KOLAR Document ID: 1657607

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:	SecTwpS. R East West				
Address 2:	Feet from North / South Line of Section				
City:	Feet from _ East / _ West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
	Producing Formation:				
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:				
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:				
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet				
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No				
Cathodic Other (Core, Expl., etc.):					
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	Drilling Fluid Management Plan				
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)				
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls				
Dual Completion Permit #:	Dewatering method used:				
SWD Permit #:	Location of fluid disposal if hauled offsite:				
EOR Permit #:	Location of haid disposal in hadica offsite.				
GSW Permit #:	Operator Name:				
_	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. 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 ☐ Drill Stem Tests Received						
Geologist Report / Mud Logs Received						
UIC Distribution						
ALT I II Approved by: Date:						

KOLAR Document ID: 1657607

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
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 (Attach Addit	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample			
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	ad Paraant Additivas	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	- Guord Osed		Type and Percent Additives			
Plug Off Z										
1. Did you perform a hydraulic fracturing treatment on this well? 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip questions 2 and 3) No (If No, skip question 3) No (If No, fill out Page Three of the ACO-1)										
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole [Open Hole		Oually Comp. Commingled			Bottom		
(If vented, Submit ACO-18.) (Submit ACO-5) (Submit ACO-4)										
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Bridge Plug Aci Type Set At		Acid,	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)			
TUBING RECORD: Size: Set At: Packer At:										

Form	ACO1 - Well Completion
Operator	R & W Energies LLC
Well Name	GRAY DEVINE 5
Doc ID	1657607

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	50	Common	50	Cal/Chlor
Production	7.875	4.50	11.60	2247	Poz/Mix	275	light

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561



Cement or Acid Field Report
Ticket No. 6432
Foreman Kevin McCoy
Camp Eureka

API#15-073-24247

Date	Cust. ID #	# Lease & Well Number			Section	Township	Range	County	State
4-30-22	1090	DIVIN	1e #5		23	245	9E	Gw	Ks
Customer R&W ENERGIES					Unit #	ShAN	von F.	Unit #	Driver
Mailing Address	Mailing Address 403 N. MyR+le				113	Steve	m.	1217 5.7 1.5	
City Eure &	SA	State	Zip Code 67045					Aberia stre	and the second
Casing Depth_	52'6.4.	Hole Siz	th 57'		Slurry Vol. /	2 BbL		bing	
Casing Size & Wt. 8% Cement Left in Casing 5 Displacement 4 BbL Displacement PSI						·	Other BPM		
			oup to 848 went w/ 2%		BREAK 02% GeL =	CIRCUlati	on w/ 10	SBL FREST	4 BLL
tresh wat	er. Shut C	Asing IN. C	sood Cemen	+ to Su	REACE.	Job Compi	ete. Kig	down	
								7/08/15/2	V. 67
								12 1 2 2 7 7	
									(Garley)

Code	Qty or Units	Description of Product or Services	Unit Price	Total
: 101	1	Pump Charge	950.00	950.00
107	20	Mileage	4.50	90.00
200	50 5KS	Class A' Cement	18.55	927.50
205	100 #	CACLE 2%	. 75#	75.00
206	100 #	Gel 2%	_30	30.00
:108 A	2.35 TONS	Ton MileAge	M/c	390.00
		800 1000	The sea cars	CONTRACT TO
				- Topianis
	A. 35.10F			
				Section 1
				Mestra 1
			100	77 YEARS
			Sub TotAL	2462.50
		THANKS	Less 5%	126.99
	LINE BOALDE	7.5%	Sales Tax	77. 44
Authoria	ation By 77	m Gulick Title C\$6 Dalg.	Total	24/2.95

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561

Plug Rat Hole

Authorization



Cement or Acid Field Report
Ticket No. 6361
Foreman David Gardner
Camp Eurekg

Sales Tax

Total

734.5<u>2</u> 088.01

7.5%

UE	MILITA	DOLLAR DELVAR		L		CHICAT	NOTATION OF THE
Lea	se & Well Numb	er	Section	Township	Range	County	State
Grav	Devine	#5	23	245.	96	Greenwoo	d KS
-		Safety	Unit#	Dri	ver	Unit#	Driver
h+W Energies				105 Jas			
		DG	112				
		BW	113	0			
	_					15 1 1 2	
State	Zip Code	SM				JE 1 STOCK 15 J	
KS	67045					spanned li	Lacy
	Lea	Gray Devine State Zip Code	Lease & Well Number Gray Devine #5 Safety Meeting DG TH BW EM State Zip Code Sm	Lease & Well Number Section	Lease & Well Number Section Township Gray Devine #5 23 295. Safety Unit # Dri Meeting 105 Jas JH BW 113 Russ KM 173 Russ State Zip Code Sm	Lease & Well Number Section Township Range	Lease & Well Number Section Township Range County Gray Devine #5 23 245. 9E Greenwoo Safety Unit # Driver Unit # Meeting 105 3TH BW 113 Russ RM 145 State Zip Code KS 67045

Job Type Longstring Hole Depth 2258 K.B. Slurry Vol. 38 Bb Tail Tubing

Casing Depth 2249.99 G.L. Hole Size 776 Slurry Wt. 12.8 13.6 Drill Pipe

Casing Size & Wt. 41/2 11.60 Cement Left in Casing O Water Gal/SK Other

Displacement 36 Bb Displacement PSI 900 Bump Plug to 1300 PSI BPM

Remarks: Safety Meeting: 41/2" 11.60" casing set @ 2249.99'G.L. Circulate w/ Mud pump for 30 mins. Rig up to 41/2" Casing. Break circulation w/ 10 Bbl fresh water. Mixed 275 sxs 60/40 Pozmix Cement w/ 8% Gel, 1" Phenoseal/sk @ 12.8 "/gal, yield 1.65= 81 Bbl slurry, Tail in w/ 110 sxs Thick Set Cement w/ 5" Kolseal/sk, 2" Phenoseal/sk @ 13.6 "/gal, yield 1.94= 38 Bbl slurry. Washout pump + lines. Shut down. Release 41/2" Latch Down Plug. Displace plug to seat w/ 36 Bbl fresh water. Final pumping pressure of 900 PSI. Bump plug to 1300 PSI. Wait 2 mins. Release pressure. Float + plug held. Good circulation @ all times while cementing. Good cement returns to surface = 5 Bbl slurry to pit. 41/2" annulus standing full of cement. Sob complete. Rigdown.

