Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1230994

Form ACO-1 August 2013 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. 15
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: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) 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:
	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Plug Back Conv. to GSW Conv. to Producer	
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Onevertex Name
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East _ West
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									
Geologist Report Received									
UIC Distribution									
ALT I II III Approved by: Date:									

	Page Two	1230994
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS. Show important tang of formations papatrated	Datail all cares Report a	Il final conjos of drill stoms tosts giving interval tostod, time tool

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets)		Yes No		0	on (Top), Depth a		Sample	
Samples Sent to Geolog	Samples Sent to Geological Survey		Nam	e		Тор	Datum	
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING Report all strings set-c	RECORD Ne		ion, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD				
Burpaga	Depth							

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD Plug Off Zone				

No

No No

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

(If No, fill out Page Three of the ACO-1)

Shots Per Foot				D - Bridge Plugs Set/Type ach Interval Perforated			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
TUBING RECORD: Size: Set At			Set At:	t: Packer At:			Liner R		No	
Date of First, Resumed Production, SWD or ENHR.			٦.	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
				METHOD OF COMPLET						
DISPOSITION OF GAS:				Dpen Hole Dther <i>(Specify)</i>	Perf.	_	Comp.	Commingled (Submit ACO-4)		

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	Graham 1-30X
Doc ID	1230994

All Electric Logs Run

Compact Photo Density Comp. Neutron Microresistivity Log
Comp. Sonic w/Integrated Transit Time Log
Array Induction Shallow Focused Electric Log
Comp. Neutron Sonic Porosity Overlay
Microresistivity Log

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	Graham 1-30X
Doc ID	1230994

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	17.50	13.3750	48	647	A-Con Blend	255	3% CC

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asing size			Tubing Size	DP	DP Shots/Ft		Lead 630 5x @19#				
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Vell Connec	ell Connection Annulus Vol. ug Depth Packer Depth		Annulus Vol.		From		То		1		
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UUUCO Customer Representative

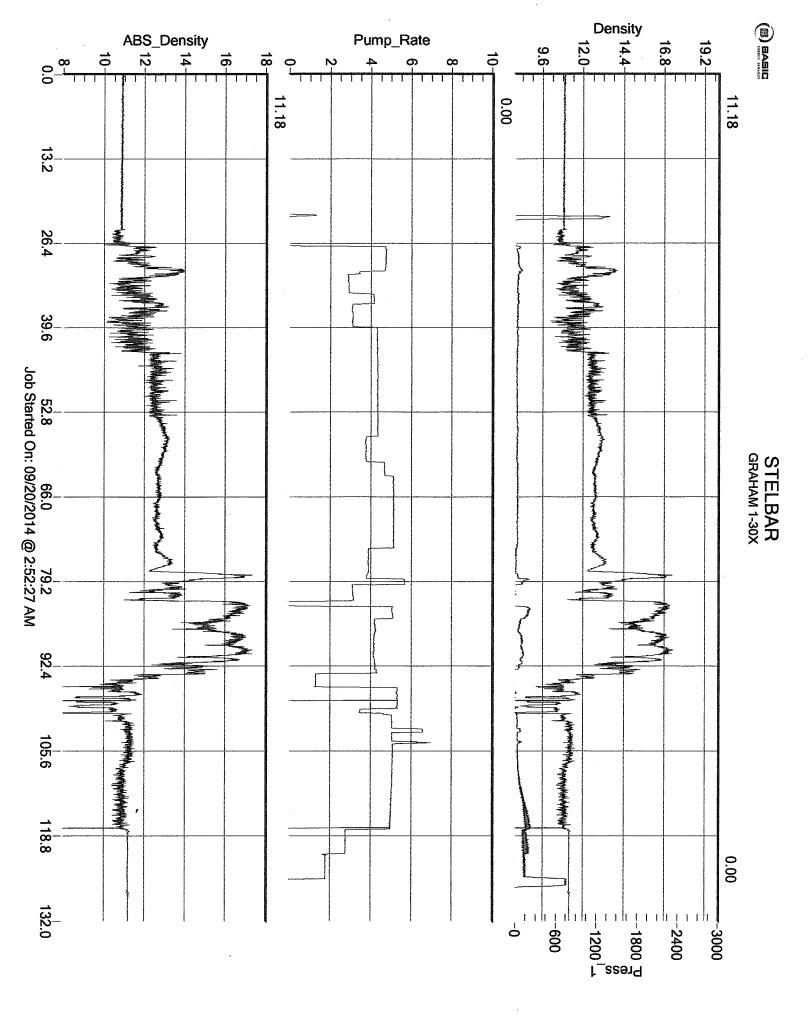
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Taylor Printing, Inc.

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ſ	Customer		SERVICE I, Kansas		Lease No.		Date	Cement Report			
h	Lease	ahemi		·····	Well #/	3nx	Service Receip	7/20/14			
ł	Casing , 2	3/4	Depth 66	5	County & Tom		State /				
ŀ	Job Type 🧹	y y Cac	•	Formation	mation Lega		scription				
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h	Volume 01 5		7	Depth		From To		Q11,4/#			
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1	Max Press	lor V		Max Press Annulus Vol.		From	То	Tail in 200 5× Pt.			
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1700 S. Country Estates Rd. Liberal, Kansas 67905 Phone 620-624-2277

