### KOLAR Document ID: 1380288

Confiden	tiality Re	quested:
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

WFII	HISTORY	- DESCRIP	TION OF	WFII &	IFASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R East 🗌 West
Address 2:	Feet from Dorth / 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 #	
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workove	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas DH EOR	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.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	
Well Name:	
Original Comp. Date: Original Total Depth:	
Plug Back Liner Conv. to GSW Co	
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 #:	Operator Name:
GSW Permit #:	
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion	n Date or
Recompletion Date Recompletion	ion 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 III Approved by: Date:

#### KOLAR Document ID: 1380288

Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

**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)		<u> </u>	/es 🗌 No	1		L	og Forn	nation (Top), De	pth and	d Datum	Sample		
				(		N	lame	<del>)</del>			Тор	Datum	
Samples Sent to Ge Cores Taken Electric Log Run Geologist Report / M List All E. Logs Run:	Aud Logs	vey		∕es ∟ Νο ∕es □ Νο ∕es □ Νο ∕es □ Νο	1								
			Rep		NG RECO		Nev		duction, etc.				
Purpose of String     Size Hole Drilled     Size Casing Set (In O.D.)				ze Casing		Weight _bs. / Ft.		Setting Depth	Type o Cemei		# Sacks Used	Type and Percent Additives	
ADDITIONAL CEMENTING / SQUEEZE RECORD													
Purpose: Depth			Turo	ADDITIONAL Type of Cement		NTING / S		EEZE RECC		and Pa	ercent Additives		
Perforate	Тор	Bottom	тур	e of Cement	#0				туре	anu re	Acent Additives		
Protect Casing Plug Back TD Plug Off Zone													
<ol> <li>Did you perform a h</li> <li>Does the volume of</li> <li>Was the hydraulic fractional first Production</li> </ol>	the total base acturing treat	e fluid of the hy ment informat	ydraulic fi ion subm	acturing treat	emical disclo		stry?	Gas Lift	No (If	No, skip No, fill c	o questions 2 an o question 3) out Page Three o		
Estimated Production Per 24 Hours	1	Oil B	bls.	Gas	Mcf	,	Wate	r	Bbls.	Ga	as-Oil Ratio	Gravity	
DISPOSIT	TION OF GAS	8:			METHOD OF			COMPLETION:			PRODUCTION INTERVAL: Top Bottom		
Vented So	old Use	ed on Lease		Open Hole	Perf.	Perf. Dually ( (Submit A			Commingled (Submit ACO-4)		100		
Shots Per Foot	Perforation Top	Perforat Bottor		Bridge Plug Type		Bridge Plug Set At		,	Acid, Fracture, Sho (Amount ar		enting Squeeze of Material Used)	Record	
TUBING RECORD:	Size:		Set At:		Packer	At:							

Form	ACO1 - Well Completion
Operator	Thomas Garner, Inc.
Well Name	DENNIS 1
Doc ID	1380288

All Electric Logs Run

Dual Induction
Compensated Neutron
Gamma Ray
Sonic
Micro

Form	ACO1 - Well Completion
Operator	Thomas Garner, Inc.
Well Name	DENNIS 1
Doc ID	1380288

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	321	60/40 poz		2% Gel 3%cc
Production	7.875	5.5	15.5	4276	AA-2	150	2%gel

Joshua R. Austin Petroleum Geologist report for Thomas Garner, Inc.
COMPANY: Thomas Garner, Inc.
LEASE: Dennis #1
FIELD: Leiss Northwest
LOCATION: 416' FSL & 1733' FEL (NW-SE-SW-SE)
SEC: 15 TWSP: 25s RGE: 13w
COUNTY: Stafford STATE: Kansas
KB: 1938' GL: 1927'
API # 15-185-24005-00-00
CONTRACTOR: Sterling Drilling Company (Rig #4)
Spud: <u>11/24/2017</u> Comp: <u>12/01/2017</u>
RTD: <u>4282'</u> LTD: <u>4274'</u>
Mud Up: 3081' Type Mud: Chemical was displaced
Samples Saved From: 3400' to RTD
Drilling Time Kept From: <u>3400'to RTD</u>
Samples Examined From: <u>3400' to RTD</u> Geological Supervision From: <u>3400' to RTD</u>
Geologist on Well: Josh Austin
Surface Casing: <u>8 5/8" @ 321'</u>
Production Casing: <u>5 1/2" @ 4276'</u>
Electronic Surveys: Pioneer Energy Services

### NOTES

On the basis of the high structural position, positive drill stem test and after reviewing the eletric logs it was recommended by all parties involved in the Dennis #1 to run 5 1/2" production casing to open hole complete the Arbuckle. Before plugging the well the following zones should be tested:

