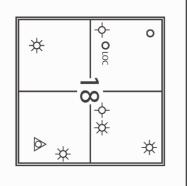
# David A. Barker

## CONSULTING GEOLOGIST

### Geologist's Report Drilling Time and Sample Log

OPERATOR.	Chieft	Chieftain Oil Company, Inc	ompar	iy, Inc
LEASE	Jake		WELL NO.	NO. 2
	Traffas	API No	. 15-0	<b>API No.</b> 15-007-23718
LOCATION 2260' FNL & 850' FWL NW SE SW NW	2260'FNL	& 850'FW	L NW S	SE SW NW
SEC. 18	TWP.	335	RGE.	10W
COUNTY	Barber	Si	STATE	Kansas
ONTRACTOR	Fossi	Fossile #2		
омм. 9/20	9/20/2011	COMP	9/30/2011	11
<b>TD</b> 5235		LOGTD_	5228	
SAMPLES SAVED FROM 3500	FROM 350		7   	T.D.
ORILLING TIME KEPT FROM_	EPT FROM	3200	  -  -	T.D.
SAMPLES EXAMINED FROM	NED FROM	3500	   	T.D.
GEOLOGICAL SUPERVISION FROM 3700	PERVISION FR	ом 3700		<b>ro</b> T.D

		<u> </u>	<u> </u>	<u> </u>	JL		<u> </u>		<u> </u>	<u> </u>	ا ۳		
	5235 229 SX	PRODUCTION 5 1/2"@		300 SX	SURFACE 8 5/8 " @ 328	CASING RECORD		From KB	Measuremnts Are All	<b>GL</b> 1621	<b>DF</b> 1627	<b>KB</b> 1629	ELEVATION



REFERENCE WELL FOR STRUCTURAL POSITION

18 - T33S - R10W, Circle #1

2310' FNL & 455' FWL, SW SW NW

#### GEOLOGIST

Name: David A. Barker

Company:

Address: 212 N. Market, Suite# 320

Wichita, Kansas 67202 (316) 259-4294, 2 Barker@sbcglobal.net

Superior- Gamma Ray,

MUD UP

3200

**FORMATION** 

POG

Hushpuckney Sh

4418 4445

-2789 -2816

4428 4456

Heebner Lansing Stark Sh

> 3752 3951

-2123 -2322

2332

+7

STRUCT.

Dual Induction,

4

Compensated Neutron & Density, S.P. & Caliper

**10p** 3762

Base K.C. Altamont Pawnee

4478 4515 4588 4635

-2849 4488 -2886 4524 -2959 4598 -3006 4646

+10

4 4 5

Mississippian Kinderhook

4660 4880 4992

-3031 -3251 -3363

4894

-2827 -2857 -2895 -2969 -3017 -3035 -3265

DNP

\$ 4

5002

4664

Cherokee

Simpson Sd.

Simpson

5082 5098

-3469

-3481

DUP DUP

Viola

#### OPERATOR

Company: Chieftain Oil Co., Inc. Address: 605 S. 6th, P.O. Box 124 Kiowa, Kansas 67070

#### Daily Status

9-20-2011: set 8 5/8 casing to 328' with 300 SX cement, plug down at 2:30 a.m.

9-20-2011: set 8 5/8 casing to 328 9-21-2011: Morning depth: 1730' 9-22-2011: Morning depth: 2616' 9-23-2011: Morning depth: 3325' 9-24-2011: Morning depth: 3895' 9-25-2011: Morning depth: 4398'

9-26-2011: Morning depth: 4485', DST #1, 4456' to 4482' 9-27-2011: Morning depth: 5010', DST #2 4896' to 5010' 9-28-2011: Morning depth: 5010', DST #2 4896' to 5010'

9-29-2011: Morning depth: 5034'

