

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Schmitt #4-23
Location: 2310' FNL&2199' FWL, Sec. 23-T22S-R25W, Hodgeman Co. KS.
Licence Number: 15-083-21863-0000 Region: Hallet East Ext.
Spud Date: 11/27/2012 Drilling Completed: 12/4/2012
Surface Coordinates: 2310' FNL & 2199' FWL, Sec. 23-T22S-R25W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2507' K.B. Elevation (ft): 2518'
Logged Interval (ft): 3900' To: 4730' Total Depth (ft): 4730'
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Native Mud/Gel to 3213'; Chemical Gel 3213' to 4730'
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Herman L. Loeb, LLC.
Address: P.O. Box 838
Lawrenceville, IL. 62439-0838

GEOLOGIST

Name: Jon D. Christensen
Company: Consulting Petroleum Geologist
Address: 9002 W. Silver Hollow St.
Wichita, KS. 67205-8856

Cores

None Taken

DSTs

DST #1(Conglomerate/Miss) 4594' - 4654'(Corrected Depths to LOG) Test Times 15"-45"-30"-60" IFP Weak Blow, died; FFP No Blow, no Blowback on SI's; REC: 1' Clean Oil, 3' Drilling Mud, no water; IFP 29-32#, ISIP 125#, FFP 34-37#, FSIP 64#, IHP 2273#, FHP 2212#, BHT 114 Deg. F.

DST #2(Miss. Dolomite) 4656' - 4677'(Corrected Depths to LOG) Test Times 15"-45"-30"-60" IFP Weak 0.5" Blow; FFP No Blow, no Blowback on SI's; REC: 8' OCM(2%O, 98%M), no water; IFP 14-16#, ISIP 1188#, FFP 18-22#, FSIP 932# and Building, IHP 2289#, FHP 2266#, BHT 112 Deg. F.

Comments

11/27/12 MIRU Sterling Drilling Rig #2, Spud at 10:30 PM.; 11/28/12 TD. 613' - CCH prior to setting Surface Casing; 11/29/12 Drilling at 1015'; 11/30/12 Drilling at 2863'; 12/1/12 Drilling at 4201'; 12/2/12 Drilling at 4580'; 12/3/12 TD. 4650' - CCH after DST #1; 12/4/12 RTD. 4730' - TOH for Logs, LTD. 4736' - P&A.

Set new 8 5/8" 24# Surface Casing at 607' with 345 sx. cement(Basic Energy Services). Cement Did Circulate to Pit. PD. 2:00 PM. 11/28/12.

Surveys: 0.75 Deg. at 613'(Surface Casing); 0.5 Deg. at 4400'(Bit Trip); 0.75 Deg. at 4650'(DST #1).




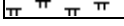
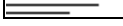
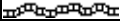




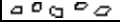


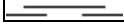
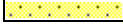





Pipe Strap at 4650'(DST #1): Strap 0.03' Short to the Board, no correction made to the Board.

After review of the Nabors Well Services LOGS, DST data, and lack of commercial amounts of hydrocarbons, the operator elected to Plug and Abandon the Schmitt #4-23 well on 12/4/2012 at RTD. 4730'.






































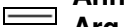


















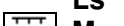
LOG TOPS: Anhydrite 1683(+835), Base Anhydrite 1714(+804), Heebner Shale 3930(-1412), Toronto 3946(-1428), Lansing 3981(-1463), Kansas City 'J' 4236(-1718), Stark Shale 4279(-1761), Base Kansas City 4381(-1863), Marmaton 4406(-1888), Pawnee 4493(-1975), Fort Scott 4523(-2005), Cherokee Shale 4547(-2029), Conglomerate 4606(-2088), Miss. Spergen 4625(-2107), Miss. Warsaw 4678(-2160).














NOTE: This log was shifted downward by 4' - 5' for correlation purposes with the Nabors Well Services LOGS.

ROCK TYPES
























 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

ACCESSORIES

MINERAL		FOSSIL	
 Anhy	 Gyp	 Algae	 Ostra
 Arggrn	 Hvymin	 Amph	 Pelec
 Arg	 Kaol	 Belm	 Pellet
 Bent	 Marl	 Bioclst	 Pisolite
 Bit	 Minxl	 Brach	 Plant
 Brecfrag	 Nodule	 Bryozoa	 Strom
 Calc	 Phos	 Cephal	
 Carb	 Pyr	 Coral	STRINGER
 Chtdk	 Salt	 Crin	 Anhy
 Chtlt	 Sandy	 Echin	 Arg
 Dol	 Silt	 Fish	 Bent
 Feldspar	 Sil	 Foram	 Coal
 Ferrpel	 Sulphur	 Fossil	Dol
 Ferr	 Tuff	 Gastro	 Gyp
 Glau		 Oolite	 Ls
			 Mrst

