KOLAR Document ID: 1319671

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	_ API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□ NE □ NW □ SE □ SW
CONTRACTOR: License #	
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	_
□ Deepening □ Re-perf. □ Conv. to EOR □ Conv. to SWD □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Produce	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	- Quarter Sec TwpS. R
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received Drill Stem Tests Received					
Geologist Report / Mud Logs Received					
UIC Distribution					
ALT I II Approved by: Date:					

KOLAR Document ID: 1319671

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion			
Operator	Vincent Oil Corporation			
Well Name	FISCHER 1-4			
Doc ID	1319671			

All Electric Logs Run

Dual Induction	
Density - Neutron	
Microlog	
Sonic	

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	FISCHER 1-4
Doc ID	1319671

Tops

Name	Тор	Datum
Heebner Shale	4300	(-1741)
Brown Limestone	4422	(-1863)
Lansing	4433	(-1874)
Stark Shale	4741	(-2182)
Base Kansas City	4864	(-2305)
Pawnee	4961	(-2402)
Cherokee Shale	5008	(-2449)
Base Penn Limestone	5109	(-2550)
Mississippian	5134	(-2575)
RTD	5230	(-2671)

Form	ACO1 - Well Completion			
Operator	Vincent Oil Corporation			
Well Name	FISCHER 1-4			
Doc ID	1319671			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	439	Common	275	2% Gel, 3% CC & 1/4# Cell- Flake/sx

QUALITY WELL SERVICE, INC.

ederal Tax I.D. # 481187368

6529

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410 Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

The above was done to satisfaction and supervision of owner agent or contractor. To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Finish 3,00 3 Discount Total Charge On Location 3,00 State 2755× FLOAT EQUIPMENT CFL-117 or CD110 CAF 38 State Cement Amount Ordered Pumptrk Charge 0 Common 27 0 Mud CLR 48 **Guide Shoe** AFU Inserts Latch Down Centralizer Float Shoe Mileage Poz. Mix Flowseal Handling Mileage Calcium Kol-Seal Charge To Baskets County Street Sand Hulls gel. Salt City Ford Location 150005 37 5 3 Range 00 7 カス Depth 421. JOB SERVICES & REMARKS Depth/ok/ Shoe Joint Displace 3 Twp. Depth 5 Well No. Ü. EQUIPMENT Sec. きる 20 6-22-16 No. 8 S No. Cement Left in Csg. D/V or Port Collar 00 1 Centralizers Mouse Hole SCH Signature Contractor Meas Line Hole Size Type Job Tbg. Size Rat Hole Pumptrk Baskets Bulktrk Pickup Bulktrk Lease Date Tool

QUALITY WELL SERVICE, INC. Federal Tax I.D. # 481187368

6531

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410 Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

710-070 VB	14-000				Di auy s	s cell 020-121-0304	+020+
	Sec.	Twp.	Range	County	State	On Location	Finish
Date 6-29-16	ナ	200	24	Ford	K	12:30	4:30
Lease Fisher	>	Well No.	1-4	Location			
Contractor Duke	6			Owner			
Type Job Return Pl	00			To Quality W	To Quality Well Service, Inc.	ementing equipmen	and furnish
Hole Size 7 7/2		T.D. 5	5230	cementer ar	nd helper to assist owr	er or contractor to d	lo work as listed.
csg. 8 78		Depth	437	Charge	Incorat Oil		
Tbg. Size		Depth		Street			
Tool		Depth		City		State	
Cement Left in Csg.		Shoe Joint	int	The above w	The above was done to satisfaction and supervision of owner agent or contractor.	d supervision of owner	agent or contractor.
Meas Line		Displace	0)	Cement Am	Cement Amount Ordered 250	5x (60/40 4	14987
	EQUIPMENT	MENT					
Pumptrk No.	MIK.	8.		Common	150		
Bulktrk No.	152			Poz. Mix	05		
Bulktrk No.				Gel. 9			
Pickup No.				Calcium			
JOB SERVICI	RVICES	ES & REMARKS	RKS	Hulls			
Rat Hole 2054 (60	OTI (45.	Col	Salt			
l e	ska	450	loo!	Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or	CFL-117 or CD110 CAF 38		
15 Dr.11 Dive	B	1570	Load hon	€ Sand			
with mod. Dum	(20)	water	Sparor	ing	259		
permon Sor	04/00	3/5	Gel 1300	Gred Mileage 50	.0		
10.7 18/15 H76	10				FLOAT EQUIPMENT	INT	
				Guide Shoe			
200 Dull pipe a	840	1000	hole with	Mud. Centralizer			
Dunned Water St	XIC OF	Rumble	1 808 h	0/40 Baskets			
450 CA Displan	0 (1)	力工	LIS H 26	AFU Inserts			
				Float Shoe			
30 Dell pipe 2	476	Lood	The with	Mud Latch Down			
Dumped Soise Li	0140	45, 601	1 c) ISD GOOD	with LMU	50		
46 HZ HZ/6.			_	Smerrie	* Superioring		
				Pumptrk Charge	arge Rotery Pl	Qc, .	
of Dull pipe of	09	- (Med Zost	Mileage	0X2		
100/40 4/20 06/00)	100	D Sur	6110			Tax	
1	0		*			Discount	
Signature ////////////////////////////////////	coas	h				Total Charge	
1	1						Taylor Printing, Inc.



DRILL STEM TEST REPORT

Vincent Oil Corporation

4-28S-24W Ford

Reference Elevations:

200 W Douglas Ave # 725

Fischer 1-4

Wichita, KS 67202

Job Ticket: 57996 **DST#:1**

2559.00 ft (KB)

2546.00 ft (CF)

ATTN: Tom Dudgeon

Test Start: 2016.06.28 @ 23:19:01

GENERAL INFORMATION:

Formation: Conglomerate

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: 01:37:16

Tester: Leal Cason
Time Test Ended: 08:10:16

Unit No: 74

Interval: 5037.00 ft (KB) To 5150.00 ft (KB) (TVD)

Total Depth: 5236.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

Serial #: 8525 Inside

Press@RunDepth: 74.79 psig @ 5038.00 ft (KB) Capacity: 8000.00 psig

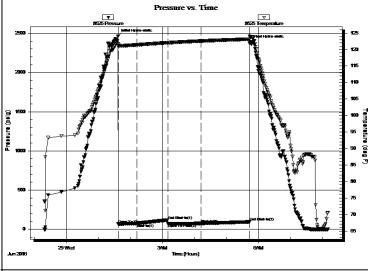
 Start Date:
 2016.06.28
 End Date:
 2016.06.29
 Last Calib.:
 2016.06.29