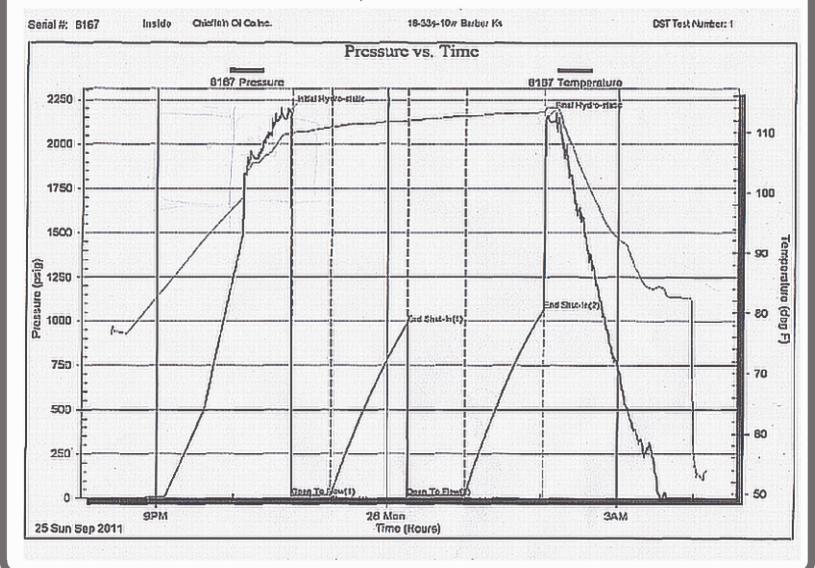
9-30-2011: Morning depth: 5235' frun E-log, ran 124 Jts of 5 1/2" casing with 229 SX of cement.

#### Remarks

Recommended perforation intervals are: 4660-4664 & 4679-4685. Once these zones are exhausted and before abandonement, two zones should be further evaluated through perforation and acidation: the Pawnee from 4589-4592, and the Hertha from 4454-4460.

#### **DST** # 1

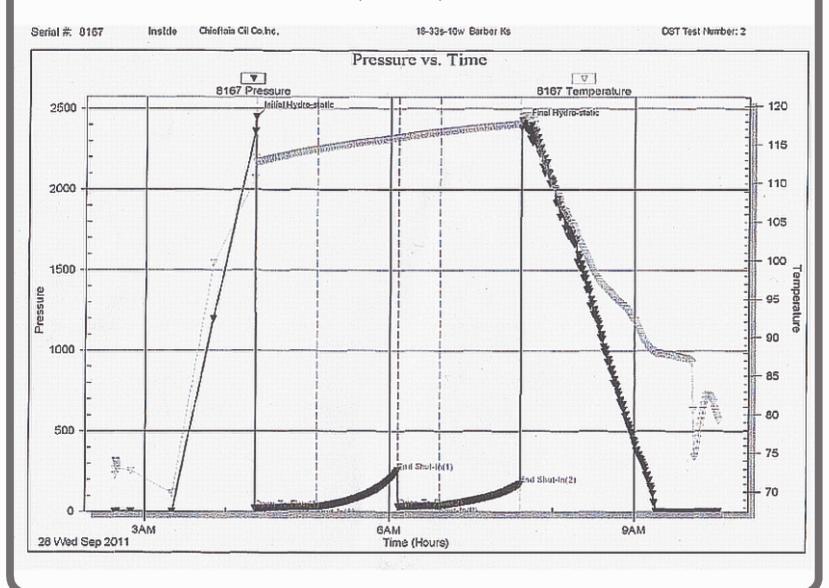
"Hertha" 4456' to 4482', 30-60-45- 60, IF period: strong blow, B.O.B. in 4 minutes, FF period: strong blow, B.O.B. in 2 secounds, REC: 2040' gas in pipe, and 20' of drilling mud, IHP 2187#, IFP# 15-18#, FFP 11 to 16#, BHP 987 to 1065#.