FIELD SERVICE TICKET 1717 04846 A

	DATE TICKET NO					
DATE OF 09-22-14 DISTRICT / 117 Piberelis						
CUSTOMER STELBAR	LEASE GRAHAM 1-30 X WELL NO.					
ADDRESS	COUNTY Stanton STATE KS					
CITY STATE	SERVICE CREW Rogen - Eddie - Ricky					
AUTHORIZED BY Severy Berlort	JOB TYPE: Z42 ST8" Inter mediate					
EQUIPMENT# HAS EQUIPMENT# HRS EQU	IPMENT# HRS TRUCK CALLED 09-21 - TIME 2005					
N 27427-6-	ARRIVED AT JOB 09-2219 AD OUR					
119354-19578-6	START OPERATION 39-22-14 POS 30					
	FINISH OPERATION 09-2214 POGOS					
	RELEASED 09-22-/() 4 30					
	MILES FROM STATION TO WELL 100					

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:	2000		
WELL OWNER	OPEBATOR	CONTRACTOR OR	AGENT
(0		AGENT

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	T
CL110	Proming Plus Cornent	sk	200		3260	50
CC109	Calejum Chlonide	lb	376			80
CC102	<u>Lefloflake</u>	ll-	51			70
CF253 /	Build & Shoe - Regular - 85/8"	er	1			00
CF1453 V	Flappen type Insent Float VALVE 857811	ep	1		280	
CF 4405	Economizer Hanged, Helded Standard -	-ea-	-4			Ī
644556	-Comment Basket, CANUMS 85/9"	- CA	1			
CF105	Top Ruppen Comont Pluty, 85/8"	eA	1		225	w
E101	HOAVY Equipment Milenge	mi	200		1400	00
CE240 E 113 CE202	Blending And Miging Service Changes	sk	200			00
E113	Proppant and Bulk Definery Changes	LUM,	940		2068	
<u>CE202</u>	Detth Change - 1001-2000'	4 Has	1		1500	
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CE504	Plug Utilization Change	iob	1		2500	00
E100	Unit Milenge Change - Pilkinp	mj	100		425	
5003	Service Supervisor, First & Has Dr. buntion	eA	1		175	
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CHEMICAL / ACID DATA:						
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ENERGY

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SERVICES

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SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$	······································	

TOTAL

SERVICE GER BRUNN REPRESENTATIVE

FIELD SERVICE ORDER NO.

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY

(WELL OWNER OPERATOR CONTRAC IOH OH AGENT)

Customer A	11 11	service al, Kansas		Lease No. /	Aurola		Data	Cement Report			
1	Aelbon	L		l l	Lease No. 6/NANAM			Date 09-22-14 Service Receipt 04/44			
Casing (raham	Depth//	101	/				14 04846A			
· ^ ~	781	1 100	Formation	51	Pator 1	onal Depariatio	State KS				
Job Type G	38 JW	ter-			Legal Description						
Casing size	1.0%	Pipe I	Data Tubing Size	Perforating Da				Cement Data			
Depth	83/5		Depth		From To		Ft To	Lead			
Volume			Volume		From	****	То				
Max Press			Max Press		From		То				
Well Connec	tion		Max Press Annulus Vol.		From		То	Tail in 2005/5 2% CALL < I/y H Goly F/A/Le			
Plug Depth		Packer Depth		From		To	- In H R. Cl. I.				
-		rauner Depin			·····		19" OUI TALL				
Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate			Service	Log			
2000						09-2	1-14				
0010						09-27	2-19				
0070						Safety	Mectin	9			
0025						Set nb	/				
0430						Haskyp 1	Plug Cont.	Arora Madifolde Loons			
0440						Safety Jo	Recting wind	Riglause Basic			
54/50						Test lines	1500p	251			
0500						Pump Way	terahead				
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<u>JCMAY/ZÜNNET</u> Station Manager

Cementer

Taylor Printing, Inc.



1700 S. Country Estates Rd. Liberal, Kansas 67905 Phone 620-624-2277

FIELD SERVICE TICKET 1717 06046 A

	lbar		LEASE Graham WELL NO.					
ADDRESS	COUNTY _	Ks						
CITY	STATE		SERVICE CR	IEW R	Uben-Ed-M-	Victo		
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FIELD SERVICE ORDER NO.

Customer		, Kansas		Lease No.		Date	Date 9-28-14							
Lease /	2701091	<u> </u>		Well # -	30 ~	Service Rec	ervice Receipt							
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Job Type 🤈	422	+ 1	Formation		Legal D	escription								
<i>L</i>	<u>[a]</u>	Pipe [)ata		Perfo	orating Data	Cement Data							
Casing size Tubing Size						hots/Ft	Lead 170 SR @ 13,5 11,							
Depth	<u></u>		Depth		From	То	44.704a/Gc/							
Volume			Volume		From	То	60/40 Poz							
Max Press			Max Press		From	То	60/40 802 Tail in							
Well Connec	tion		Annulus Vol.		From	То								
Plug Depth			Packer Depth		From	Το								
Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate		Serv	vice Log							
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0516	100		20	9	Pump Disp	algeement								
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Driver Nam			Ed-M	V. cto										

Evaldo Customer Representative

<u>Jerry Benne</u> Station Mahager

Ruben Mar Cementer Taylor Printing, Inc.



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

Well Name: **GRAHAM #1-30 X** Section 30 - Township 29 South - Range 41 West Location: Licence Number: 15-187-21,298 -00-00 Region: Stanton County, KS. Spud Date: 15 September 2014 Drilling Completed: 27 September 2014 Surface Coordinates: 1.520' FNL & 2.300' FEL (Approximately NE NW SW NE) **Bottom Hole**

Coordinates: Ground Elevation (ft): 3,414' Logged Interval (ft): 3.800'

To: 5,640' Total Depth (ft): 5,640' Formation: Morrow Shale -----> Mississippi

Type of Drilling Fluid: Chemical Low Solids Non-dispersed (Vertical) Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

K.B. Elevation (ft): 3,425'

OPERATOR

Company: STELBAR OIL CORPORATION, INC. Address: 1625 North Waterford Parkway, #200 Wichita, Kansas 67206-6602 (316) 264-8378