 Start Time:
 23:19:02
 End Time:
 08:10:16
 Time On Btm:
 2016.06.29 @ 01:37:01

 Time Off Btm:
 2016.06.29 @ 05:44:01

TEST COMMENT: IF: Weak 1 inch Blow, Died Off to 1/4 inch

ISI: No Blow Back FF: No Blow FSI: No Blow Back



		Г	NESSUR	LE SUIVIIVIANT
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2462.31	121.79	Initial Hydro-static
	1	67.63	120.91	Open To Flow (1)
	35	74.62	121.42	Shut-In(1)
,	93	119.38	122.08	End Shut-In(1)
3	94	73.27	122.06	Open To Flow (2)
	155	74.79	122.59	Shut-In(2)
ì	246	95.11	123.16	End Shut-In(2)
9	247	2387.20	123.81	Final Hydro-static

PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
SGCM 5%G 95%M	0.05
	·

Gas Rates						
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)			

Trilobite Testing, Inc Ref. No: 57996 Printed: 2016.06.29 @ 08:27:12



DRILL STEM TEST REPORT

Vincent Oil Corporation

4-28S-24W Ford

200 W Douglas Ave # 725

Fischer 1-4

Wichita, KS 67202

Job Ticket: 57996 DST#: 1

ATTN: Tom Dudgeon

Test Start: 2016.06.28 @ 23:19:01

GENERAL INFORMATION:

Formation: Conglomerate

Deviated: Whipstock: Test Type: Conventional Straddle (Initial) ft (KB)

Time Tool Opened: 01:37:16 Time Test Ended: 08:10:16

Interval:

Total Depth:

Unit No: 74

Leal Cason

Reference Elevations: 2559.00 ft (KB)

2546.00 ft (CF)

5037.00 ft (KB) To 5150.00 ft (KB) (TVD)

5236.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

KB to GR/CF: 13.00 ft

Serial #: 8358 Below (Straddle)

Press@RunDepth: 5169.00 ft (KB) psig @ Capacity: Start Date: 2016.06.28 End Date: 2016.06.29

8000.00 psig Last Calib.: 2016.06.29

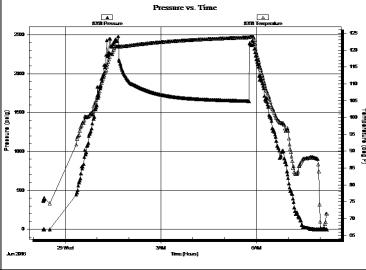
Start Time: 23:19:02 End Time: 08:13:16 Time On Btm:

Time Off Btm:

Tester:

TEST COMMENT: IF: Weak 1 inch Blow, Died Off to 1/4 inch

ISI: No Blow Back FF: No Blow FSI: No Blow Back



PRESSURE SUMMARY

_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
<u> </u>				
9				
5				
Temperature (deg F)				
				i I

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SGCM 5%G 95%M	0.05

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 57996 Printed: 2016.06.29 @ 08:27:12



DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

4-28S-24W Ford

200 W Douglas Ave # 725 Wichita, KS 67202 Fischer 1-4

Job Ticket: 57996

Serial #:

DST#: 1

ATTN: Tom Dudgeon

Test Start: 2016.06.28 @ 23:19:01

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 54.00 sec/qt Cushion Volume: bbl

Water Loss: 7.20 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3100.00 ppm Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SGCM 5%G 95%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 57996 Printed: 2016.06.29 @ 08:27:13

110

115

120

125

65

70

75

80

85

90

95

Temperature (deg F)

100

105

DST Test Number: 1

110

115

120

125

65

70

75

80

85

90

95

Temperature (deg F)

100

105



Scale 1:240 Imperial

Well Name: Fischer 1-4

Surface Location: 4-28S-24W 330' FNL 2385 FEL

Bottom Location:

API: 15-057-20972-0000

License Number: 5004

Spud Date: 6/21/2016 Time: 7:00 PM

Region:

Drilling Completed: 6/28/2016 Time: 8:31 AM

Surface Coordinates: 330' FNL & 2385' FEL

Bottom Hole Coordinates:

Ground Elevation: 2546.00ft K.B. Elevation: 2559.00ft

Logged Interval: 2500.00ft To: 5230.00ft

Total Depth: 5230.00ft
Formation: Pawnee
Drilling Fluid Type: Chemical Mud

OPERATOR

Company: VIncent Oil Corporation

Address: 200 W Douglas

Ste. 725

Wichita, KS 67202

Contact Geologist: Dick Jordan Contact Phone Nbr: 316.262.3573

Well Name: Fischer 1-4

Location: 4-28S-24W 330' FNL 2385 FEL API: 15-057-20972-0000

Pool: WILDCAT Field: WILDCAT State: KS Country: USA

CONTRACTOR

Contractor: Duke Drilling Co. Inc.

Rig #: 9
Rig Type: Rotary

 Spud Date:
 6/21/2016
 Time:
 7:00 PM

 TD Date:
 6/28/2016
 Time:
 8:31 AM

 Rig Release:
 6/29/2016
 Time:
 6:30 PM

LOGGED BY

Company: Vincent Oil Corporation

Address: 200 W Douglas

Ste 725

Wichita, KS 67202

Phone Nbr: 316.262.3573

Logged By: Geologist Name: Tom Dudgeon

ELEVATIONS

K.B. Elevation: 2559.00ft Ground Elevation: 2546.00ft

N.D. to Ground. 13.001t

TOTAL DEPTH

 Measurement Type:
 Measurement Depth:
 TVD:

 RTD
 5230.00
 5236.00

 LTD
 5236.00
 5236.00

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: -99.9507779 Latitude: 37.6472056