#### **DST #2**

"Miesner Sand", 4896' to 5010', 45-60-30-60, IFP weak blow 1/2" to 1 1/2", FFP no blow,

REC: 25' drilling mud, IHP 2449 FHP 2404#, IFP 22 to 31#, FFP 31-38#, BHP 255 to 173#





#### **OTHER SYMBOLS**

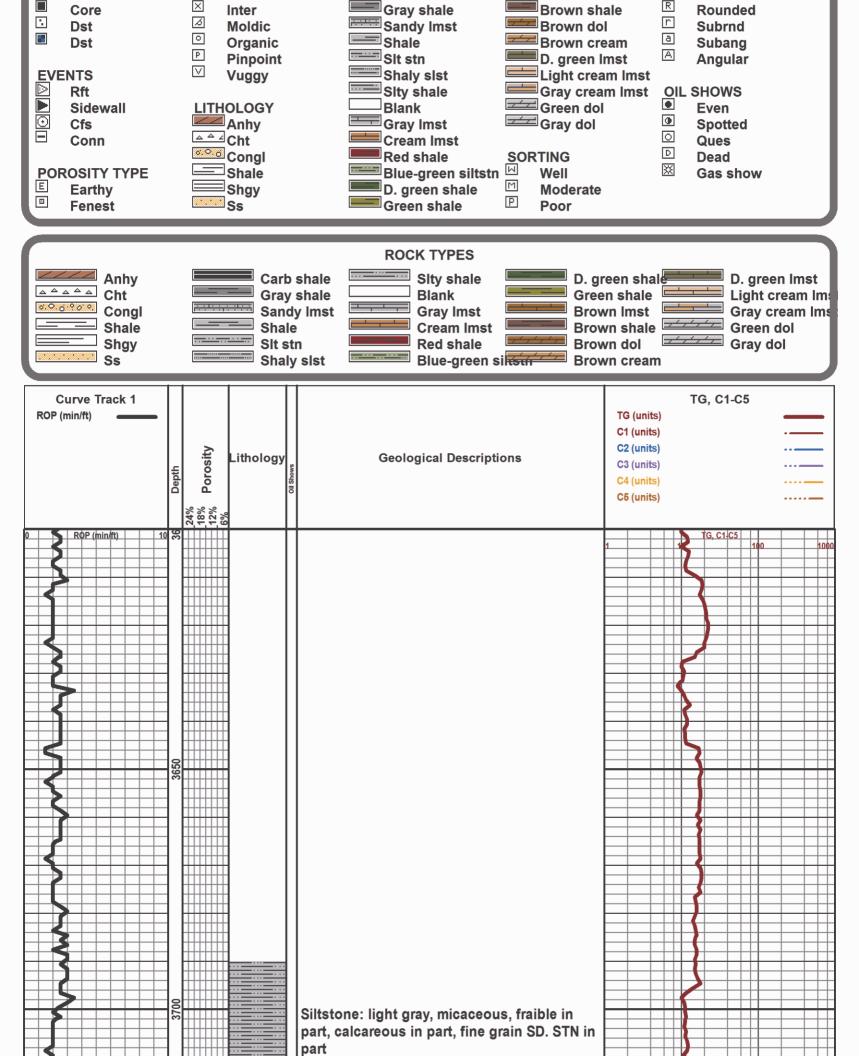
**INTERVALS** 

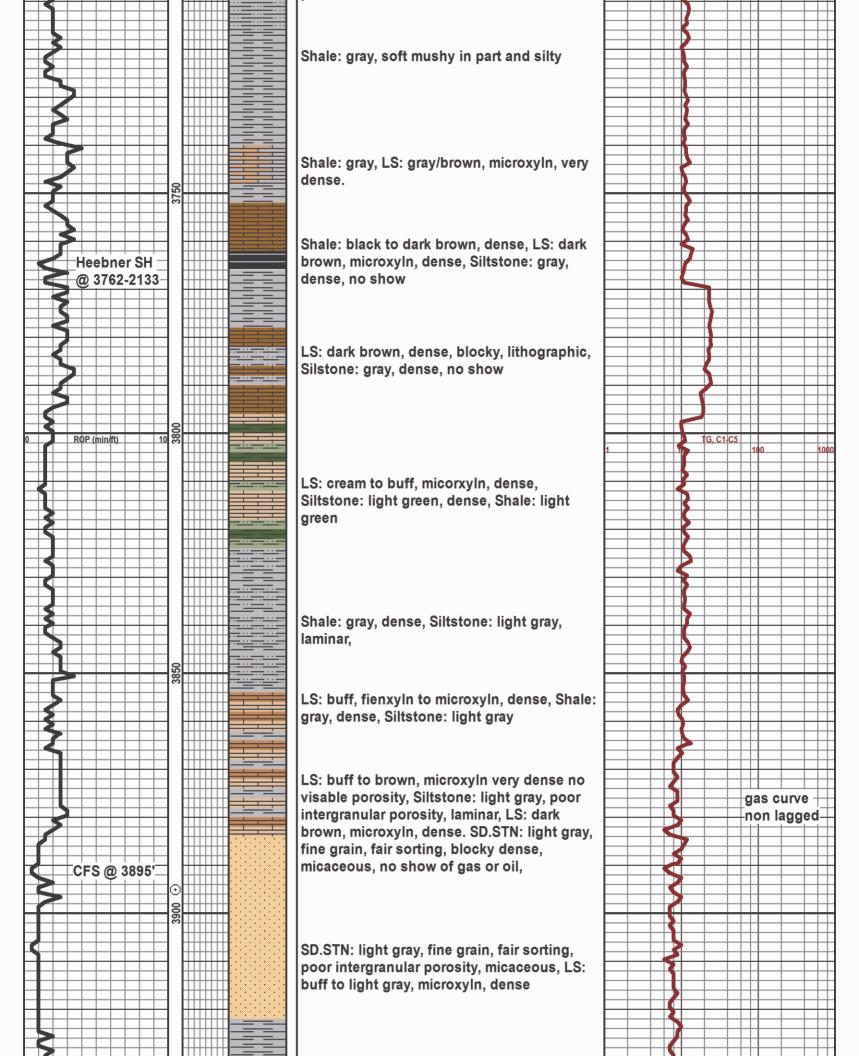
F **Fracture** 