POC: Kent Scribner

GEOLOGIST

Name: Curtis E. Covey **Company: COVEY - The Well Watchers** Address: 6548 Bedford Circle Derby, Kansas 67037 Office: (316) 776 - 0367

Cell: (316) 217-4679

KB: 3,425'

RTD: 5,640'

FORMATION TOPS

Formation Rotary Sample Depth (Datum) E-log Depth (Datum) Heebner Shale 3,596' (-171') 3,596' (-171') Lansing Group 3.707' (-282') 3,708' (-283') Marmaton 4,253' (-828') 4,251' (-826') Cherokee Shale 4,437' (-1,012') 4,437' (-1,012') Atoka 4,873' (-1,448') 4,874' (-1,449') Morrow Shale 4.970' (-1,545') 4,970' (-1,545') 5,277' (-1,852') 5,278' (-1,853') Lower Morrow Marker Keyes Sandstone 5,400' (-1,975') 5,403' (-1,978') Mississippi - Chester 5,416' (-1,991') 5,416' (-1,991')

Mississippi - Ste. Genevieve Mississippi - St. Louis

ATD: 5,642'

LTD: 5,641'

Float:

E-log is 0' - 2' low - 0' - 1' high to rotary sample depth.

5,456' (-2,031')

5,550' (-2,125')

E-Loggers: Weatherford -- Liberal, Kansas

5,442' (-2,017')

5,552' (-2,127')

GL: 3,414'

2014		DAILY DRILLING - SEPTEMBER Graham #1 - 30	2014
8 Sept 9 10 11	 12-1/4" Hole (Vertical) Spud @ 1:30am. 7am @ 591'. Drilled to 1,285'. Lost Circ @ 1,285' (250 Bbls). On bank mixing mud @ 1,285'. Mix up 400 Bbl (22# LCM). TIH to 1,200'. Pump 400 Bbls in hole/100 Bbls on backside. Mix up 400 Bbls (28 # LCM). Cement plug @ 1,210'. 300 sks Thixatropic (+ misc). [Basic Energies] Pump 400 Bbls (28# LCM) from top. TIH reportedly hit bridge @ 1,052'. Wait on cementers. TIH/OE. TO. TIH w/Bit. Refigured bit depth - 1,285'. TO. 	 12-1/4" Hole (Vertical) 12 Sept TIH/OE. P/U to 1,210'. Cement. WOC (24 hrs). TIH/OE. Cement done by 6pm. WOC. TIH & pumped 250 Bbls water. No returns. TO. 13 Set 100 sx plug @ 1,019'. WOC. Mix 400 Bbls (30#LCM/ Vis: 70). 100 sk cement @ 670'. Add 330 Bbls pill @ 640'. Mud to cellar/No circ. TI to 670' and cemented 50 sk Class C. WOC. TIH / no hard cement to 700'. 100 sk Class C @ 670'. WOC. TIH / hard cement @ 708'. 	PLUG HOLE 1st Plug @ 670' - 100 sk + 2nd Plug @ 240' - 100 sk + top plug - 60 sk. Total 260 sk 60/40 POZ (4% Gel). P/D @ 10:15am on 14 Sept 2014. Rathole (30 sk). Mouse hole (20 sk). [Basic Energy Services]
2014	nengured bit deptin - 1,205 . 10.	15 Sept Skidded off Graham # DAILY DRILLING - SEPTEMBER Graham #1 - 30 X	1-30 50' North to Graham #1-30 X. 2014

15 Sept		Skidded off	Graham #1-30		50	North to	Graham #1-30 X.
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15 Cont	17-1/2" Hole (Vertical)		ole (Pilot Hole) to "Hole (Ream)	7-7/8" Hole (Vertical)
15 Sept 16	Spud @ 7pm 7am @ 664'. Surveys (1-1/4 to 7 degrees). Cement 664'> 334' with Class H (630 sx) with 15% excess.	7am @ 9 Lost full	23 Sept urface casing @ 5am. 997'. 24 returns @ 1,155', 50% 25 at 1,330, drilled to	 Under surface casing @ 4am. 7am @ 2,026'. 7am @ 3,492'. 7am @ 4,540'. Resurveyed: GL - 3,414',
17	WOC.	1,672' \	vtih 95% returns.	DF - 3,421', KB - 3,425'.
18	 Redrill surface hole with 12-1/4". Cement @ 172'. Open hole 190' 270'. 7am @ 353'. Drill to 664'. Surveys (1/2> 1-1/4 degrees). 	22 Run 8-5/8 1,667' w [Basic Plug do	e lost circ 1,289'-1,450'.) 26 '' (24#) casing. Set @ vith 200 sx Prem Plus. c Energy Services] wn @ 6am. WOC. 1,672'. WOC.	7am @ 5,398'. Lost Circ after CFS @ 5,410'. Pulled up 10 stands. Mixed Mud (16# LCM). Regained Circ.
19	 Start reaming 12-1/4" pilot hole to 17-1/2" at 5:30am. Drilled to 682'. Ran 13-3/8" @ 647' (Bottom 3 jts strapped). 155 sx A-Con Blend (etc) + 200 sx Prem Plus. 	rain @ 1	,072. woo. 27	300 Bbls Total Lost. Resumed Drilling @ 8:32pm. 7am @ 5,627'. RTD (5,640') @ 8am. E-LOG. [Weatherford]
20	Plug down @ 5:15am. [Basic Energy Servies]			