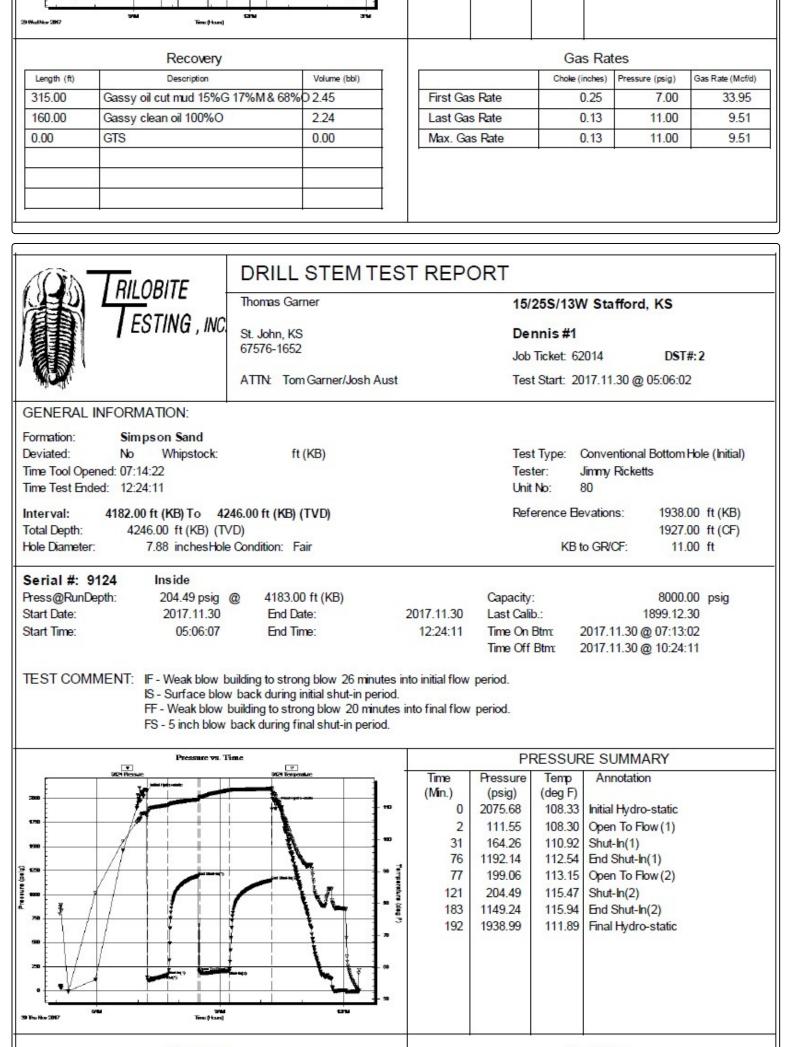
**Thomas Garner, Inc** 

Simspon Sand 4210-4218 Viola 4098-4102 Lansing 'H' 3798-3804

И

		DRILLING	WELL		COMPARISON WELL					COMPARI	SON WELL		COMPARISON WELL			
		Denni	s #1			Teichman	#1-15	363		McCano	lless			Roy Russ	sell #2	
					NW-N	E-SE Sec	15-25s-	13w	NW-N	E-NE Sec	22-25s-	13w	SW-1	NE-SE Sec	15-25s	-13w
							Struct	ural			Struct	ural			Struct	ural
	1938	KB			1933	KB	Relatio	onship	1927	7 KB	Relatio	onship	1931	KB	Relati	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	786	1152	N/A	N/A	782	1151	1						779	1148	4	
Heebner	3486	-1548	3486	-1548	3483	-1550	2	2	3484	-1557	9	9	3484	-1557	9	9
Toronto	3504	-1566	3502	-1564	3500	-1567	1		3504	-1577	11					
Douglas	3526	-1588	3523	-1585	3521	-1588	0									
Brown Lime	3636	-1698	3631	-1693	3630	-1697	-1	4							()	
Lansing	3666	-1728	3662	-1724	3661	-1728	0	4	3662	-1735	7	11	3660	-1733	5	9
BKC	3946	-2008	3944	-2006	3943	-2010	2	4	3937	-2010	2	4				
Mississippi	4023	-2085	4024	-2086	4024	-2091	6	5			6					
Viola	4084	-2146	4083	-2145	4082	-2149	3	4	4111	-2184	38	39	4089	-2162	16	17
Simpson Shale	4196	-2258	4204	-2266	4203	-2270	12	4	4200	-2273	15	7	4264	-2337	79	71
Simpson Sand	4209	-2271	4210	-2272	4212	-2279	8	7	4213	-2286	15	14				
Arbuckle	4276	-2338	N/A	N/A	4277	-2344	6	N/A					4324	-2397	59	N/A
Total Depth	4282	-2344	4274	-2336	4280	-2347			4252	-2325			4353	-2426		