Centralizers on # 1,3,5,7,9 Basket on #10 Code **Qty or Units Description of Product or Services Unit Price** Total **Pump Charge** 1 CIOZ 1180.00 1180.00 Mileage 20 5.00 C107 100.00 60/40 Pozmix Cement 15.75 4331,25 C203 275 SKS 1890# Gel 8% .30 567.00 C206 2754 Phenoseal 1#/sk 1.55 1208 426.25 Thick Set Cement 24.25 2667.50 C201 110 SKS Kolseal 54/sk 550# 308.00 ,56 CZ07 220# Phenoseal 25/5x C208 1.55 341.00 Ton Mileage - 20 miles - Bulk Trucks 536.10 C108 B 1.50 17.87 Tons 95,00 /HR 4 HRS. 80 Bbl Vac Truck 380.00 C113 3300 Gals. 39.60 C224 City Water 12.00/1000 41/2" AFU Float Shoe C660 340.00 340.00 41/2" Latch Down Plug C420 247.00 247.00 41/2" x 71/8" Centralizers 5 55.00 275.00 C503 41/2" Cement Basket 251.00 C603 251.00 Thank Vou 11,989.70 Sub Total 636.21 Less 5%



R & W Energies



Scale 1:240 Imperial

Well Name: Gray-Divine #5

Surface Location: NE/SW/SW/NW of Sec 23 T24S R9E

Bottom Location:

API: 15-073-24247

License Number: 7564

Spud Date: 5/5/2022 Time: 7:00 AM

Region: Greenwood County Kansas

Drilling Completed: 5/9/2022 Time: 12:00 AM

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 1181.00ft K.B. Elevation: 1187.00ft

Logged Interval: 800.00ft To: 2258.00ft

Total Depth: 2258.00ft
Formation: Bartlesville Sand
Drilling Fluid Type: Chemical Mud

OPERATOR

Company: R and W Energies Address: 403 N. Myrtle Street Eureka, KS 67045

Contact Geologist:

Contact Phone Nbr: 620-583-4785

Well Name: Gray-Divine #5

Location: NE/SW/SW/NW of Sec 23 T24S R9E

API: 15-073-24247

Pool: Field: Thrall-Aagard State: Kansas Country: United States

CONTRACTOR

Contractor: C and G Drilling Inc.

Rig #:

Rig Type: Single

Spud Date: 5/5/2022 Time: 7:00 AM TD Date: 5/9/2022 Time: 12:00 AM

Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1187.00ft Ground Elevation: 1181.00ft

K.B. to Ground: 6.00ft

LOGGED BY

Company: Sparrow Oil LLC Address: 701 P50 Road

Eureka, KS 67045

Phone Nbr: 620-953-2066

Logged By: Geologist Name: Seth L Evenson

NOTES

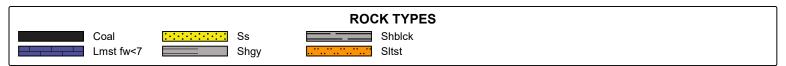
Cased-hole log tops

Heebner 840' (+347) Toronto 852' (+335)

Douglas	873' (+314)
Lansing	1208' (-21)
KC	1485' (-298)
Stark	1588' (-401)
Hush	1614' (-427)
BKC	1648' (-461)
Marmaton	1759' (-572)
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Ft. Scott	1896' (-709)
Cherokee	1916' (-729)
Ardmore	2009' (-822)
Catt Snd	2072' (-885)
Up BV Snd	2115' (-928)
BV Snd	2155' (-968)
Bas BV	2212' (-1025)

Fair shows were encountered in the Upper Bartlesville sand section, though the sand had a high clay content and exhibited poor matrix porosity. It is recommended that the Upper Bartlesville be perforated and fracked prior to abandonment to evaluate the zone for commercial production. The main Bartlesville zone had 57 feet of sand development, with approximately 40 feet of fair, light oil saturation, and fair to good even fluoresence observed in samples. Porosity was fair to good in the main Bartlesville, and appeared to improve with depth. Dead flaky stain was observed in the bottom 10-12 feet of Bartlesville sand, which probably indicates complete water saturation.

4.5 inch production casing was ran to further evaluate and produce the Upper Bartlesville and Bartlesville Sands





OTHER SYMBOLS OIL SHOWS Even Stn Spotted Stn 50 - 75 % Spotted Stn 25 - 50 % Spotted Stn 1 - 25 % Questionable Stn D Dead Oil Stn Fluorescence

Curve Track #01
ROP (min/ft)
Gamma (API)