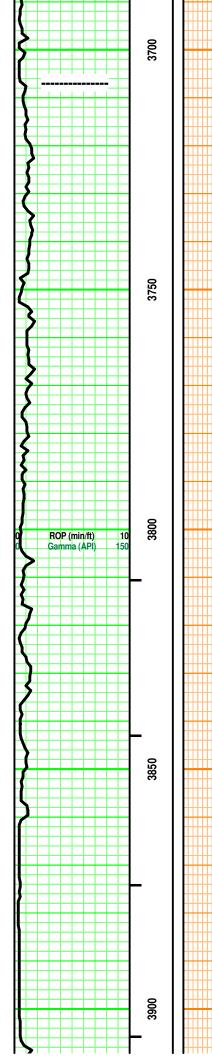
	Hole Deviation (3	GF	AHAM #1	- 30X									
17-1/2" Initial Surfa	17-1/2" Initial Surface Hole												
DEPTH / TVD	INCLINATION	AZIMUTH	NORTH	SOUTH	EAST	WEST	DOGLEG deg/100'						
370' / - 424' / - 549' / - 664' / -	1.25 1.50 3.00 5.00 7.00 (Wiper Trip) 7.00 (Second Survey) cemented.												
12-1/4" Surface Hol	le (Pilot Hole after initial surface hol	e.)											
192' / - 282' / - 343' / - 402' / - 462' / - 524' / - 586' / -	0.50 1.00 0.75 1.00 1.25 0.75 1.25 1.25 with 17-1/2" Bit.												
7-7/8" Vetical Hole													

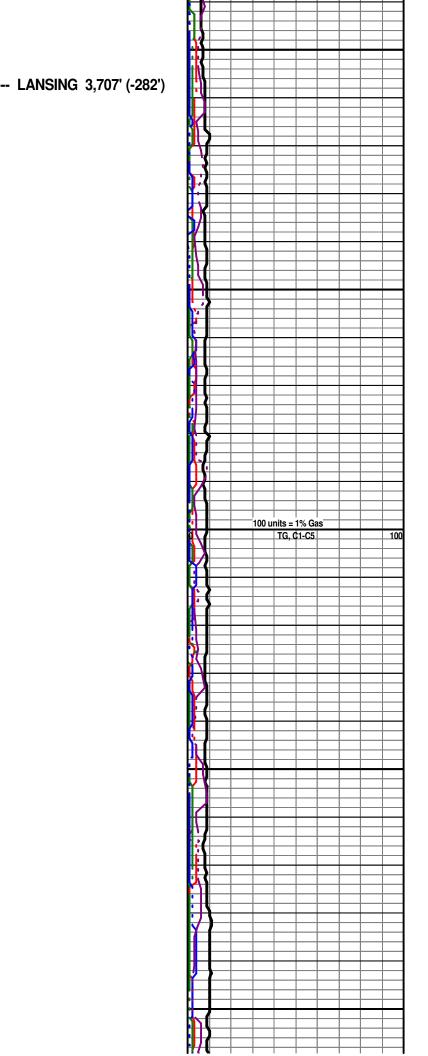
5,640' / --- 1.25 (RTD)

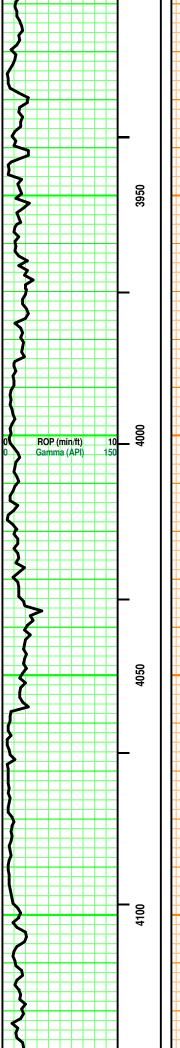
		Bľ	T RECORD	GRAHAM #1-3	GRAHAM # 1 - 30 X					
DATE	SIZE	TYPE	JET SIZE	DEPTH IN / OUT	CUM. FT.	HOURS	ROP (ft/hr)			
16 Sept 2014	17-1/2"	MD-1PGL	16 - 16 - 16 - 14	O' / 664'	664'	8.00	83.0			
PILOT HOLE o	on SURFACE	(Redrill)								
18 Sept 2014	12-1/4"	HAPC	15 - 15 - 15 - 15	O' / 682'	682'	26.00	26.2			
REAM PILOT H	IOLE									
19 Sept 2014	17-1/2"	RR	15 - 15 - 15 - 15	O' / 683'	683'	9.75	70.1			
SURFACE										
21 Sept 2014	12-1/4"	HA00TC	18 - 18 - 18	663' / 1,672'	1,009'	15.00	67.3			
VERTICAL										
23 Sept 2014 23 Sept 2014	7-7/8''' 7-7/8'''	HAIP Ulterra U616M (PDC)	15 - 15 - 15 18 - 18 - 18	1,672' / 1,733' 1,733' / 5,640'	61' 3,907'	1.00 66.00	61.0 59.2			