N/S Co-ord: 330' FNL E/W Co-ord: 2385' FEL

DRILLING FLUID SUMMARY

Type Date From Depth To Depth Chemical Mud 6/21/2016 3828.00ft 5230.00ft

OPEN HOLE LOGS

Logging Company: ELI

Logging Engineer: Jason Cappellucci

Truck #: 3802

Logging Date: 6/29/2016 Time Spent: 6 # Logs Run: 4 # Logs Run Successful: 4

LOGS RUN

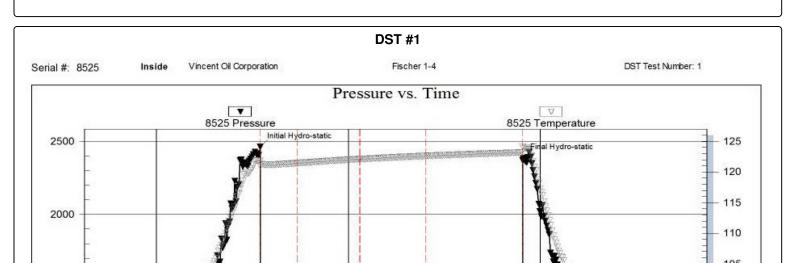
Tool	Logged Interval L	ogged Interval	Hours	Remarks	Run #
Dual Induction	0.00ft	5236.00ft	3.00		1
Comp Density/F	2600.00ft	5236.00ft	3.00		1
Micro	2600.00ft	5236.00ft	3.00		2
Sonic	0.00ft	5236.00ft	3.00		2

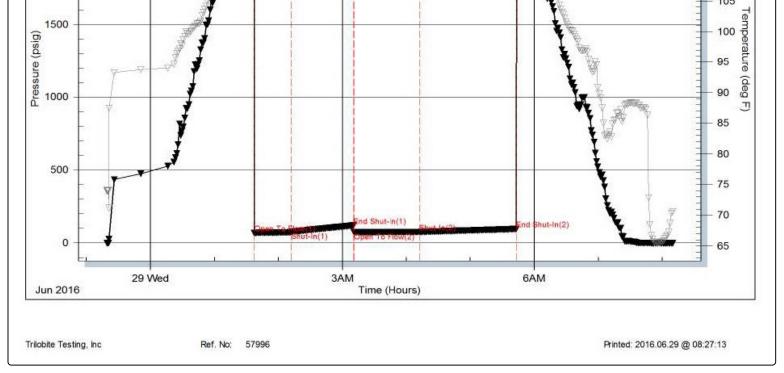
LOGGING OPERATION SUMMARY

Date From To Description Of Operation 6/21/2016 0.00ft 5236.00ft Logs ran successfully

CASING SUMMARY					
	Surface	Intermediate	Main		
Bit Size Hole Size	12.25 in 12.25 in				
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing Int Casing Prod Casing	8.625 in	437 ft	23#	10	6/22/2016 11:00 AM
		CASIN	G SEQUENCE		

Type Hole Size Casing Size At Surface 12.25 in 8.63 437.00 ft







MINERAL

- ⊥ Calcareous
- ▲ Chert, dark
- Chert Pebble black
- Glauconite
- Heavy, dark minerals
- P Pyrite
- Sandy
- · Silty
- ∠ Euhed rhombs of dol or (
- △ Chert White

ACCESSORIES

STRINGER

Dolomite

· · · Sandstone

TEXTURE C Chalky

OTHER SYMBOLS

POROSITY TYPE

- × Intercrystalline
- Φ Interoolitic
- V Vuggy
- P Pinpoint
- Moldic کہ
- O Organic
- F Fracture
- e Earthy
- Fenestral

OIL SHOWS

Even Stn

FOSSIL ○ Crinoids

♦ Oolite

F Fossils < 20%

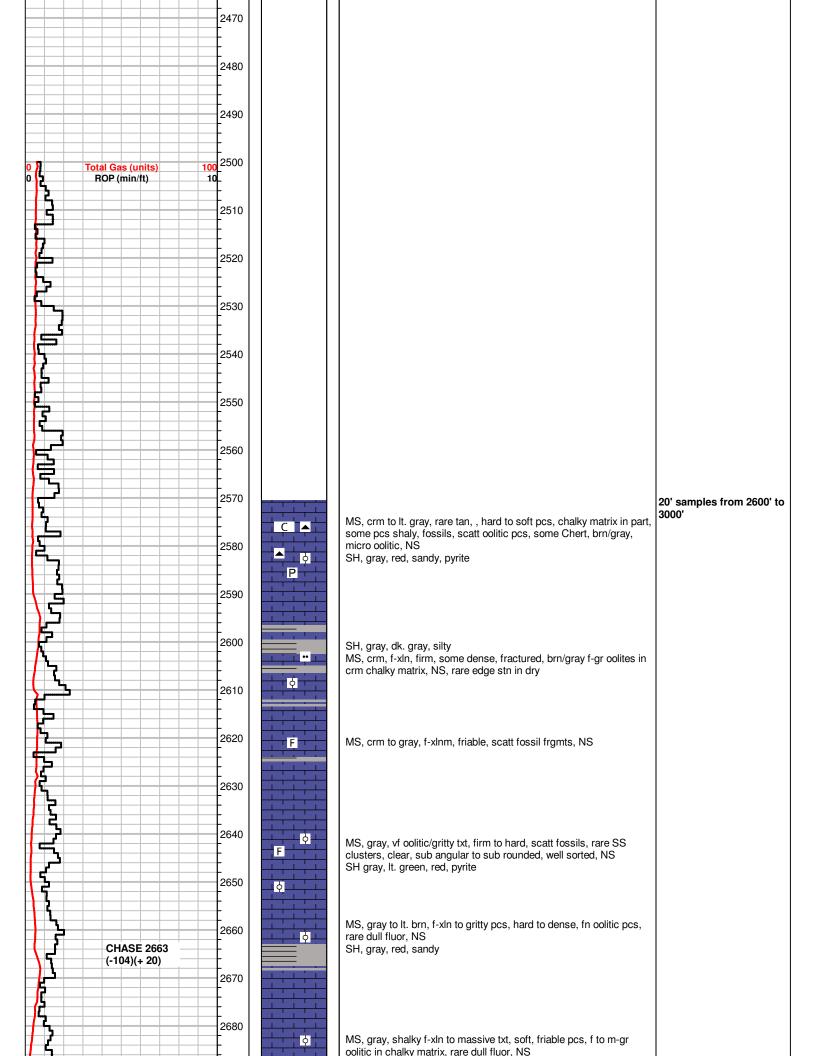
- Spotted Stn 50 75 %
- O Spotted Stn 25 50 %
- O Spotted Stn 1 25 %
- O Questionable Stn
- D Dead Oil Stn
- Fluorescence