Geological Descriptions

Curve Track #01
ROP (min/ft)
Geological Descriptions

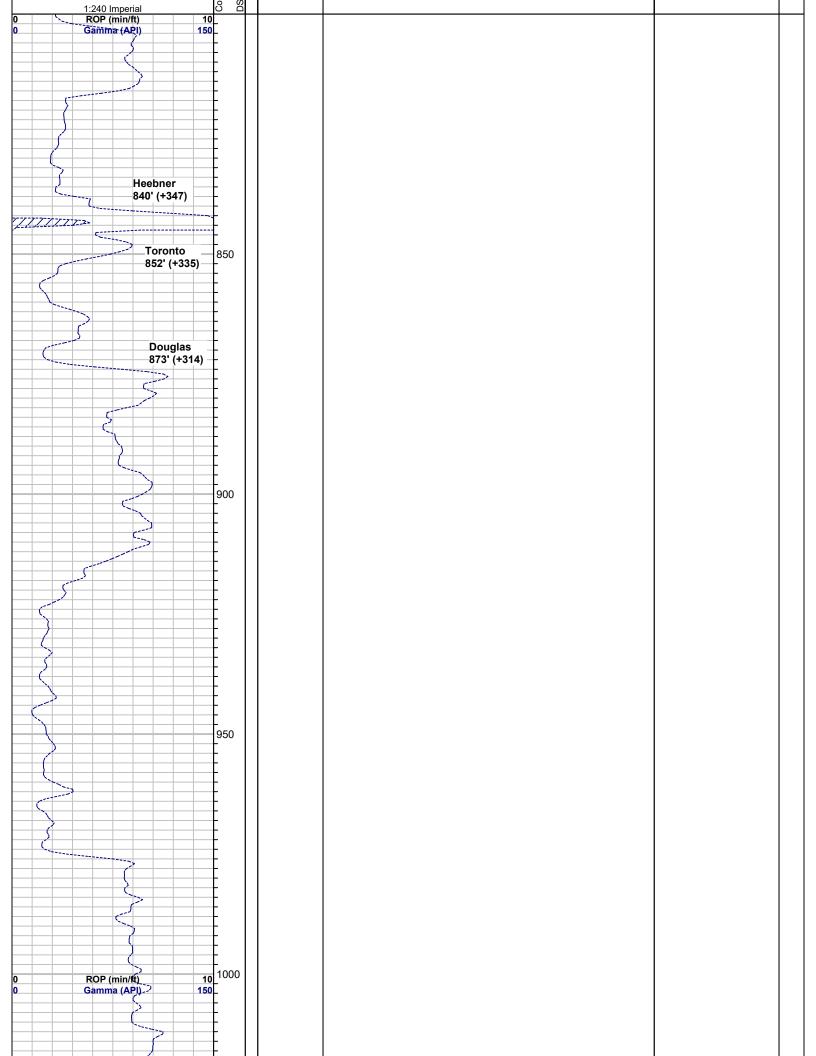
Geological Descriptions

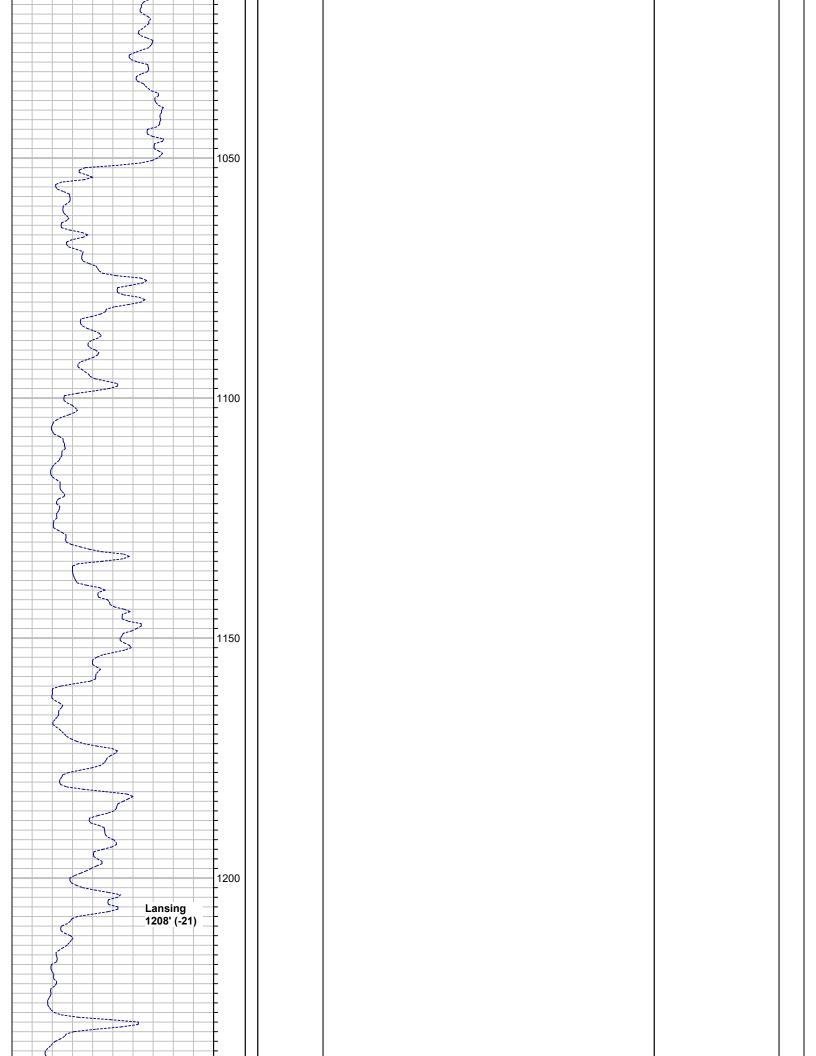
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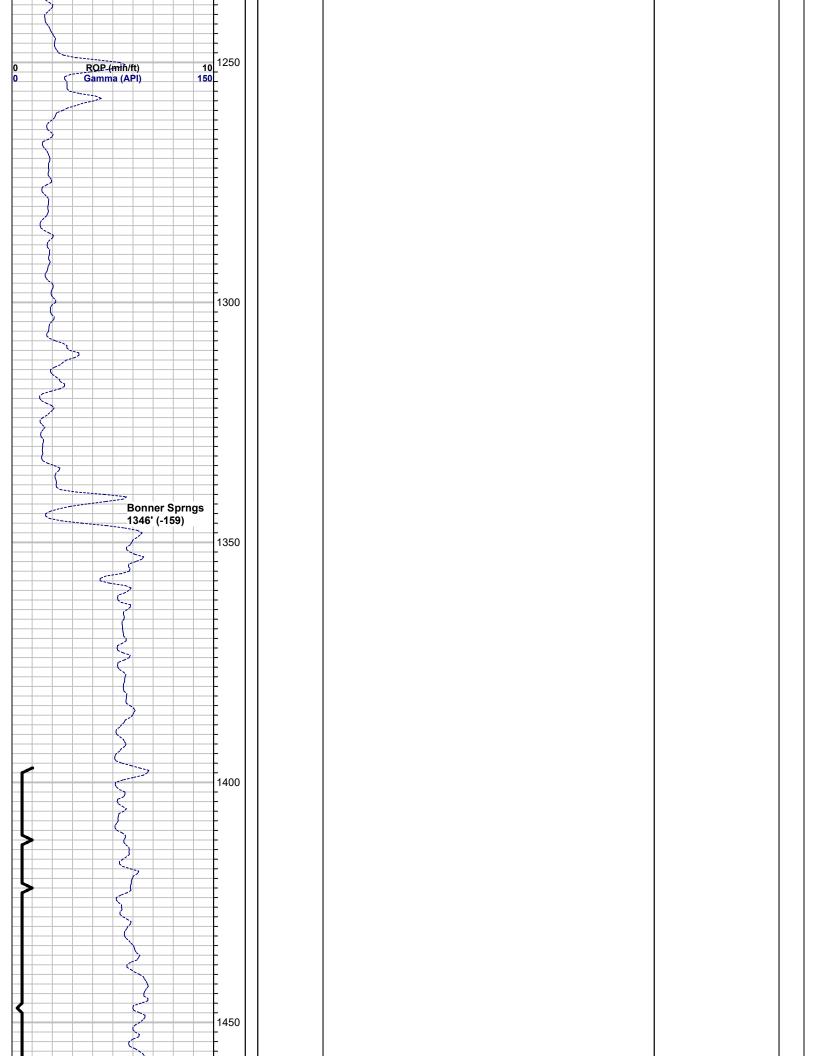