	LOBITE	DRILL STEIMT	EST REPO	JRT		
		Thomas Garner		15/255/1	3W Stafford	l, KS
	ESTING , INC			Dennis	#1	
				Job Ticket	: 62013	DST#:1
Men I		ATTN:		Test Start	2017.11.29 @	07:06:00
GENERAL INFOR	MATION:					
Formation: Vie						
Deviated: No	and a state of the	ft (KB)		Test Type		al Bottom Hole (Initial)
Time Tool Opened: 09: Time Test Ended: 14:				Tester: Unit No:	Jimmy Ricke 80	tts
Interval: 4100.	00 ft (KB) To 41	35.00 ft (KB) (TVD)		Reference	e Bevations:	1938.00 ft (KB)
	135.00 ft (KB) (T					1927.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Fair				1	KB to GR/CF:	11.00 ft
Serial #: 9124	Inside					
Serial #: 9124 Inside Press@RunDepth: 221.98 psig @ 4101.00 ft (KB)				Capacity:		8000.00 psig
			2017.11.29	Last Calib .:		2017.11.29
Start Time:	07:06:05	End Time:	14:50:09	Time On Btm:		
				Time Off Btm:	2017.11.29	@ 12:30:00
						E 12.00.00
TEST COMMENT:	IS - 3 inch blow b FF - Strong blow	throughout initial flow period. back during initial shut-in period. throughout final flow period. back during final shut-in peri	od.			
	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in perio	od.	minutes into initial f		
actines actines	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in peri	od. od. Time	minutes into initial f PRESS Pressure Ten	low period. SURE SUMM. p Annotatic	ARY
300	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in perio	od. Time (Min.)	minutes into initial f PRESS Pressure Ten (psig) (deg	SURE SUMM P Annotation F)	ARY
actines actines	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in perio	od. Time (Min.)	PRESS Pressure Ten (psig) (deg 1928.22 109	SURE SUMM. p Annotatic F) .18 Initial Hydro	ARY on o-static
300	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in perio	od. od. Time (Min.) - 110 0 5 - 100 32	PRESS Pressure Ten (psig) (deg 1928.22 109 153.60 114 185.83 116	SURE SUMM P Annotation F)	ARY on o-static
389 979 979	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in perio	od. od. Time (Min.) - 110 0 5 - 100 32 76	PRESS Pressure Ten (psig) (deg 1928.22 109 153.60 114 185.83 116 444.21 117	URE SUMM. URE SUMM. p Annotatic F) .18 Initial Hydro .83 Open To Fi .48 Shut-In(1) .66 End Shut-I	ARY on o-static low (1) n(1)
2000 2000 9750 9750	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in perio	od. od. Time (Min.) - 110 0 5 - 100 32 76	PRESS Pressure Ten (psig) (deg 1928.22 109 153.60 114 185.83 116 444.21 117 170.57 116	SURE SUMM. p Annotatic F) 18 Initial Hydro .83 Open To F .48 Shut-In(1) .66 End Shut-I .69 Open To F	ARY on o-static low (1) n(1)
2000 2000 9750 9750	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	back during initial shut-in period throughout final flow period back during final shut-in perio	od. Time (Min.) 100 100 100 100 100 100 107	PRESS Pressure Ten (psig) (deg 1928.22 109 153.60 114 185.83 116 444.21 117 170.57 116 221.98 117	OWRE SUMM. CURE SUMM. P Annotatic F) 18 Initial Hydro 83 Open To Fi 48 Shut-In(1) 66 End Shut-In 69 Open To Fi 66 Shut-In(2)	ARY on o-static low (1) n(1) low (2)
2000 2000 9750 9750	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	ack during initial shut-in period. back during final flow period. back during final shut-in period.	od. od. Time (Min.) - 100 5 - 300 32 76 - 30 79 - 107 107 168	PRESS Pressure Ten (psig) (deg 1928.22 109 153.60 114 185.83 116 444.21 117 170.57 116 221.98 117 377.62 117	Iow period. SURE SUMM. p Annotatic F) 18 Initial Hydro 83 Open To F 48 Shut-In(1) 66 End Shut-In 69 Open To F 66 Shut-In(2) 74 End Shut-In	ARY on o-static low (1) n(1) low (2) n(2)
	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	ack during initial shut-in period. back during final flow period. back during final shut-in period.	od. Time (Min.) 100 100 100 100 100 100 107	PRESS Pressure Ten (psig) (deg 1928.22 109 153.60 114 185.83 116 444.21 117 170.57 116 221.98 117	Iow period. SURE SUMM. p Annotatic F) 18 Initial Hydro 83 Open To F 48 Shut-In(1) 66 End Shut-In 69 Open To F 66 Shut-In(2) 74 End Shut-In	ARY on o-static low (1) n(1) low (2) n(2)
	IS - 3 inch blow I FF - Strong blow FS - 5 inch blow	ack during initial shut-in period. back during final flow period. back during final shut-in period.	od. od. Time (Min.) - 100 5 - 300 32 76 - 30 79 - 107 107 168	PRESS Pressure Ten (psig) (deg 1928.22 109 153.60 114 185.83 116 444.21 117 170.57 116 221.98 117 377.62 117	Iow period. SURE SUMM. p Annotatic F) 18 Initial Hydro 83 Open To F 48 Shut-In(1) 66 End Shut-In 69 Open To F 66 Shut-In(2) 74 End Shut-In	ARY on o-static low (1) n(1) low (2) n(2)