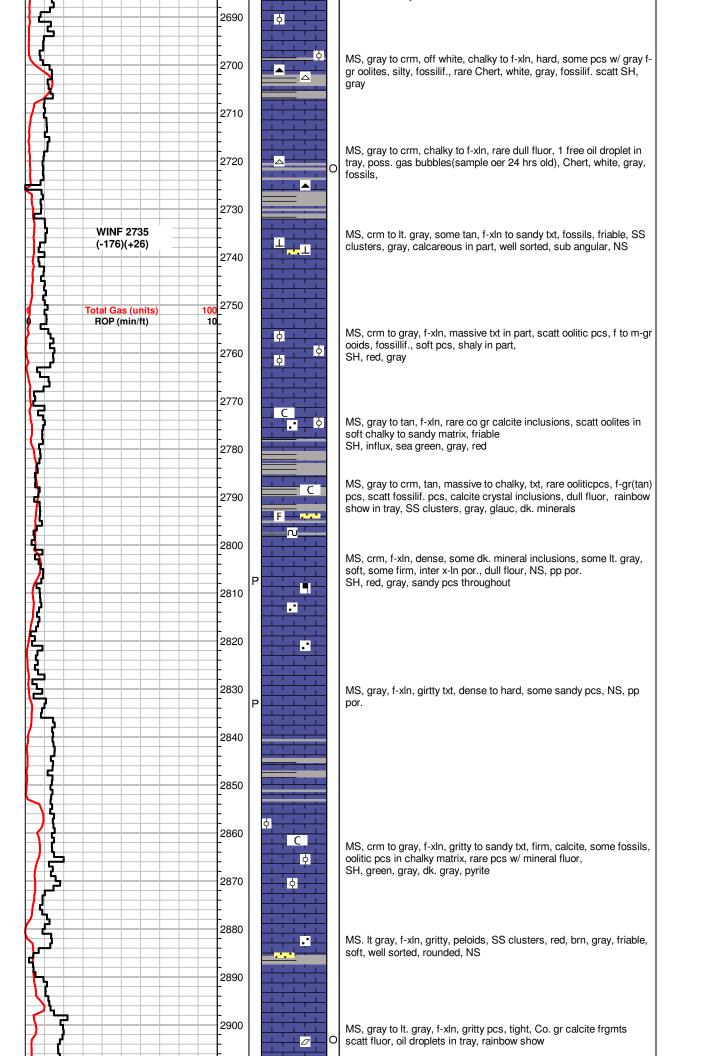
INTERVALS

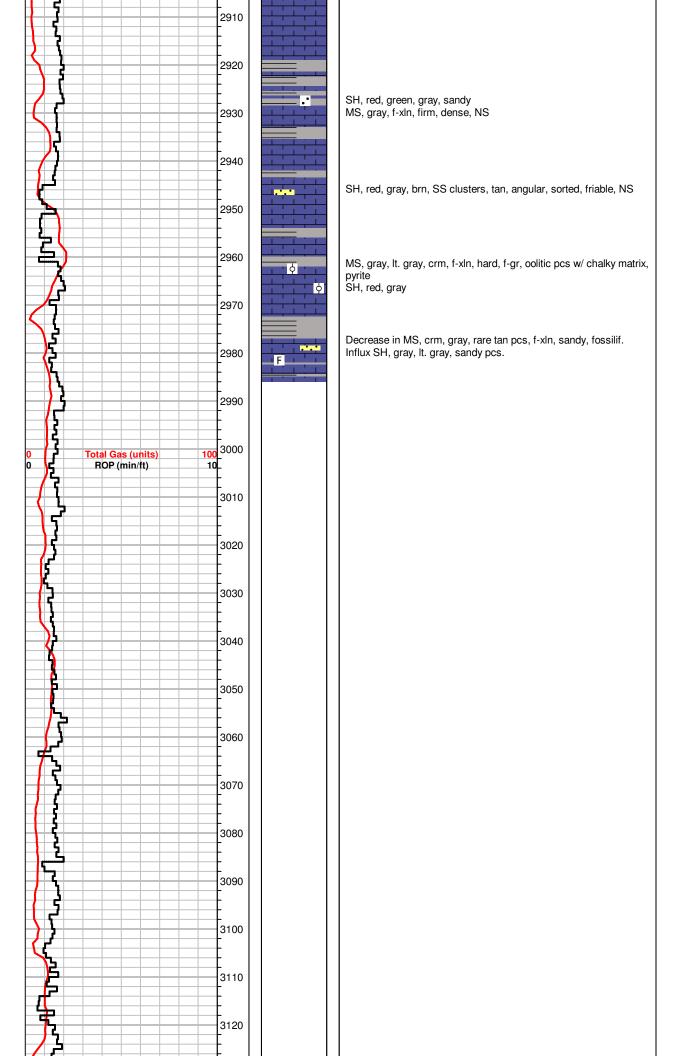
Core

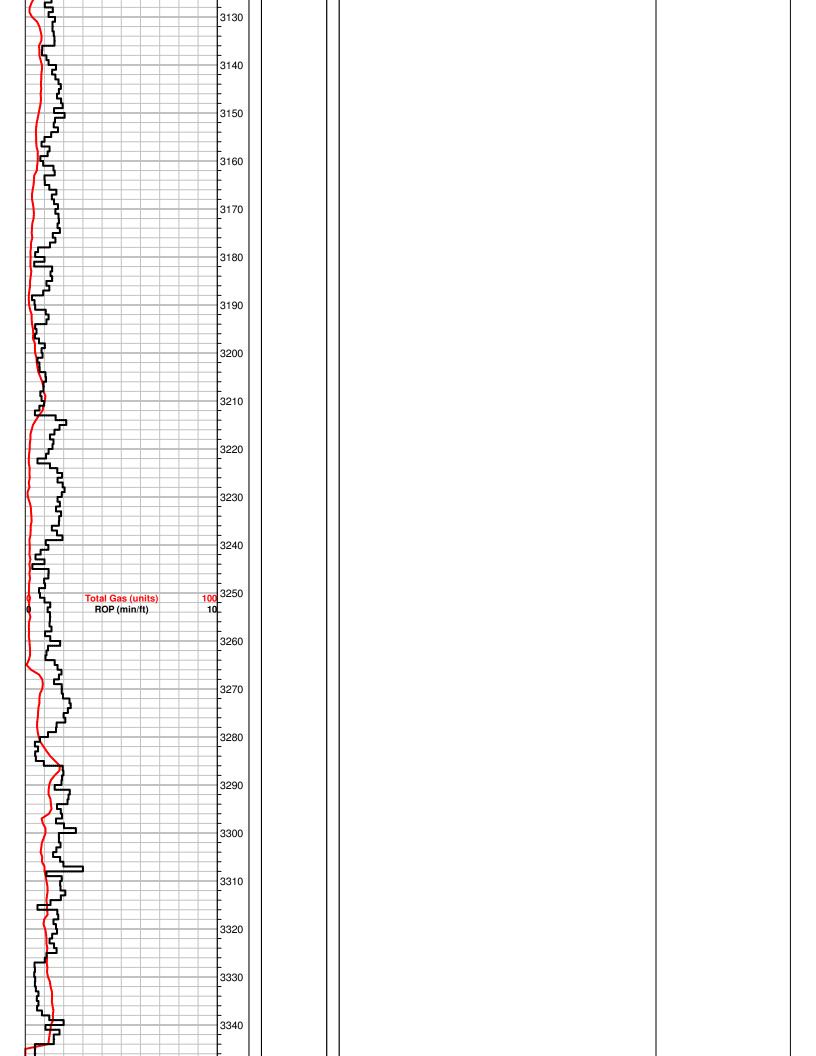
· DST

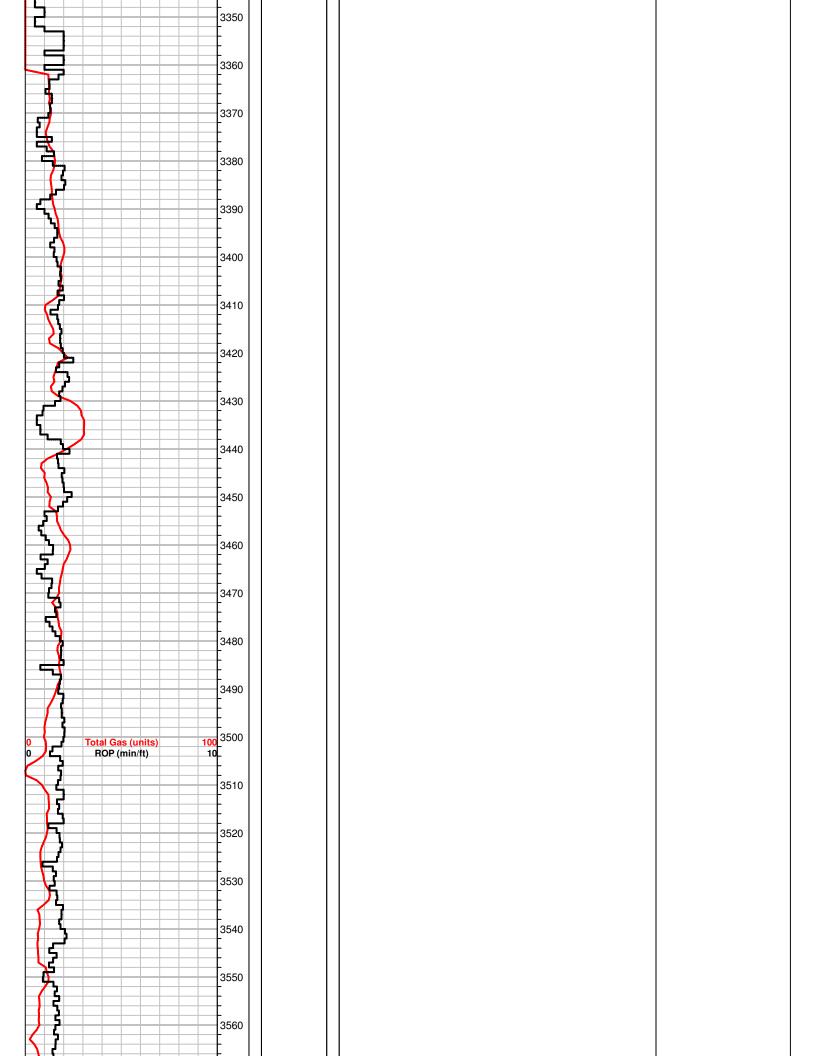
			Printed by GEOstrip VC Striplog v	ersion 4.0.7.0 (www.grsi.ca)
Curve Track #01 Total Gas (units)	_ Abo			
ROP (min/ft)	Cored Interval Dopth Intervals DST Interval Porosity Types Interpreted Lithology	Oil Shows	Geological Descriptions	Comment
0 Total Gas (units) 0 ROP (min/ft)	100 2450 10 10 2460			

