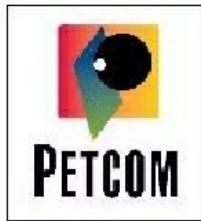


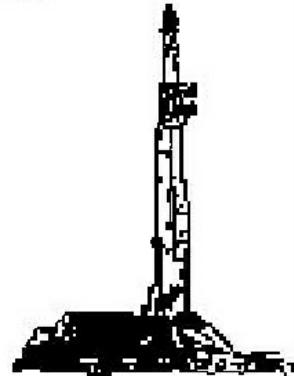
GOOLSBY BROTHERS and associates, inc.

575 Union Blvd, Suite 208
Lakewood, CO 80228
303-945-2860 Office



Geological Wellsite Supervision

www.goolsbybrothers.com



Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: STATE #3-16

API: 05-121-11073

Location: NENW Sec 16 T3N R52W Washington County, CO.

License Number:

Region:

Spud Date: June 02, 2018

Drilling Completed: June 09 , 2018

Surface Coordinates: 1700' FWL, 1100' FNL (NENW)

39.79648 N Latitude, -103.21273 W Longitude

Bottom Hole A/A

Coordinates:

Ground Elevation (ft): 4,821'

K.B. Elevation (ft): 4,827'

Logged Interval (ft): 289' To: 4492'

Total Depth (ft): 4504' LMTD

Formation: J SAND TARGET

Type of Drilling Fluid: Gel Lime for surf., LSND 'surf-DMTD 4500',

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: ST CROIX, Paul Melnychinko

Address: PO Box 13799

Denver, CO. 80201

GEOLOGIST

Name: Phillip Willcox

Company: Goolsby Brothers & Assoc. (GBA), Inc. (www.goolsbybrothers.com)

Address: 575 Union Blvd.

Suite 208,
Lakewood CO. 80228

Logs

Platform Express Array Induction, Porosity

Casing

8 5/8" Surface Casing set @ 324'
5 1/2" Production Casing Ran 06/11/18

Contractors

- 1) Drilling Contractor: Xcell; Rig #10
Toolpusher: Max
- 2) Company Man: Gary Doke