 Sltstrg	TEXTURE
 Ssstrg	 Boundst
	 Chalky
	 Cryxln
	 Earthy
	 Finexln
	 Grainst
	 Lithogr
	 Microxln
	 Mudst
	 Packst
	 Wackest

OTHER SYMBOLS

POROSITY	 Vuggy	ROUNDING	 Spotted
 Earthy		 Rounded	 Ques
 Fenest	SORTING	 Subrnd	 Dead
 Fracture	 Well	 Subang	
 Inter	 Moderate	 Angular	INTERVAL
 Moldic	 Poor		 Core
 Organic		OIL SHOW	 Dst
 Pinpoint		 Even	
			EVENT
			 Rft
			 Sidewall

Curve Track 1

ROP (min/ft)

Gamma (API)



Depth

Porosity Type

Lithology

Oil Shows

Geological Descriptions

TG, C1-C5

TG (Units)

C1 (units)

C2 (units)

C3 (units)

C4 (units)

C5 (units)



ROP (min/ft) 10
Gamma (API) 150

38

3900

3950

4000

ROP (min/ft)
Gamma (API)

WOB 10-12K
PP 950#
SPM 68
RPM 95-100

Vis 50
Wt. 9.2
LCM 2#

ROP (min/ft) 10
Gamma (API) 150

HERMAN L. LOEB, LLC.

SCHMITT #4-23

GEOLOGICAL REPORT

KB. 2518'

NOTE: Drilling with PDC bit through this section

NOTE: TOPS PICKED FROM DRILLING TIME RECORDS

HEEBNER SHALE 3930(-1412)

NO SAMPLES SAVED

LANSING 3981(-1463)

TG, C1-C5 50 500

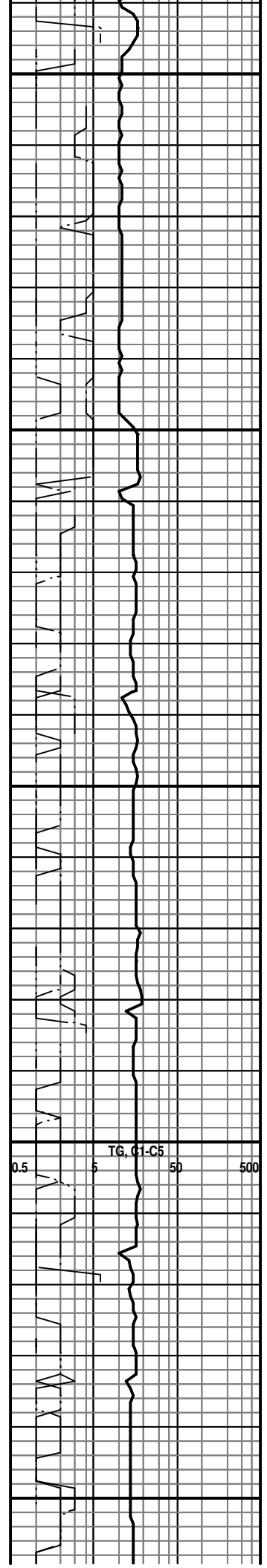
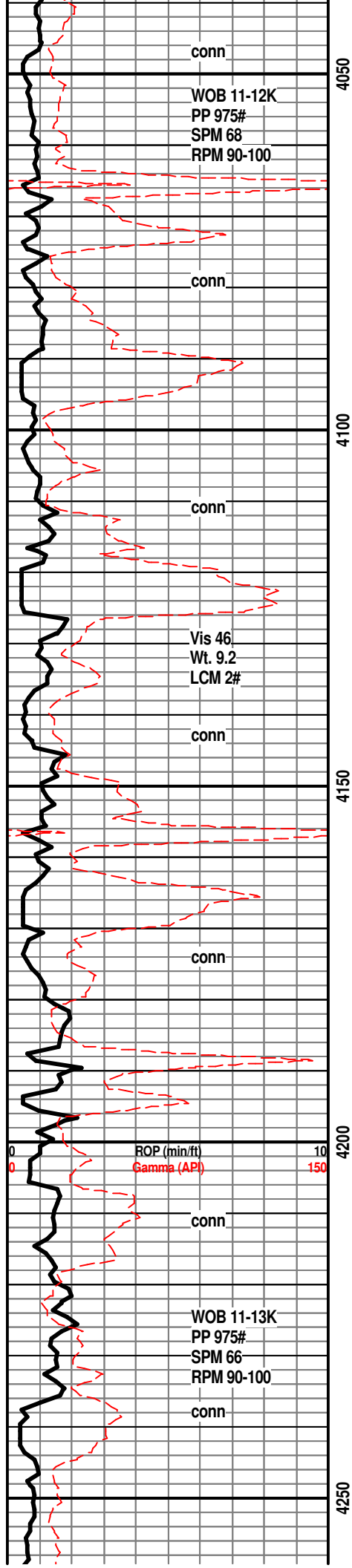
TG, C1-C5 50 500

