



ANG 96.01°  
AZM 341.46°  
TVD 10002.03'

WOB 20-30K  
RPM 80 / 273  
PP 5326  
GPM 402

18600

Drilling with H2O

18620

18640

TD well @ 18,645'MD / 9,995'TVD

18660

Gamma		
0	API	150
Casing Pressure		
0	PSI	1000
ROP		
600	Ft/Hr	0
ROP		Lith

			NButane		
			100	PPM	100000
			IButane		
			100	PPM	100000
			Propane		
			100	PPM	100000
			Ethane		
			100	PPM	100000
			Methane		
			100	PPM	100000
			Kick/Loss		
			-5		1
			Total Gas		
			0	Units	2000
Frac.	Gas	Fluor	Chromatograph		Remarks