		ROCK TYPES		
POROSITY E Earthy □ Fenest F Fracture × Inter ✓ Moldic ○ Organic P Pinpoint ✓ Vuggy LITHOLOGY Anhy ■ Bent ■ □ ■ Cht □ Coal ● Granite wa ● Congl □ □ ■ □ ■ □ ● □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ ■ □ <tr< td=""><td>Calc dol Dol 2 Dol Gyp Igne Lmst 2 Lmst 2 Lmst 3 Shale 3 Shale</td><td>MINERAL□Mica□Anhy□Arggrn□Arg□Arg□Bent□Bit③Brecfrag□Calc■Calc■Calc■Chtlk□Chtlk□Feldspar●Feldspar●Ferrpel□Ferr□Glau▷Kaol□Marl</td><td>Image: Minxl Minxl Image: Minxl Nodule Image: Minxl Phos Image: Phos Pyr Image: Phos Pyr Image: Salt Salt Image: Strain and the salt Salt Image: Strain and the salt Calc dol Image: Strain and the salt Salt Image: Strain and the salt Calc dol Image: Strain and the salt Salt Image: Str</td><td>SHOW Oil</td></tr<>	Calc dol Dol 2 Dol Gyp Igne Lmst 2 Lmst 2 Lmst 3 Shale	MINERAL□Mica□Anhy□Arggrn□Arg□Arg□Bent□Bit③Brecfrag□Calc■Calc■Calc■Chtlk□Chtlk□Feldspar●Feldspar●Ferrpel□Ferr□Glau▷Kaol□Marl	Image: Minxl Minxl Image: Minxl Nodule Image: Minxl Phos Image: Phos Pyr Image: Phos Pyr Image: Salt Salt Image: Strain and the salt Salt Image: Strain and the salt Calc dol Image: Strain and the salt Salt Image: Strain and the salt Calc dol Image: Strain and the salt Salt Image: Str	SHOW Oil
		ACCESSORIES		
FOSSILImageImag	 Oolite Ostra Pelec Pellet Pisolite Plant Strom MINERAL MINERAL Arggrn Arggrn Arggrn Arg Bent Bit Brecfrag 	 ▲ Calc ▲ Carb ▲ Chtdk △ Chtlt △ Dol ↓ Feldspar ● Ferrpel ▲ Ferr △ Glau ℕ Gyp ■ Hvymin ₭ Kaol ↑ Marl ♥ Minxl ● Nodule ♥ Phos 	 Pyr Salt Sandy Silt Sil Sulphur Tuff Copper Ooliticastic Ooloid Oolite Sucrosic Dark specks STRINGER Calc dol	Silty dol Anhy Arg Bent Coal Dol Gyp Ls TT Mrst Calc dol Sitstrg Ssstrg Chalk New symbol
ACTIVITY		OTHER SYMBOLS amEVENT Connection Rft	Sidewall	

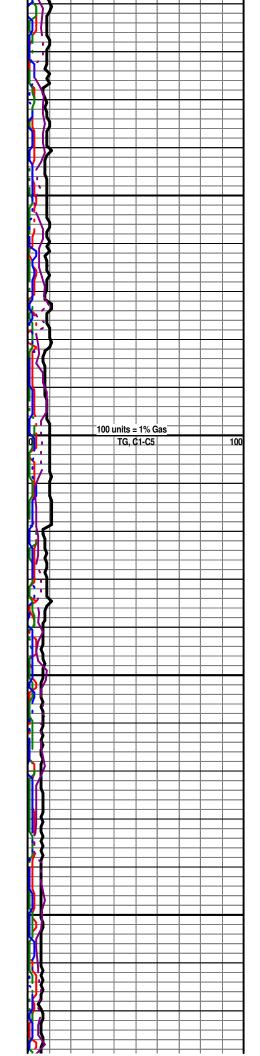
Curve Track 1 ROP (min/tt) Gamma (API) Depth	rosity Type	Porosity	Shows	Lithology	Geological Descriptions	rG (Units) C1 (units) C2 (units) C3 (units)	TG, (C1-C	5			-
	Poro	_24% _18% _12% 6%	Sh			C4 (units) C5 (units)						_
POP (min/tt) 10 Camma (API) 150 Comma (API) 150 Comma (API) 10 Comma (API) 10 Com					HEEBNER SHALE 3,596' (-171')	Sterling TookeDaq -used in the gases cont this well. this well. Daily Tota detection lighter. This ge availabl the gas product Non-repre rock sam does effe	ction Eq Daq pro Drilling gas dete e evaluat ained in ained in ained in atractor ample bo ampling. al Gas (equipm olog use e rotary curves 	vided Comp ection o the o was pox for box for Check cent b check chrilli to proc drilli to proc drilli to proc a dri ve dri s welle box for ccurace	net is by bany n equi f the drilllir coositi r mud con g y but tted o ng sa oduce lling t rilling cy of	ipmen hydro ng flu oned gase aane time, gase this time, g prace any g lecte	ocart iids c iin thes ag tin s and wor rotar trices geolo	500n- 5f