ROCK TYPES

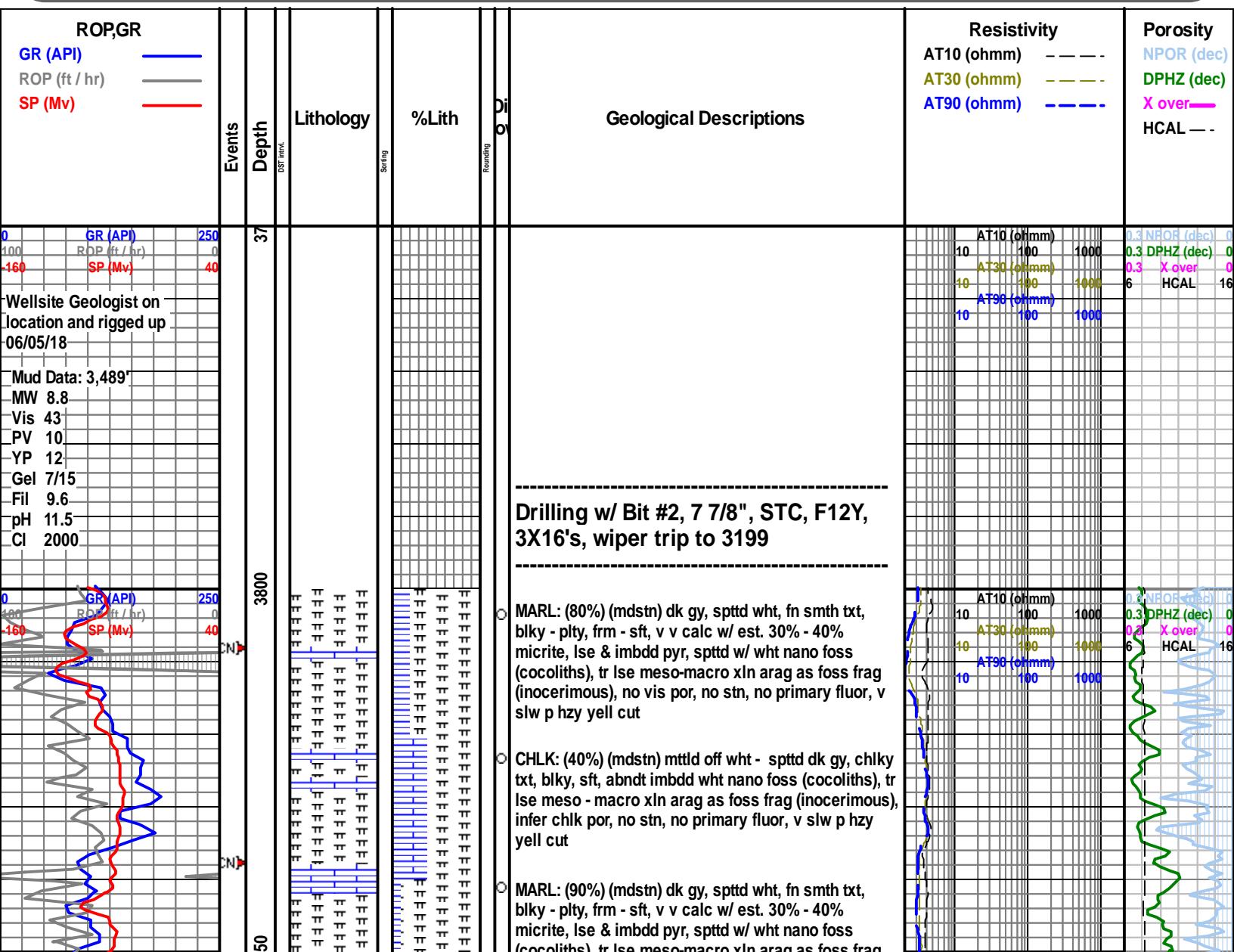
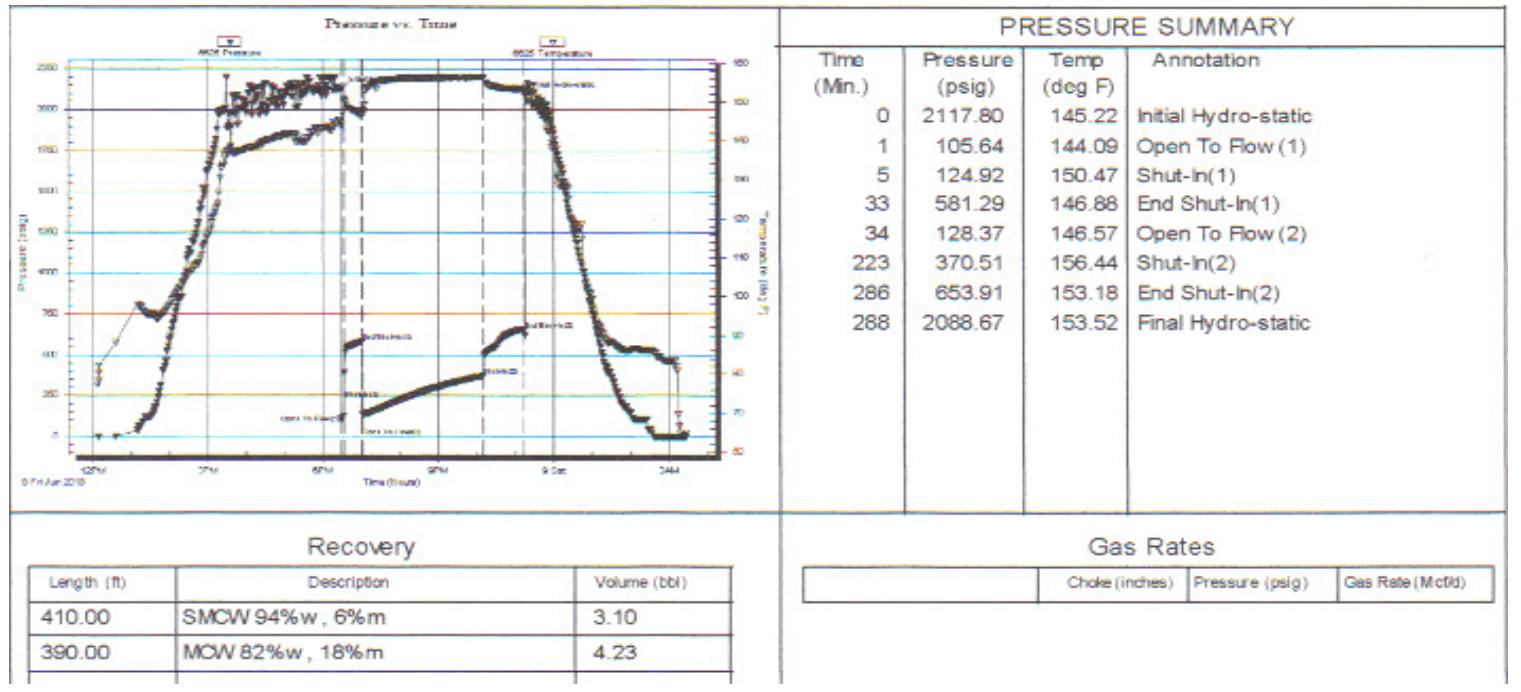
	Bent		Ls		Ss		Arg dol
	Arg ss		Mrst		Chlk		Clybasedsltst
	Cht		Sh		Mdstn		Carb sh
	Clyst		Shcol		Fracture		Carb chalk
	Coal		Shgy		Anhyd		Arg lmy ss
	Congl		Ss		Mdstn		Ss
	Dol		Cement		Sltst		Slt sh
	Gyp						