conn

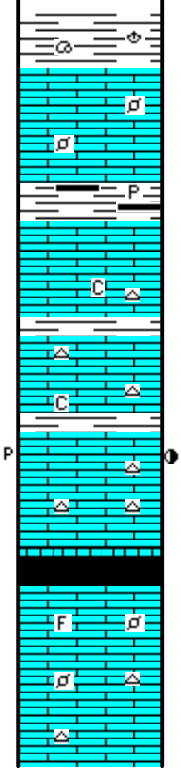
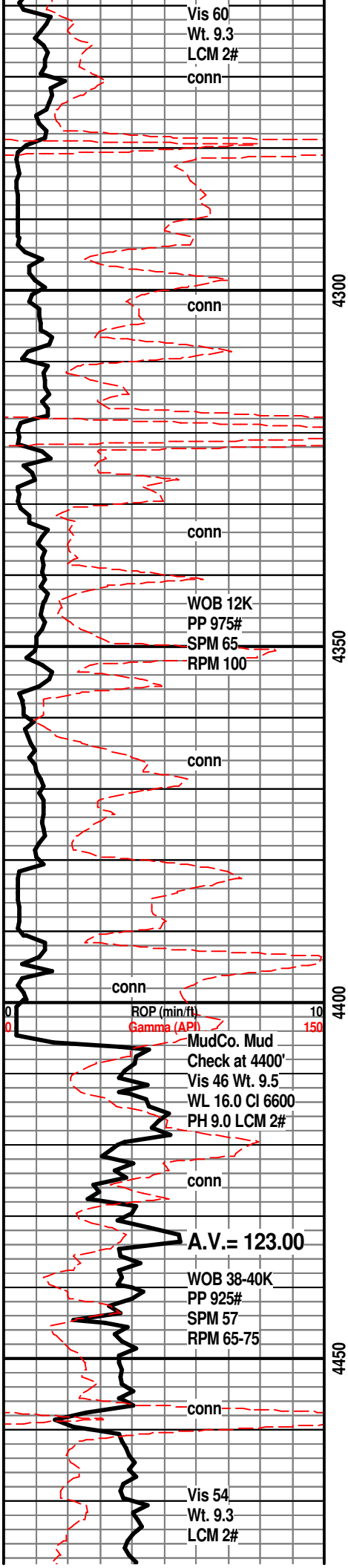
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conn

conn



K.C. DENNIS "J" 4236(-1718)



BASE KANSAS CITY 4381(-1863)

Bit Trip at 4400' / Start 10' Samples

MARMATON 4406(-1888)

LM; lt gy, tan, buff, most dense, scat well cem foss mat, spotty lt yel min fluor, no vis por, no stn or odor, ns.