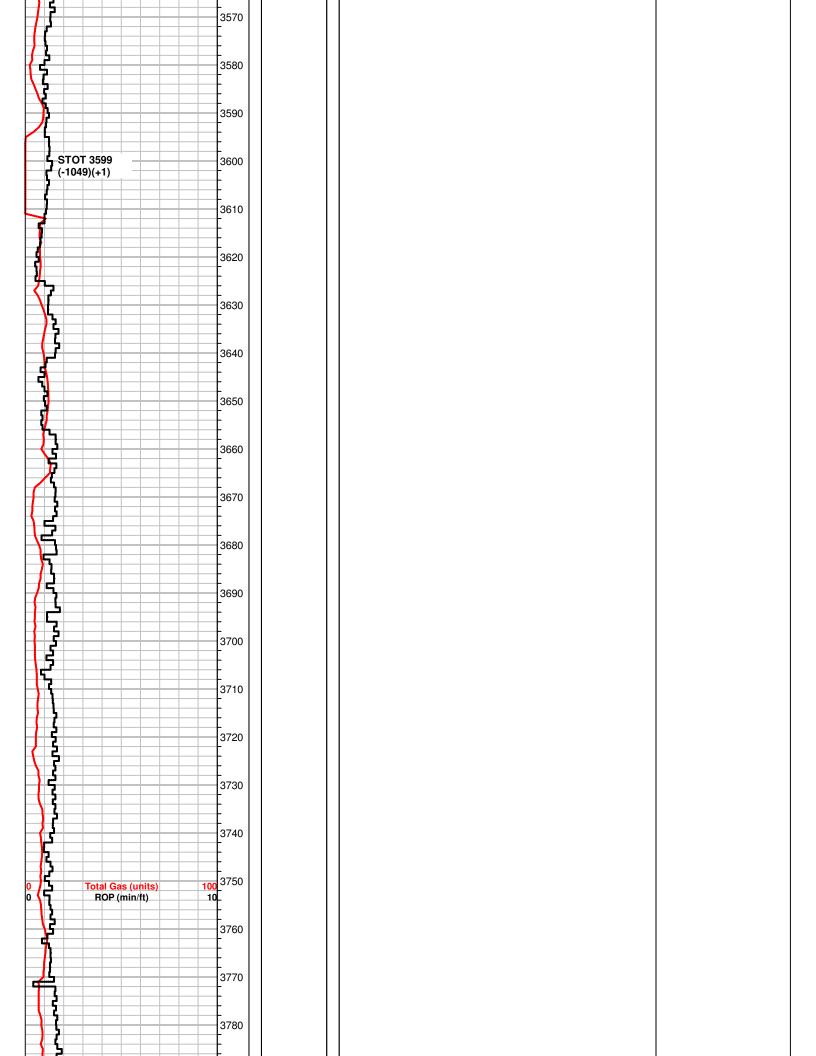


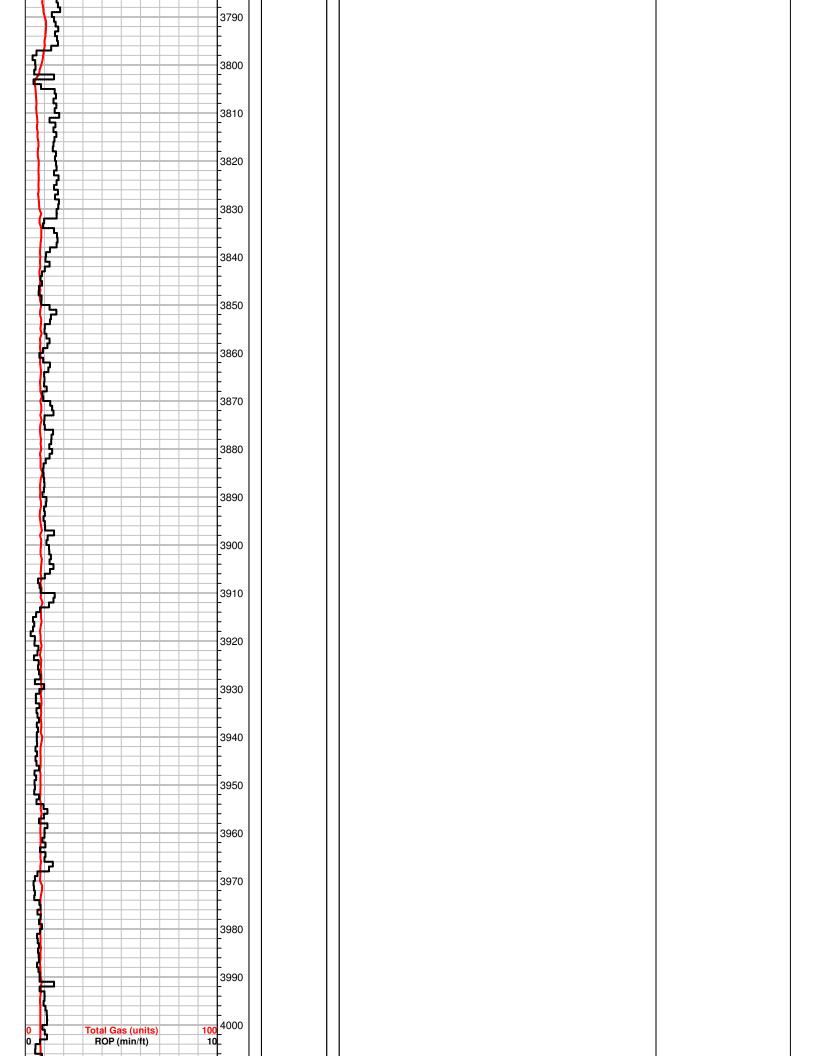


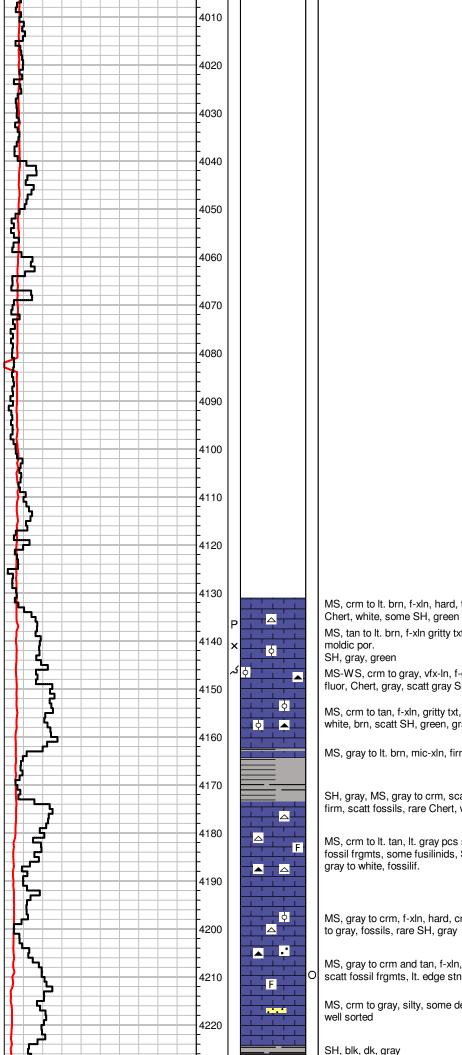












MS, crm to lt. brn, f-xln, hard, fossilif, some sandy pcs, pp por.

MS, tan to lt. brn, f-xln gritty txt, hard, dull fluor, NS, pp, int-xln,

MS-WS, crm to gray, vfx-In, f-gr oolitic, fusilinids, scatt mineral fluor, Chert, gray, scatt gray SH

MS, crm to tan, f-xln, gritty txt, micro oolitic pcs, fossilif., Chert, white, brn, scatt SH, green, gray

MS, gray to lt. brn, mic-xln, firm, friable gritty pcs, fossilif, NS

SH, gray, MS, gray to crm, scatt off white, soft, chalky to sandy txt, firm, scatt fossils, rare Chert, white, gray, fossilif.