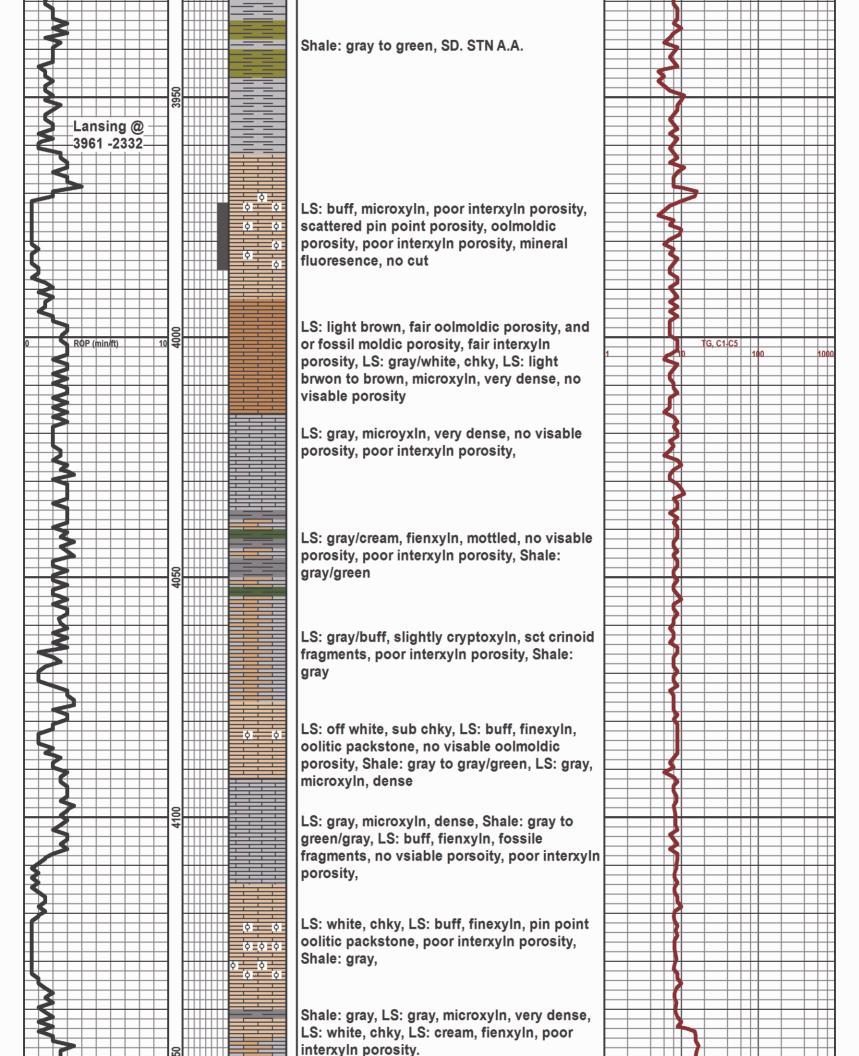
Carb shale

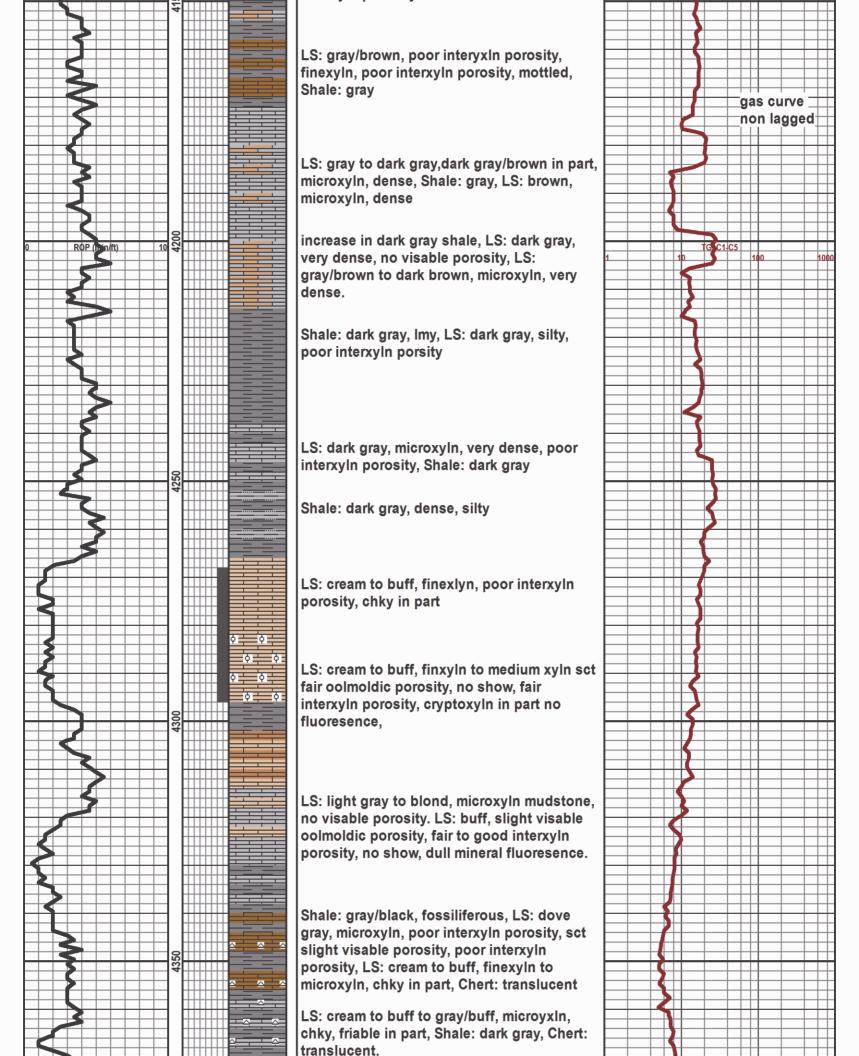
Brown Imst

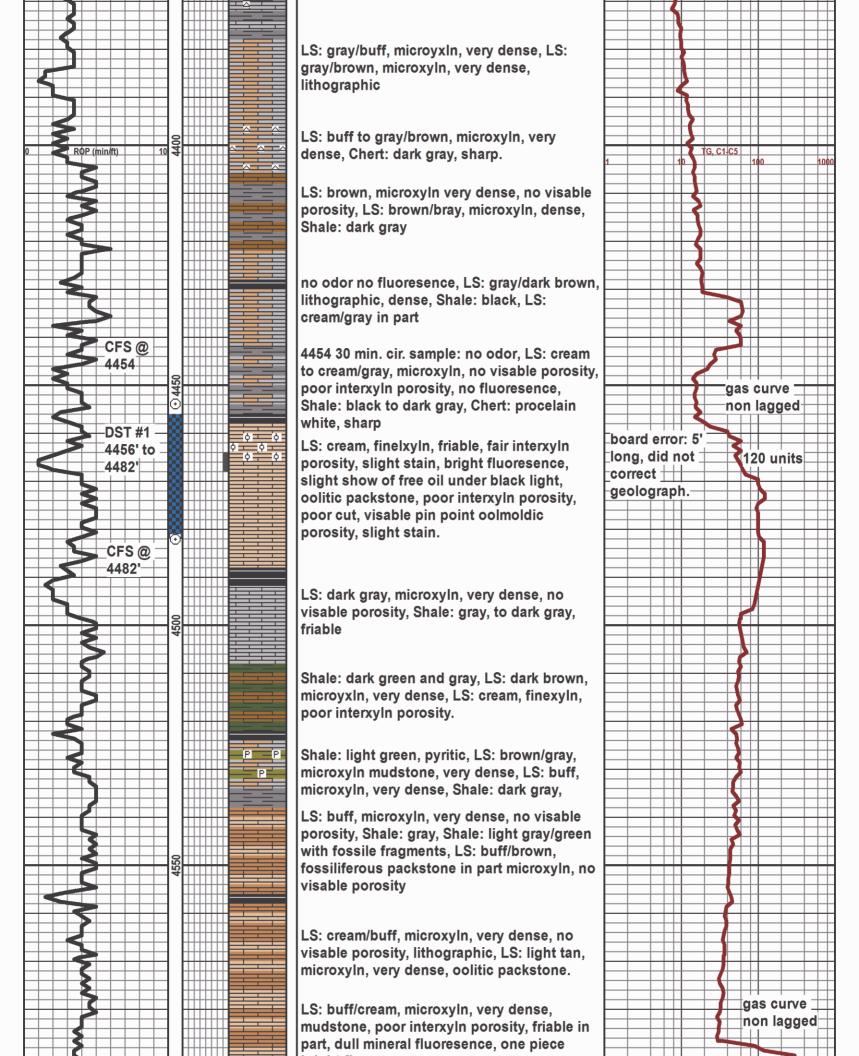
ROUNDING

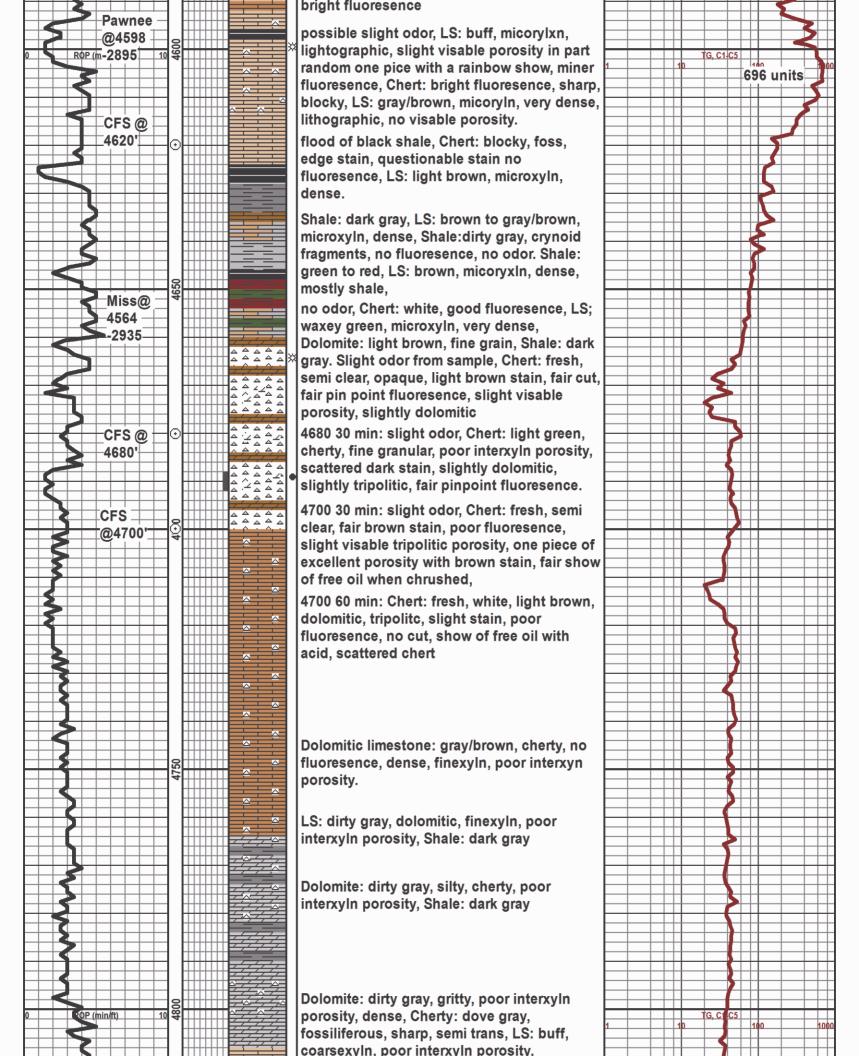












LS: cream, coarsexyln, fossiliferous, poor interxyln porosity, chky in part, no fluoresence. flood of white chky LS, Shale: light gray, calcareous LS: cream, microyxln, dense, LS: light green, microxyln, waxey, poor interxyln porosity, LS: light brown, microxyln, very dense, no visable porosity. LS: cream, microxyln, dense, chky in part, poor interxyln porosity, Shale: gray, LS: gray/brown, microxyln, dense. LS: dark jade, finexyln, dense, no visible porosity. LS: light buff, microxyln very dense, no visable porosity, poor interxyln porosity, Shale: gray, **DST #2** 4896' to Shale: dark green, blocky, dense -5010'<del>\</del> flood of dense, gray/brown, laminar Shale Shale: gray/earthy brown, Shale: dark gray to brown, dolomitic Shale: chocolate brown, dense Shale: brown/black, very dense with fluoresence spores SD.STN: fine grain, fair sorting, poor intergranular porosity, bright pin point fluoresence, slight stain, slight odor when chrushed, poor cut, small amount of shale in 10 005 P (min/ft) sand cluster, sct heavy brown stain., Viola <sup>•</sup> @5002-LS: cream, coarsexyln, poor interxyln -3373 porosity, no show, sample mostly shale, no Trip out of hole show. to repair mud -CFS @ pump@ 5034' 5010' down 🚻