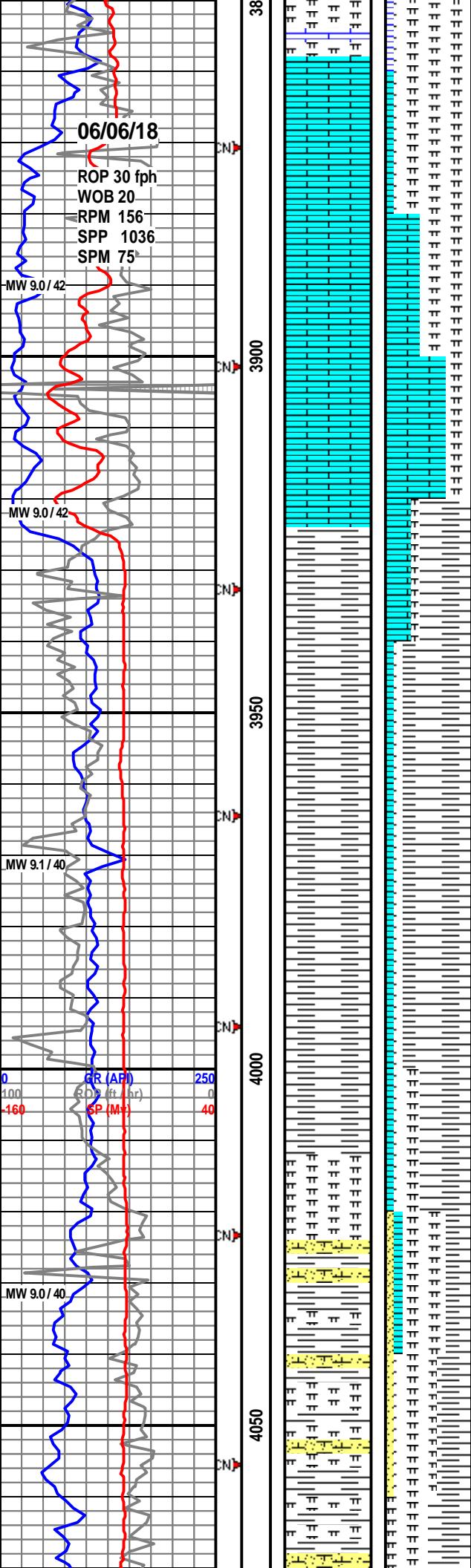
ACCESSORIES

MINERAL	FOSSIL	TEXTURE	
	Minxl		Gyp
	Nodule		Ls
	Phos		Mrst
	Pyr		Sltstrg
	Salt		Ssstrg
	Sandy		
	Silt		
	Sil		
	Sulphur		
	Tuff		
	FOSSIL		
	Algae		
	Amph		
	Belm		
	Bioclst		
	Brach		
	Bryozoa		
	Cephal		
	Coral		
	STRINGER		
	Anhy		
	Arg		
	Bent		
	Coal		
	Dol		

OTHER SYMBOLS

POROSITY TYPE	SORTING	OIL SHOWS	EVENTS
	Well		
	Moderate		
	Poor		
	ROUNDING		
	Rounded		
	Subrnd		
	Subang		
	Angular		
		INTERVALS	





(coccoliths), trilete meso-macro aren as loss frag (inocerimous), no vis por, no stn, no primary fluor, v slw p hzy yell cut

LS: (10%) wht, pred amorph - sb chky, chky - blky, frm - mod hd, cln, no vis por, NSFOC

LS: (40%) wht, pred amorph - sb chky, chky - blky, frm - mod hd, cln, no vis por, NSFOC

LS: (80%) wht, pred amorph - sb chky, chky - blky, frm - mod hd, cln, no vis por, NSFOC

SH: (60%) dk gy, fn smth - slty txt, plty, frm, non calc

SH: (90%) dk gy, fn smth - slty txt, plty, frm, non calc

SH: (80%) dk gy, fn smth - slty txt, plty, frm, non calc

tr vf gr ss

SH: (80%) dk gy, fn smth - slty txt, plty, frm, non calc

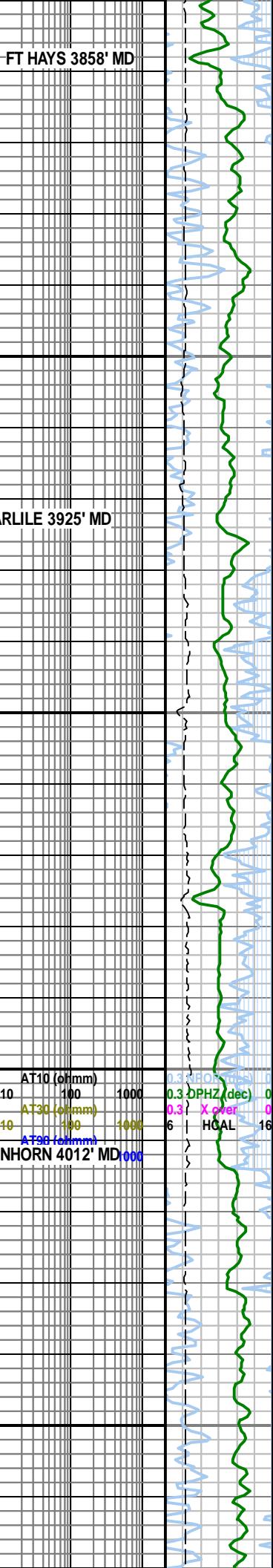
ARG LMY SS: med lt gy, vf - fn gr, sbrnd, mod srtd, mod cons - fri, abndt calc cmt, est 18% vis por, NSFOC