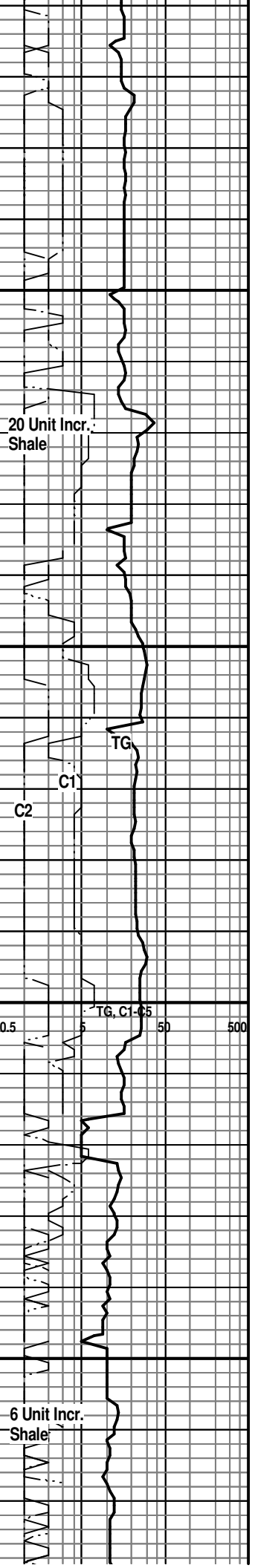
SH; dk gy, blk, platy, occ pyr

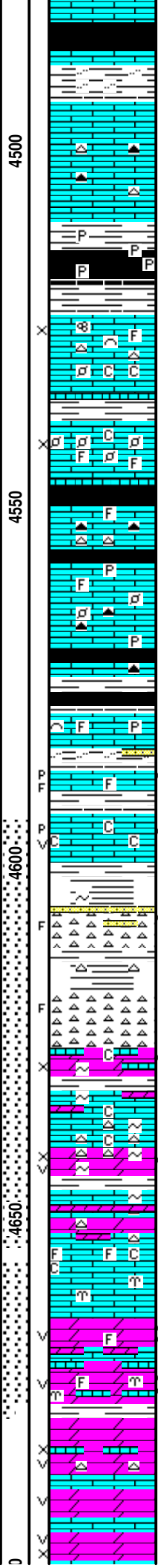
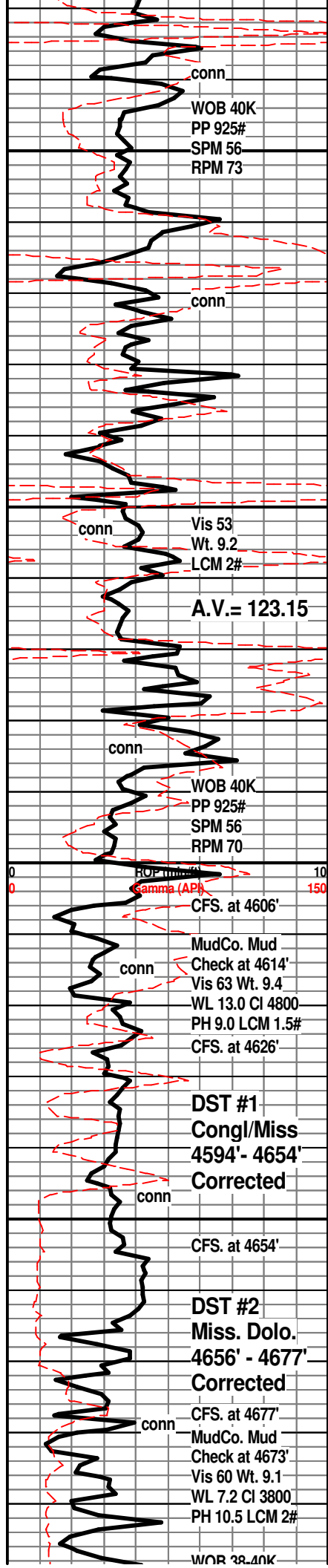
LM; off wh, tan, buff, fxln to micritic, scat trans/opaque cht, minor soft chalky mtx, occ lt yel min fluor, no stn or odor, ns.

LM; off wh, tan, fxln, poor to fair p-p por w/spotted med brn oil stn, faint odor when crushed, no F.O., no apparent gas kick, lt yel fluor, looks tite, interbdd opaque cht

SH; blk, carb ip, platy

LM; off wh, cream, tan, scat foss mat, most well cem, much hd dense occ cherty micrite, dull yel min fluor, no vis por, ns.





SH; blk, carb, soft to blocky, trc gas

SH; med gy, grn, rust red, platy, silty
PAWNEE 4493(-1975)

LM; lt brn, tan, buff, fxln w/trc sucrosic text, hd, no vis por, scat tan to amber cht, occ lt yel min fluor, no stn or odor, ns.

SH; dk gy, blk, platy, carb ip, scat pyr

FORT SCOTT 4523(-2005)

LM; lt to med brn, tan, foss ip, most fxln w/trc poor interxln por, minor gy to tan cht, lt yel min fluor, no stn or odor, ns.

LM; off wh, wh, buff, foss w/scat small pellets, chalky soft mtz ip, trc poor interpart por, no stn odor, no sample shows

CHEROKEE SHALE 4547(-2029)

SH; blk, carb ip, platy

LM; med brn, foss ip, scat foss hash and small pellets, most well cem, hd, no vis por, occ org to brn foss cht, ns.

LM; lt to med brn, pyr ip, most dense, occ well cem foss mat, trc org/brn cht, no vis por, no stn or odor, ns.

SH; blk, gy grn, some varic w/red, platy, firm, interbdd hd lmy shale strngs.