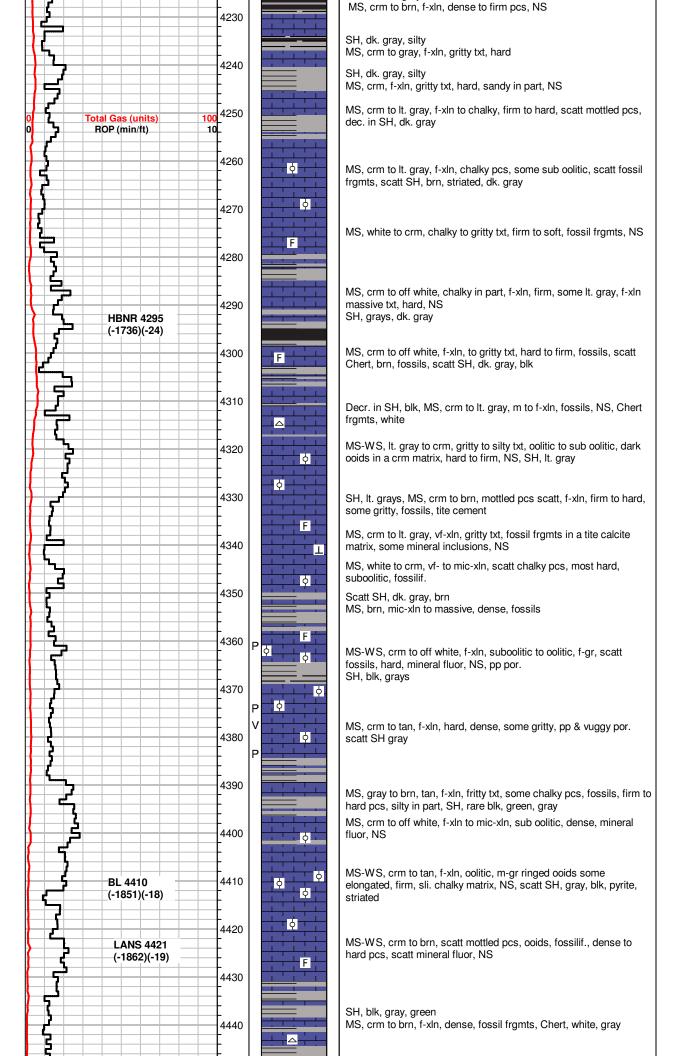
MS, crm to lt. tan, lt. gray pcs scatt, f-xln, sandy pcs, hard, scatt fossil frgmts, some fusilinids, SH, grays, some silty, rare Chert,

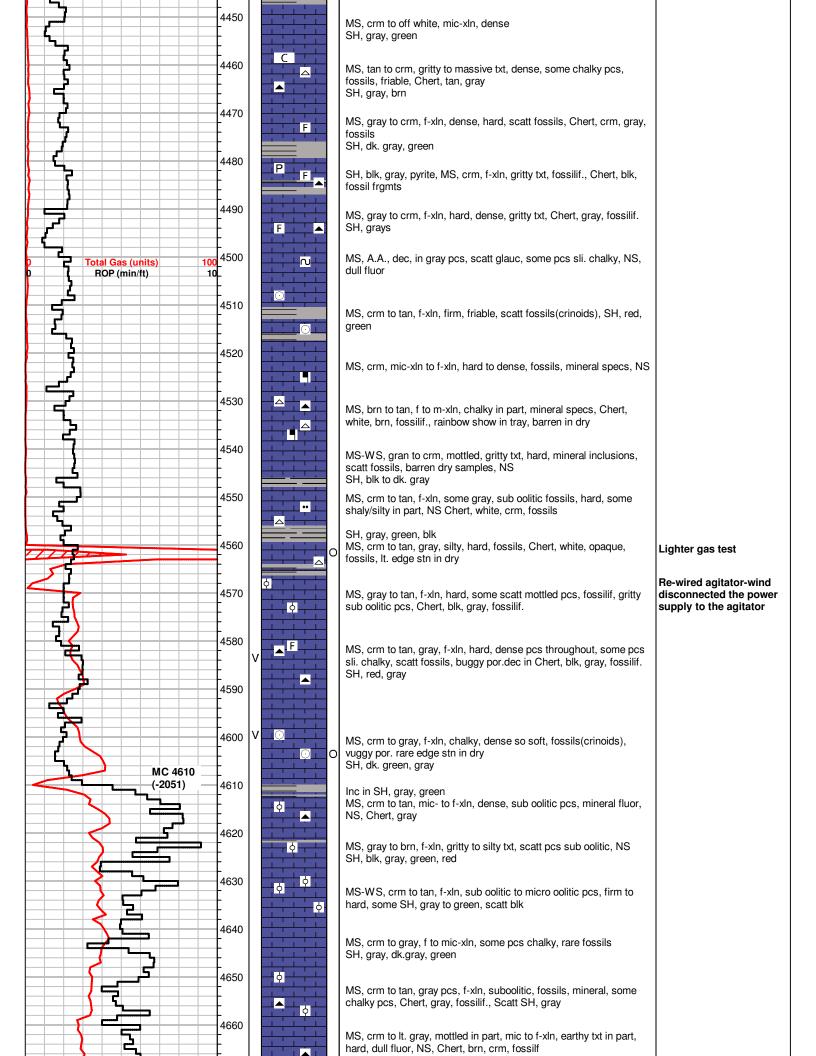
MS, gray to crm, f-xln, hard, crm pcs sandy/silty, soft, Chert, white

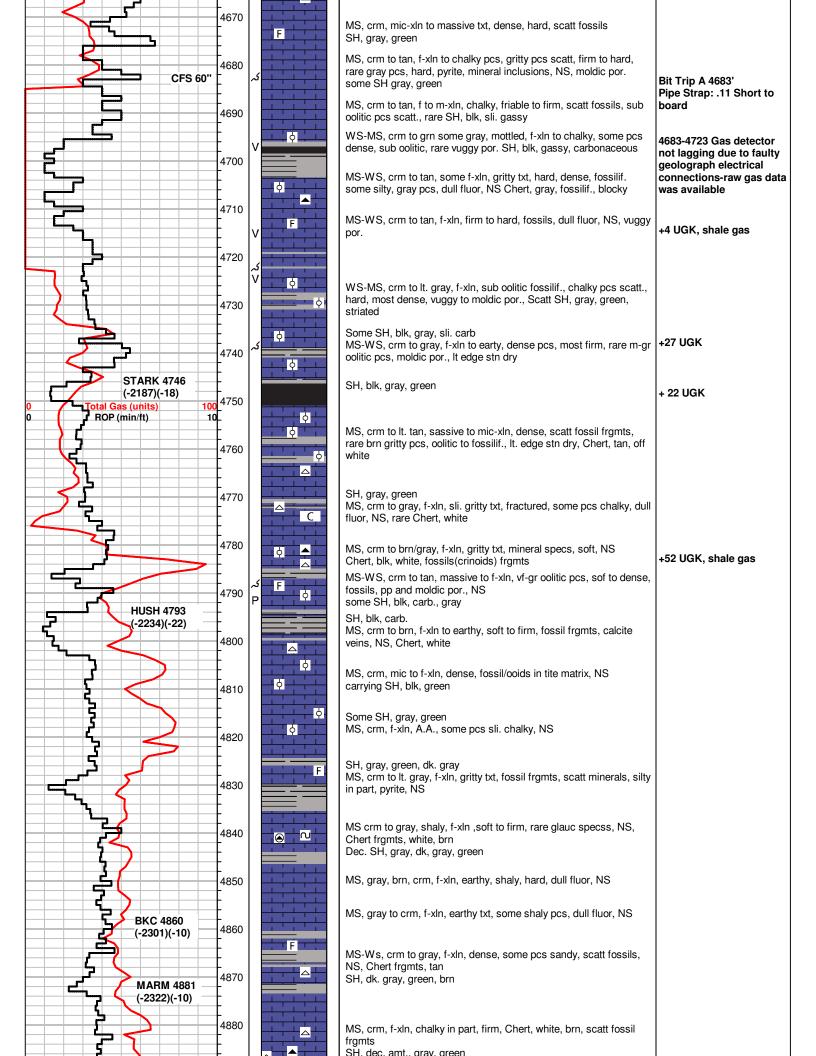
MS, gray to crm and tan, f-xln, gritty silty txt, some pcs tite, dense, scatt fossil frgmts, lt. edge stn in dry, Inc, in SH, grays, green