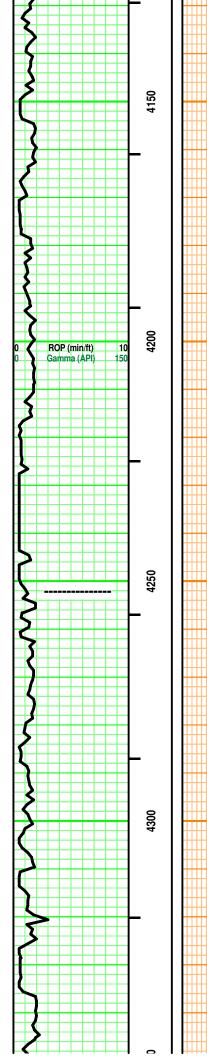


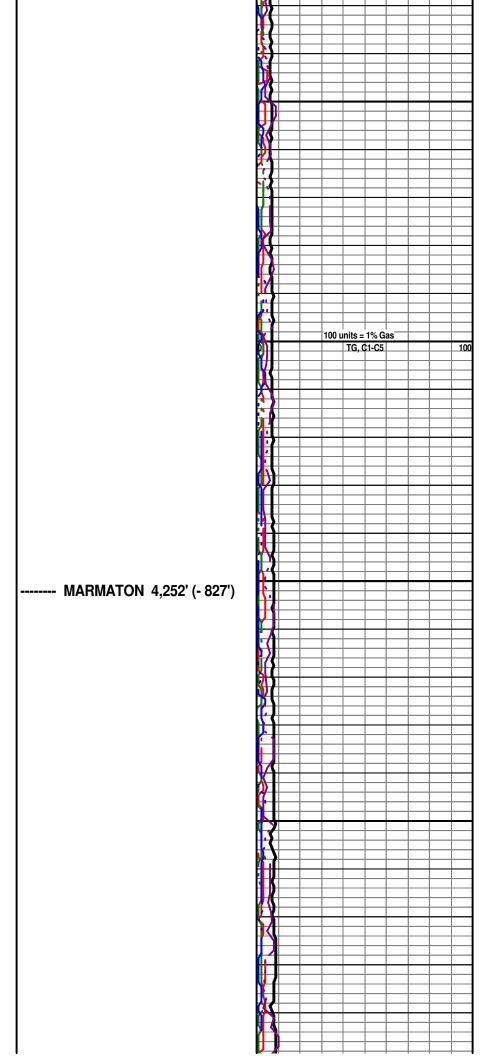


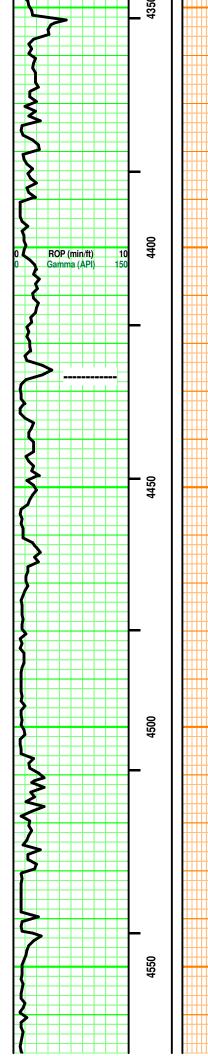


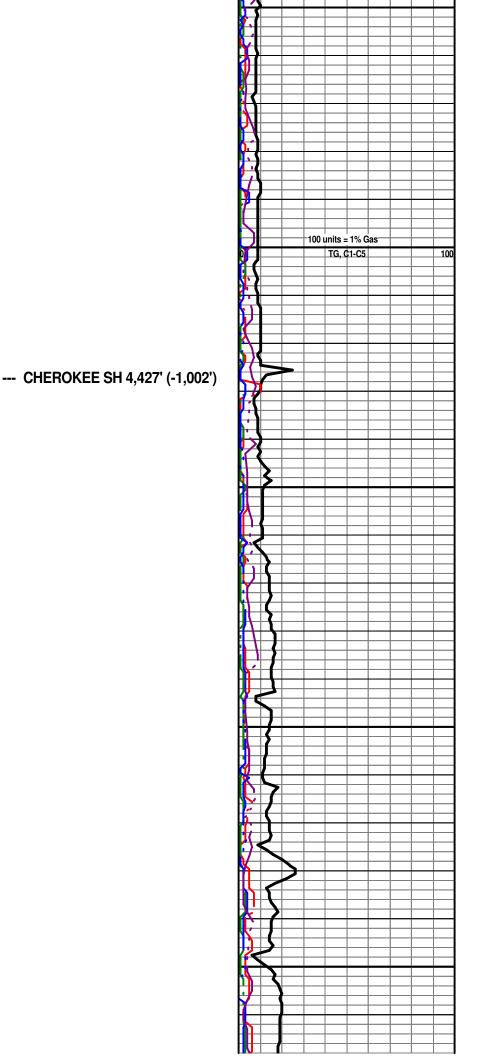


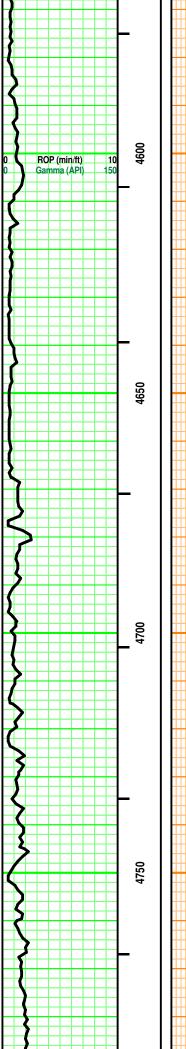




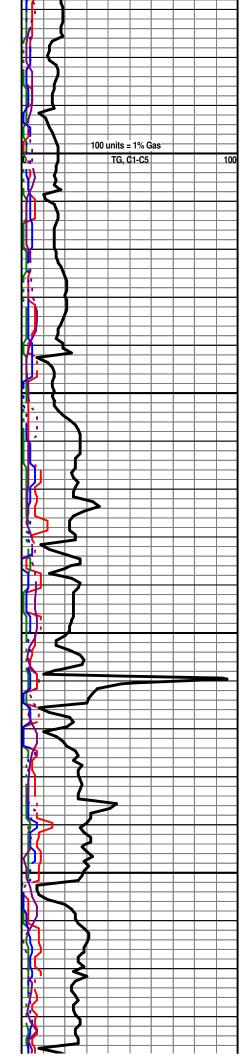


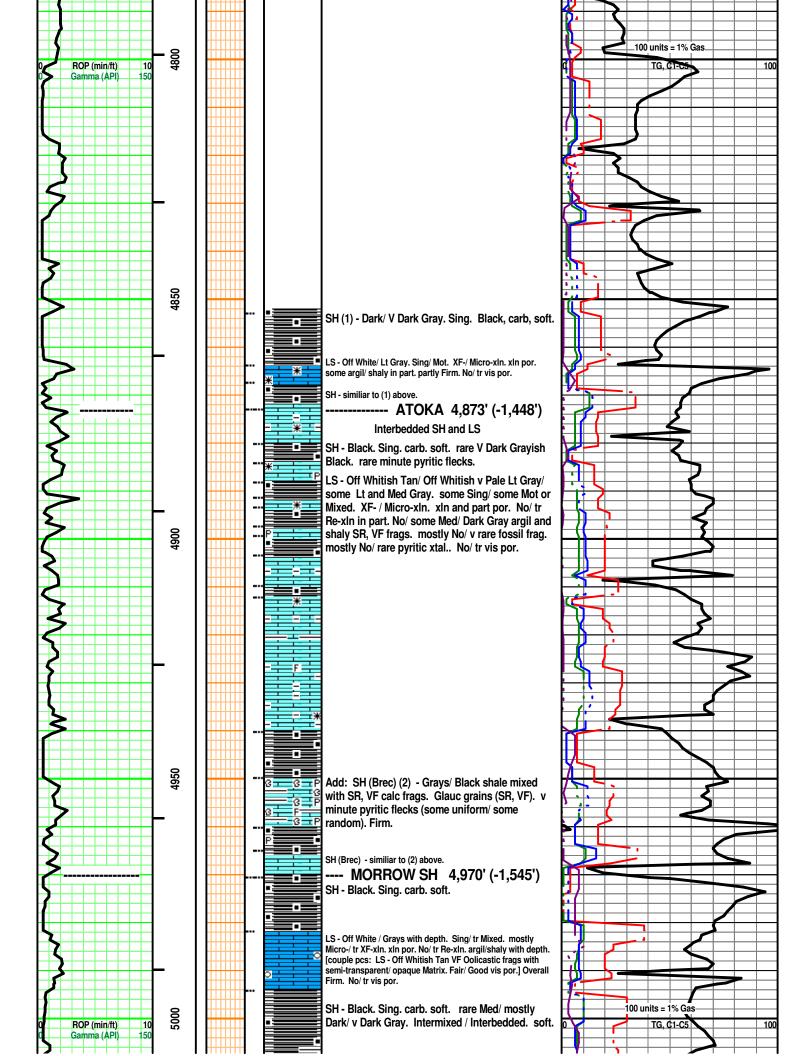


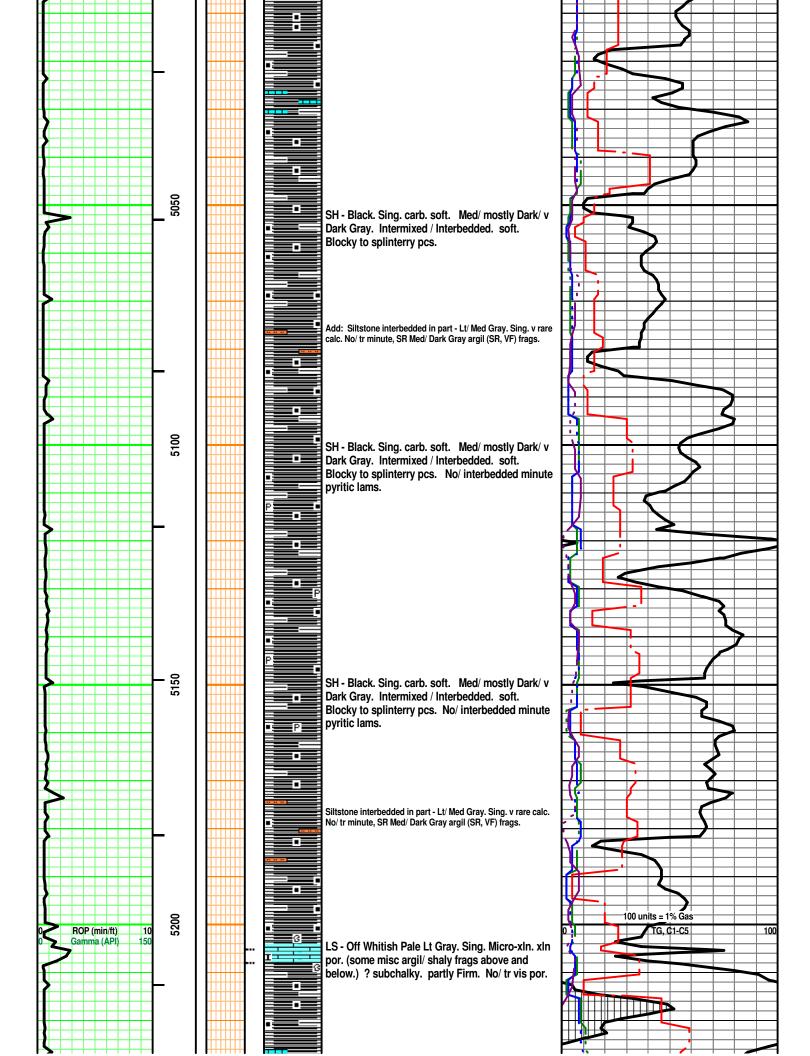


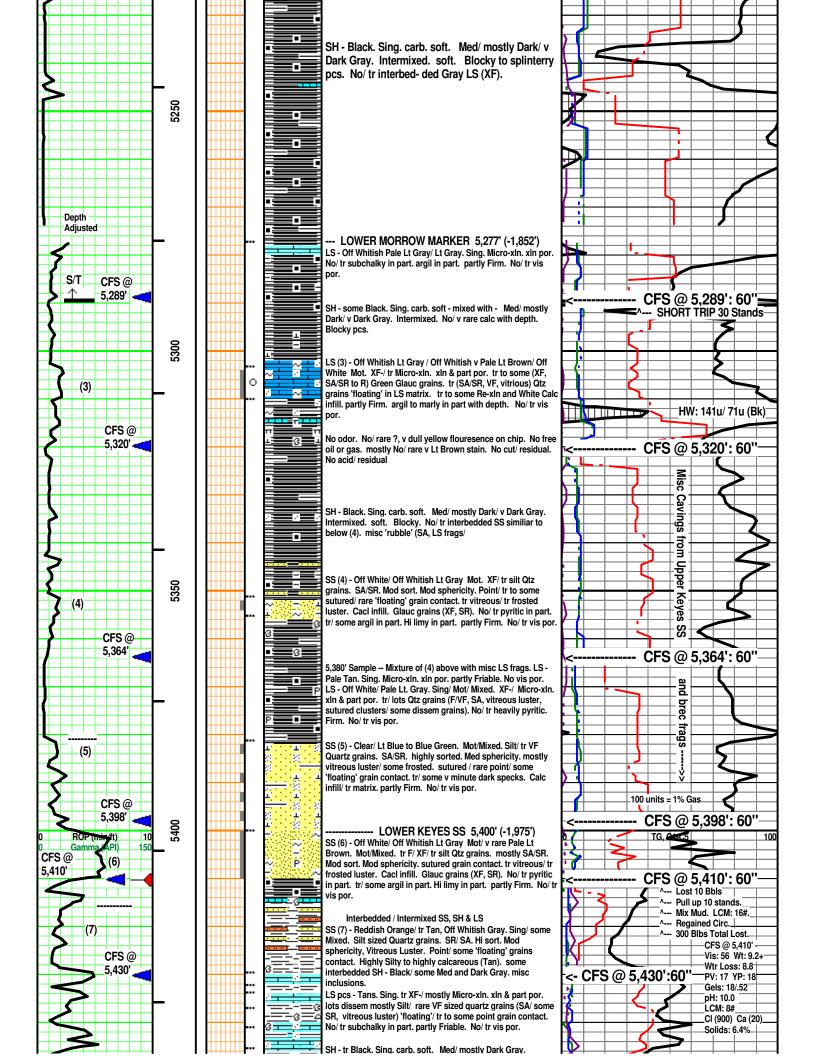


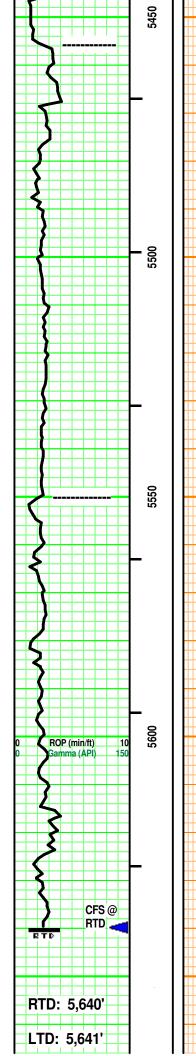












Intermixed. sandy, rare silty or limy in part. couple pcs: CHERT - Clear/ Off White. SR. semi- transparent. frosted luster. No trip.

- STE. GENEVIEVE 5,456' (-2,031')

LS - Off White/ Tans. Sing. rare XF-/ mostly Micro-xIn. xIn & part por. lots dissem mostly Silt/ rare VF sized quartz grains (SA/ some SR, vitreous luster) 'floating'/ tr to some point grain contact. No/ tr subchalky in part. rare minute, gluac grains (SR) near top. tr/ some minute dark specks with intermittent. partly Friable. No/ tr vis por.