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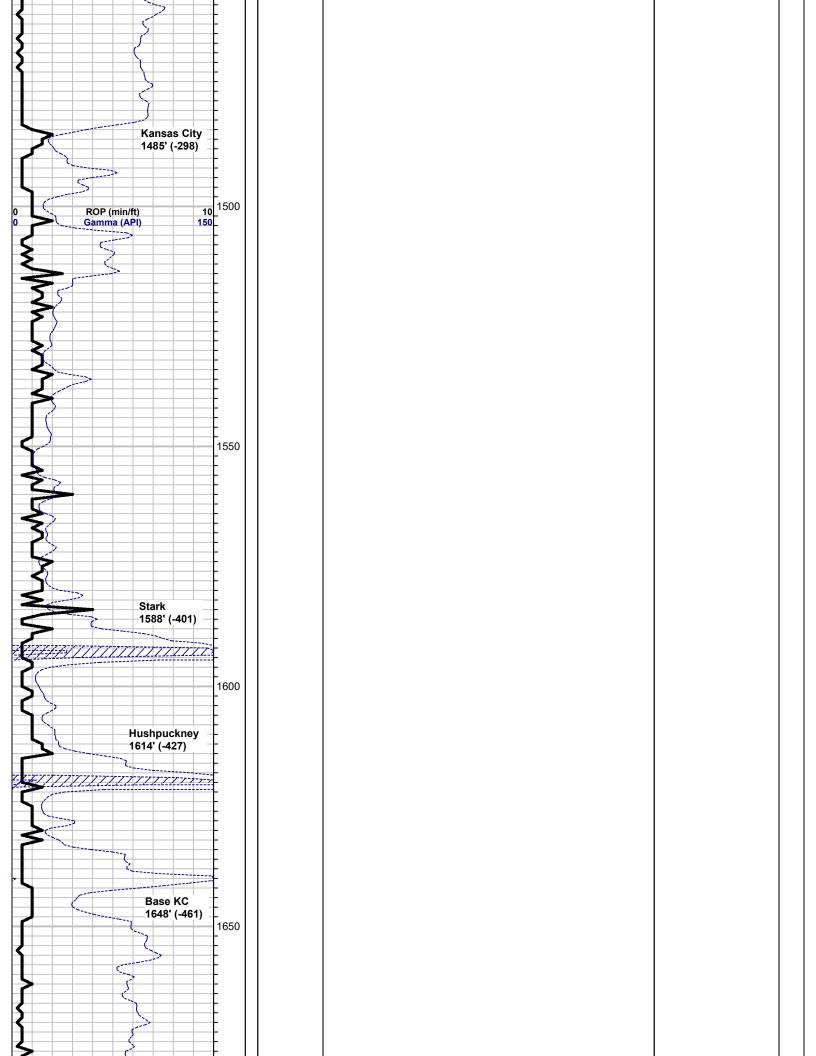
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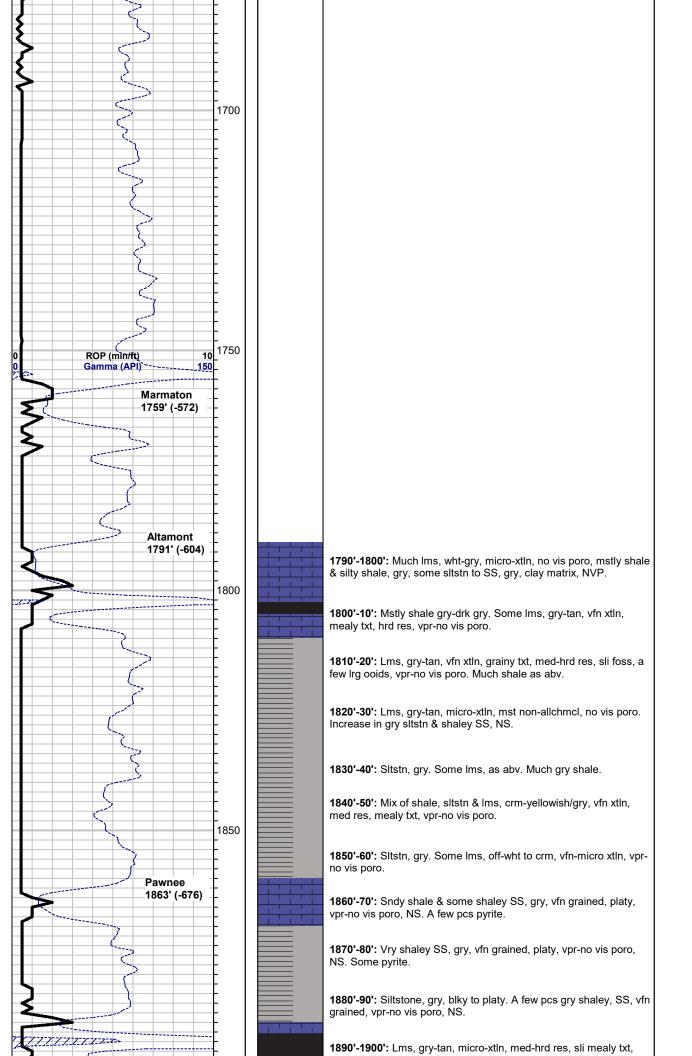
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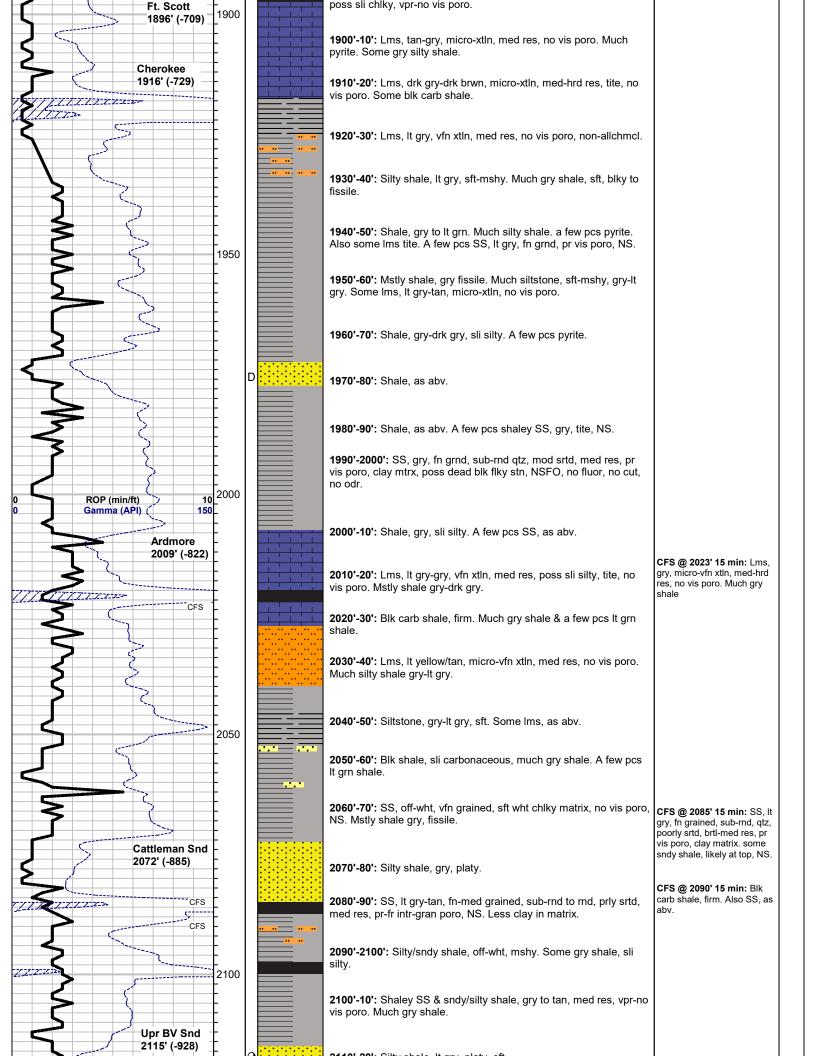