LM; off wh, tan, fxln, rarely foss, scat edge stn - poss frags, poor p-p por, dk brn/blk dead stn, no live oil, no odor, med yel fluor

LM; off wh, wh, fxln, occ soft chalky mtz, spotted med/dk brn stn, fair p-p w/occ vug por, no F.O., v. faint odor, med to brite yel fluor

CONGLOMERATE CHT. 4606(-2088)

CHT; org, yel, transl, fresh - fractured ip, some nodular, trc trip, interbdd grn vf to f gr qtz ss w/live oil stn, no stn or odor, trc blk dead tar/gilsonite, interbdd varic sh

CHT; org, yel/org, red, most fresh, frags, much varic sh, no stn or odor, no gas kick, ns.

MISSISSIPPI SPERGEN 4626(-2108)

LM & DOL; wh, off wh, lt gy, med xln to cse, scat soft chalky mtz, dolomitic w/ interbdd dolo. lmst, scat dk brn/blk spotted to dead stn, poor interxln por, lt yel fluor, no odor, occ glau

DOL; lt/med gy, sucrosic, occ cherty, poor to fair interxln w/rare vug por, lt yel fluor, v. faint odor, spotted med brn stn, faint odor, glau ip, interbdd hd lmy dolo/dolomitic lmst.

DST #1: Conglom./Miss. 4594' - 4654' Corrected Depths to LOG

LM; off wh, tan, f/med xln, foss ip, chalky ip, ns.

DOL; tan, lt brn, sucrosic, fair/gd vug por, gd odor, spotted/even brn stn, med yel fluor, SSFO

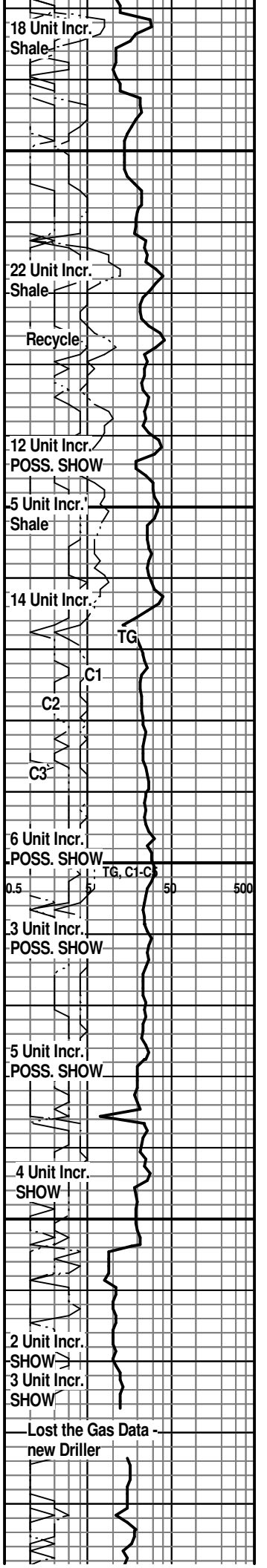
DOL; tan/gy, sucrosic, lmy ip, scat gd vug por, med yel fluor, gd odor, SSFO, altered foss mat, fair/gd cut, spotted/even med brn stn

DST #2: Miss. Dolo. 4656' - 4677'

MISS. WARSAW 4678(-2160)

DOL; lt gy, sucrosic to fine rhombic, cherty ip, fair interxln w/scat vug por, dull yel fluor, ns.

DOL; tan, lt brn, sucrosic, fair to gd interxln w/vug por, dull vel min fluor. no stn/odor. ns.



WOB 33-40K

PP 950#
SPM 56
RPM 75

conn

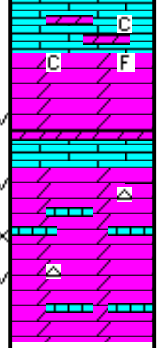
Vis 56
Wt. 9.2
LCM 2#

CFS. at RTD.

4700

4750

00



LM; off wh, lt brn, dolomitic, scat chalky mtx, poor interxln por, no fluor, ns.

DOL; tan to lt gy, gy brn, sucrosic, interbdd hd lmy dolo & lmst, scat vug por, no fluor, ns.

DOL; tan to lt gy, gy brn, rare med gy, finely rhombic, occ sucrosic, fair vug w/scat interxln por, minor off wh cht, no fluor, no stn or odor, ns.

RTD. 4730' at 3:40 AM. 12/4/12

LTD. 4736'

Nabors Well Services - DIL, Neu/Den with PE, Microlog

NOTE: This log was shifted downward by 4' - 5' for correlation purposes with the Nabors LOGS.

6 Unit Incr.

8 Unit Incr.