LS - Off White/ Tans. Sing. rare XF-/ mostly Micro-xIn. xIn & part por. lots dissem mostly Silt/ rare VF sized quartz grains (SA/ some SR, vitreous luster) 'floating'/ tr to some point grain contact. No/ tr subchalky in part. tr/ some minute dark specks with intermittent. Intermixed Med/ Dark Tan nodules with depth. No/ tr Re-xIn. partly Friable. No/ tr vis por.

------ ST. LOUIS 5,550' (-2,125')

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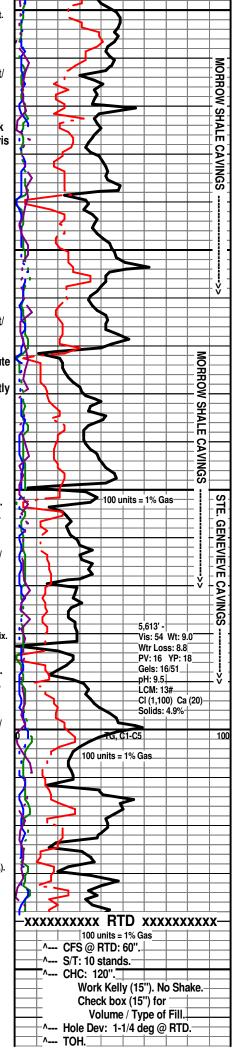
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LS - Lt & Med Tan/ some Off White. Sing/ tr Mot. tr VF/ mostly XF/ some Micro-xIn. xIn & part por. No/ some Re-xIn in part. Med Tan, calc nodules (SR, mod sphericity to oblate, opaque). No/ subchalky in part. No/ [few pcs: CHERT - Clear/ Lt Tan. Sing. Transparent. No tripolitic. No inclusions.] partly Firm. No/ tr vis por.

Add: LS - Off White Micro-Oolites ('ghost') in Off White Matrix. subchalky. partly Friable. tr vis por.

LS - Lt & Med Tan/ some Off White. Sing/ tr Mot. tr VF/ mostly XF/ some Micro-xIn. xIn & part por. No/ some Re-xIn in part. Med Tan, calc nodules (SR, mod sphericity to oblate, opaque). No/ subchalky in part. No/ [few pcs: CHERT - Clear/ Lt Tan. Sing. Transparent. No tripolitic. No inclusions.] partly Firm. No/ tr vis por.

Add: CHERT - Off White. Sing. Opaque. minute Dark Tan, oblate inclusions. No/ tr Black, asphaltic / carb flecks (A, SA). No tripolitic.



ATD: 5,642' —	GRAHAM #1-30 X		_^	E-LC)G.	[Wea	therf	ord]			
	1,520' FNL & 2,300' FEL 30 - T29S - R41 W Stanton County, Kansas								=		_
		Geologist: Curtis Covey COVEY - The Well Watchers -									
	STELBAR OIL CORPORATION Wichita, Kansas					Num					