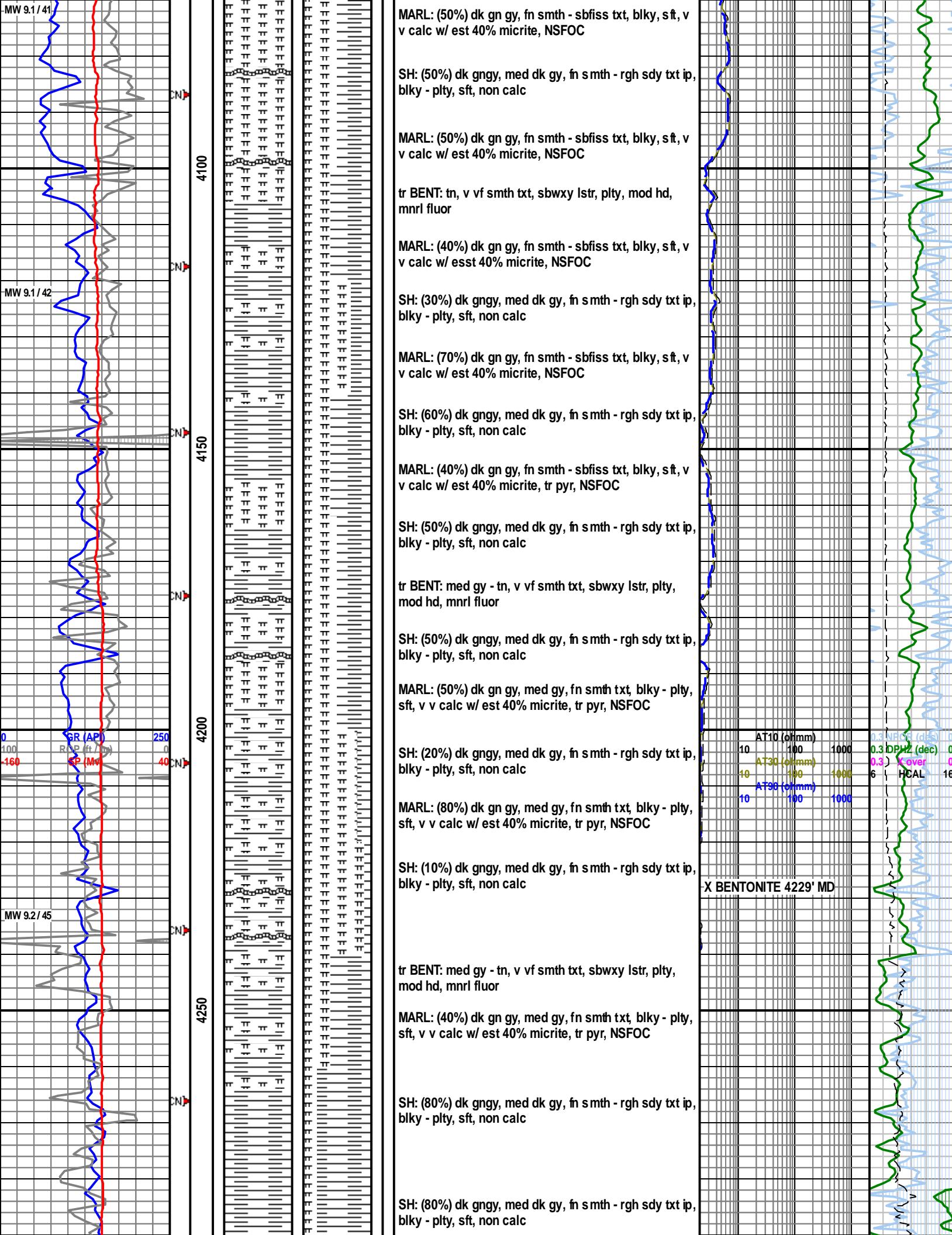
MARL: (40%) dk gy, gn gy, rgh slty txt, blky, sft - frm, v calc