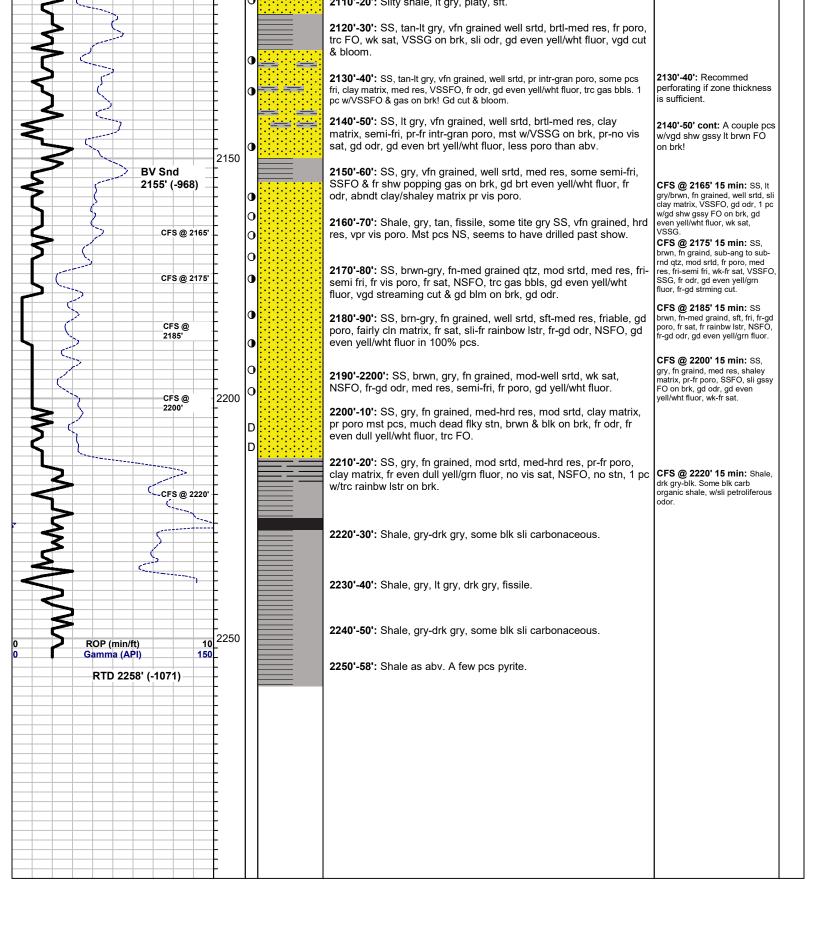














R & W Energies



Scale 1:240 Imperial

Well Name: Gray-Divine #5

Surface Location: NE/SW/SW/NW of Sec 23 T24S R9E

Bottom Location:

API: 15-073-24247

License Number: 7564

Spud Date: 5/5/2022 Time: 7:00 AM

Region: Greenwood County Kansas

Drilling Completed: 5/9/2022 Time: 12:00 AM

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 1181.00ft K.B. Elevation: 1187.00ft

Logged Interval: 800.00ft To: 2258.00ft

Total Depth: 2258.00ft
Formation: Bartlesville Sand
Drilling Fluid Type: Chemical Mud

OPERATOR

Company: R and W Energies Address: 403 N. Myrtle Street Eureka, KS 67045

Contact Geologist:

Contact Phone Nbr: 620-583-4785

Well Name: Gray-Divine #5

Location: NE/SW/SW/NW of Sec 23 T24S R9E

API: 15-073-24247

Pool: Field: Thrall-Aagard State: Kansas Country: United States

CONTRACTOR

Contractor: C and G Drilling Inc.

Rig #:

Rig Type: Single

Spud Date: 5/5/2022 Time: 7:00 AM TD Date: 5/9/2022 Time: 12:00 AM

Rig Release: Time:

ELEVATIONS

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K.B. to Ground: 6.00ft

LOGGED BY

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Eureka, KS 67045

Phone Nbr: 620-953-2066

Logged By: Geologist Name: Seth L Evenson

NOTES

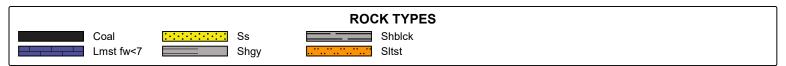
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4.5 inch production casing was ran to further evaluate and produce the Upper Bartlesville and Bartlesville Sands





OTHER SYMBOLS OIL SHOWS Even Stn Spotted Stn 50 - 75 % Spotted Stn 25 - 50 % Spotted Stn 1 - 25 % Questionable Stn D Dead Oil Stn Fluorescence

Curve Track #01
ROP (min/ft)
Gamma (API)

Geological Descriptions

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ROP (min/ft)
Geological Descriptions