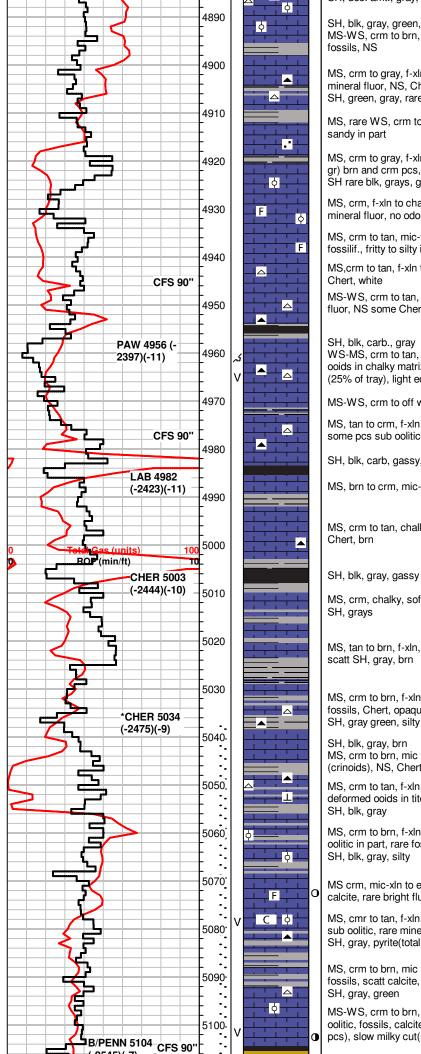
MS, crm to gray, silty, some dense, scatt fossils, SS clusters, tite,

GEOLOGIST ON LOCATION @ 8:45 AM-4190' 6/26/2016









SH, blk, gray, green, rare sandy pcs MS-WS, crm to brn, f-xln, scatt oolitic/sub oolitic pcs, hard, scatt

MS, crm to gray, f-xln and dense to gritty and firm, chalky pcs, mineral fluor, NS, Chert, brn, tan, fossils SH, green, gray, rare blk

MS, rare WS, crm to brn, f-xln, hard/dense, fossils, NS, SH, grays,

MS, crm to gray, f-xln, sandy in part, hard to dense, some oolitic(mgr) brn and crm pcs, some fossilif., firm to friable SH rare blk, grays, greenish in part

MS, crm, f-xln to chalky, firm to friable, fossils/oolitic(f to m-gr), mineral fluor, no odor, no stn, no cut

MS, crm to tan, mic-f-xln pcs, some chalky, scatt dense, most firm, fossilif., fritty to silty in part, NS

MS.crm to tan, f-xln to chalky, fossilif./oolitic, mineral fluor, NS, rare

MS-WS, crm to tan, f-xln, dense, sub oolitic, scatt fossils, mineral fluor, NS some Chert, white, gray, fossils, scatt SH gray

SH, blk, carb., gray

WS-MS, crm to tan, f-xln to chalky txt, oolitic to sub oolitic(m-gr ooids in chalky matrix), sandy pcs, tite, no odor, spotty bright flour (25% of tray), light edge stn in dry, no cut, Chert, blk, white

MS-WS, crm to off white, m-gr oolitic, chalky txt,

MS, tan to crm, f-xln, firm to hard, some pcs dense, gritty txt in part, some pcs sub oolitic, Chert, white, blk

SH, blk, carb, gassy, dk. gray

MS, brn to crm, mic-xln to f-xln, soft to firm, dense looking, NS

MS, crm to tan, chalky to f-xln, some mic-xln, firm to dense, NS

SH, blk, gray, gassy

MS, crm, chalky, soft, f-xln, firm, NS

MS, tan to brn, f-xln, hard, dense, some mineral specs, Chert, brn, scatt SH, gray, brn

MS, crm to brn, f-xln, mic-xln, dense looking, firm to hard, scatt fossils, Chert, opaque,

SH, blk, gray, brn

MS, crm to brn, mic to f-xln, dense to hard, scatt fossil frgmts (crinoids), NS, Chert, brn, white

MS, crm to tan, f-xln, soft to friable pcs, some oolitic, m-gr, deformed ooids in tite calcite matrix,

MS, crm to brn, f-xln to sli. chalky/shaly, firm to hard pcs, sub oolitic in part, rare fossils SH, blk, gray, silty

MS crm, mic-xln to earthy pcs, chalky to dense, hard, fossils, some calcite, rare bright fluor, lt. stn in dry(1 pc)

MS, cmr to tan, f-xln, some dense pcs, chalky pcs scatt, fossils, sub oolitic, rare mineral fluor, Chert, brn SH, gray, pyrite(total replacement)

MS, crm to brn, mic to f-xln, dense, firm to hard pcs, rare chalky, fossils, scatt calcite, Chert, white, fossils, SH, gray, green

MS-WS, crm to brn, scatt off white, f-xln to chalky pcs, rare sub oolitic, fossils, calcite, few pcs w/ spotty bright fluor, spotty stn(10 pcs), slow milky cut(5 pcs), spotty stn in dry, no odor in bag

DST #1 5037-5150 **STRADDLE** 30-60-60-90 WB BLT TO 1" NBB NB **NBB** REC: 10' SGCM (5%G, 95%M) IH 2462# IF 68-75# ISIP 119# FF 73-75# FSIP 95# FH 2387# **TEMP 124*F**