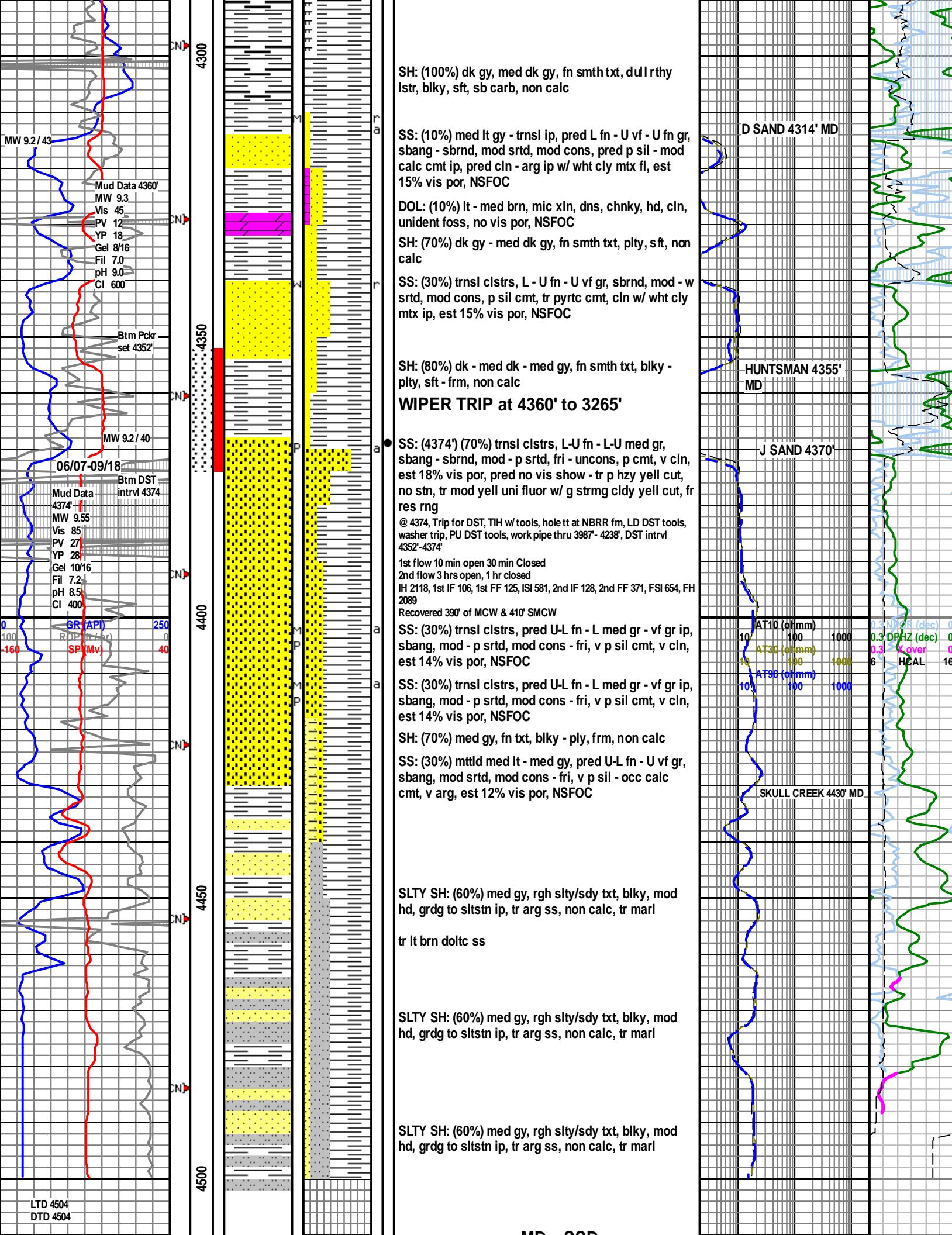
SH: (50%) dk gngy, med dk gy, fn smth - rgh sdy txt ip, blky - plty, sft, non calc

MARL: (40%) dk gn gy, fn smth - sbfiss txt, blky, sft, v calc w/ est 40% micrite

SH: (50%) dk gngy, med dk gy, fn smth - rgh sdy txt ip, blky - plty, sft, non calc







MD SSD

FT HAYS	3858'	+969
CARLILE	3925'	+902
X BENTONITE	4229'	+598
D SAND	4314'	+513
J SAND	4370'	+457
SKULL CREEK	4430'	+397

THANK YOU!!!
Phillip Willcox, Goolsby Brothers

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