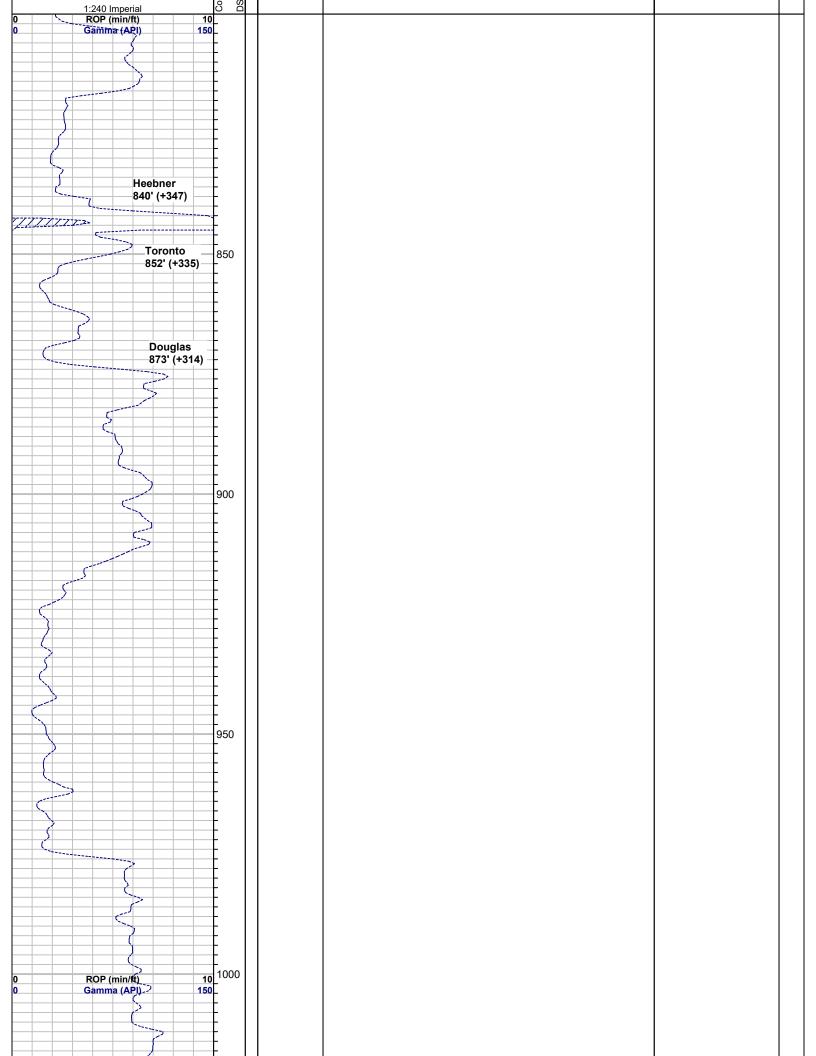
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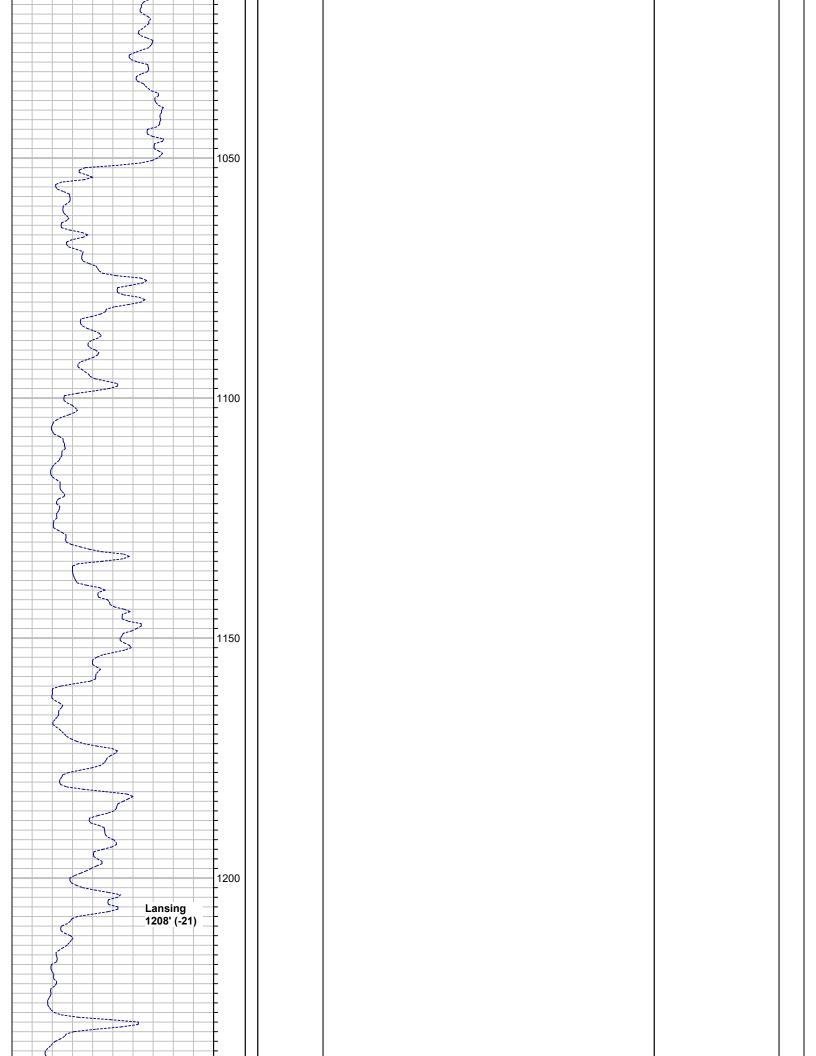
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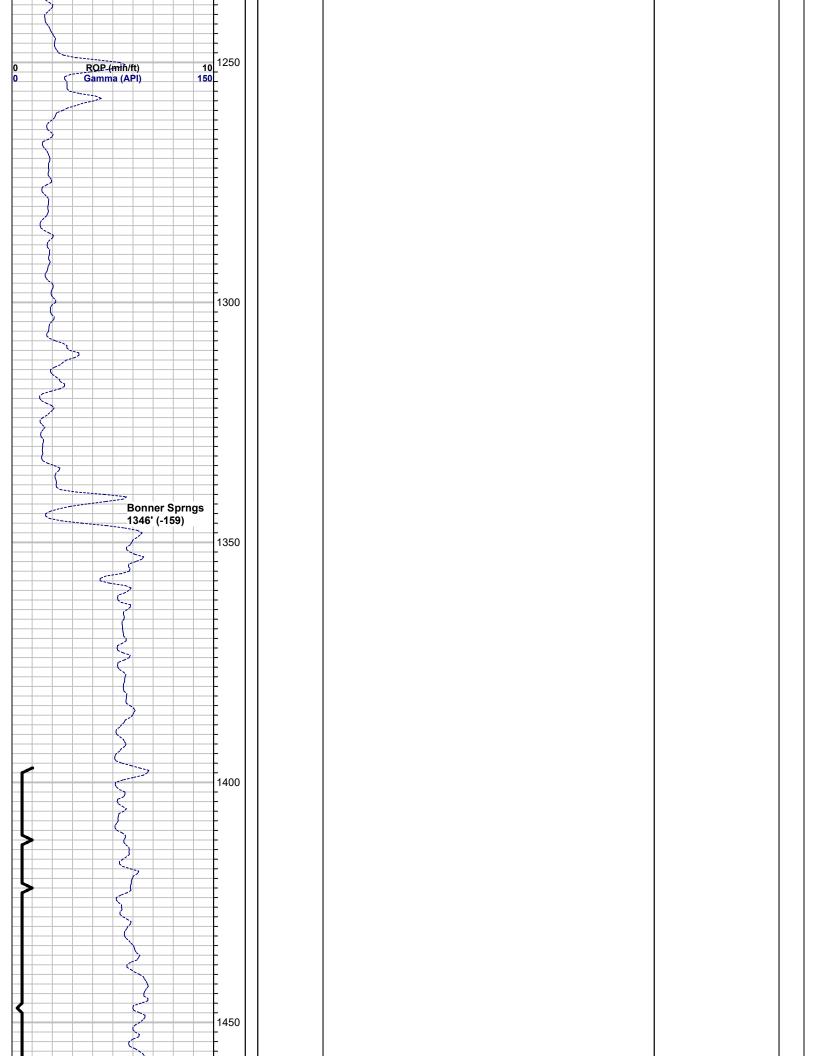
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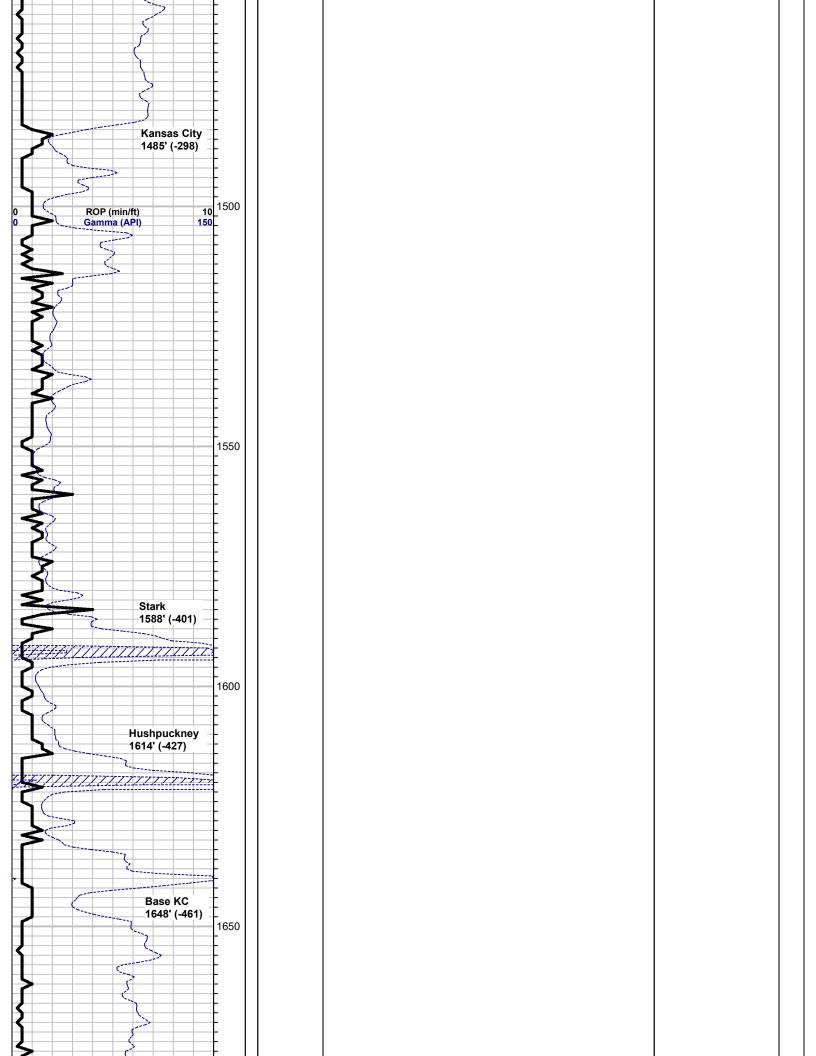
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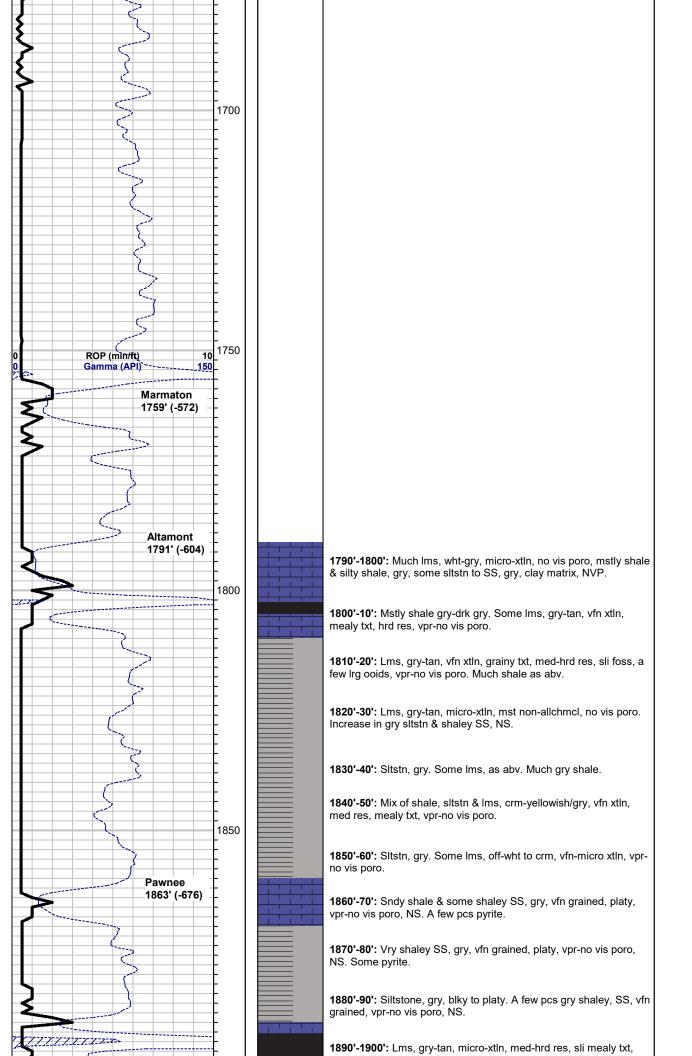
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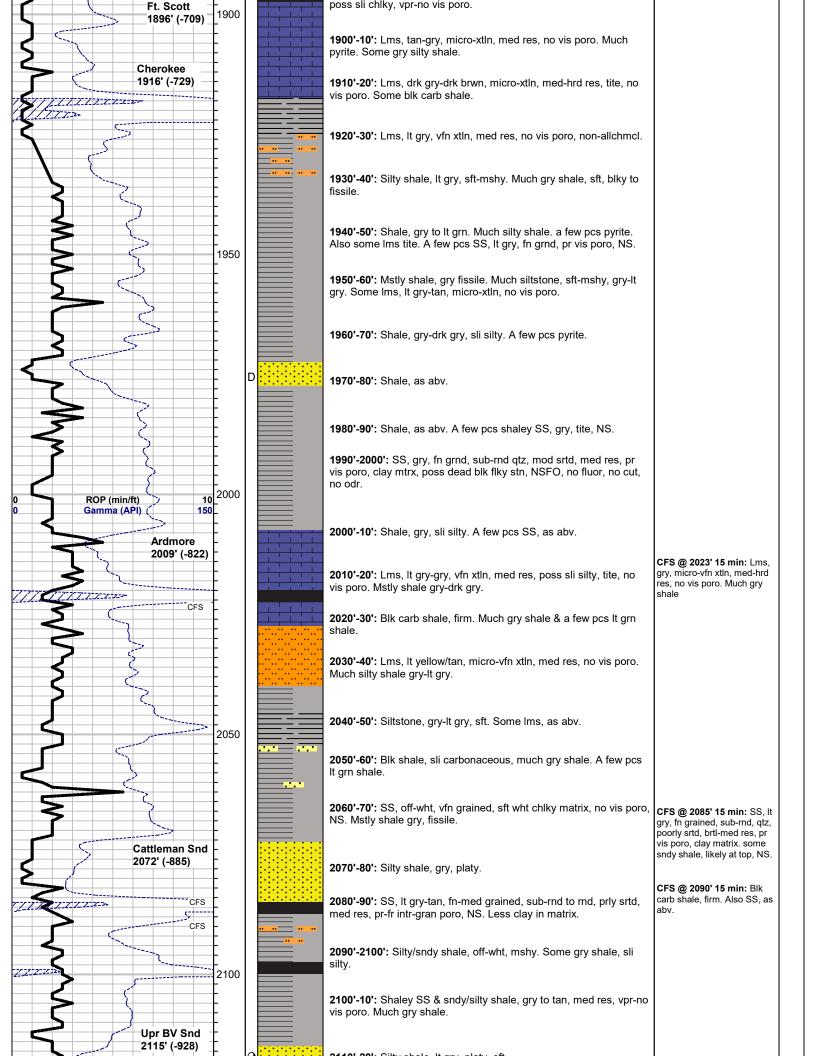


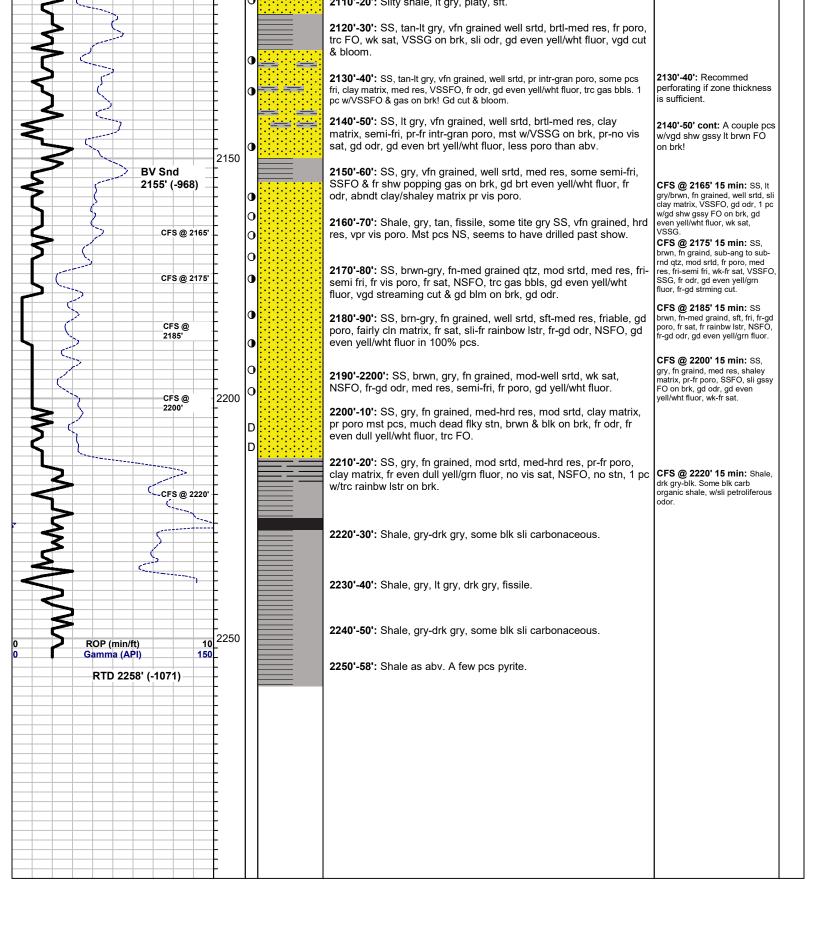














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Contact Geologist:

Contact Phone Nbr: 620-583-4785

Well Name: Gray-Divine #5

Location: NE/SW/SW/NW of Sec 23 T24S R9E

API: 15-073-24247

Pool: Field: Thrall-Aagard State: Kansas Country: United States

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Rig #:

Rig Type: Single

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Rig Release: Time:

ELEVATIONS

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LOGGED BY

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Eureka, KS 67045

Phone Nbr: 620-953-2066

Logged By: Geologist Name: Seth L Evenson

NOTES

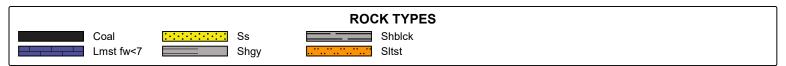
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4.5 inch production casing was ran to further evaluate and produce the Upper Bartlesville and Bartlesville Sands





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Curve Track #01
ROP (min/ft)
Gamma (API)

Geological Descriptions

Curve Track #01
ROP (min/ft)
Geological Descriptions

Geological Descriptions

Comment

Curve Track #01
ROP (min/ft)
Geological Descriptions

Comment

Comment