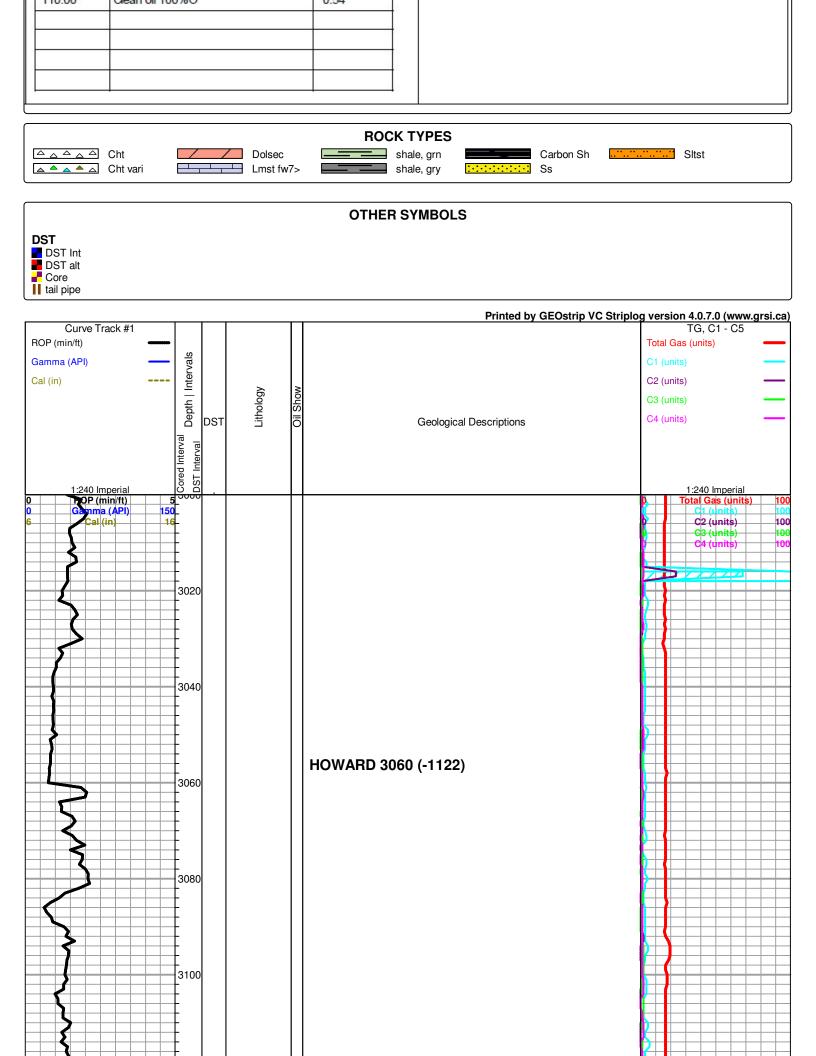
Recovery

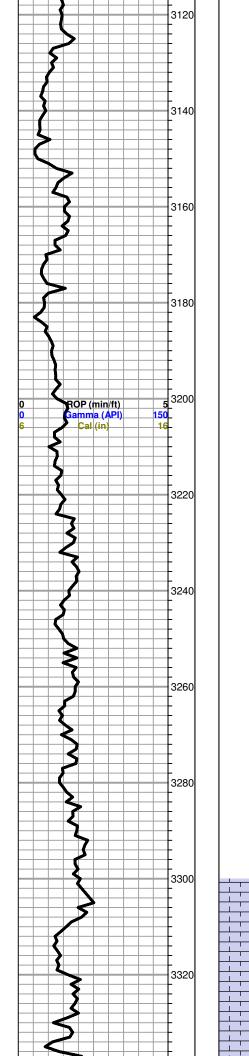
Gas Rates

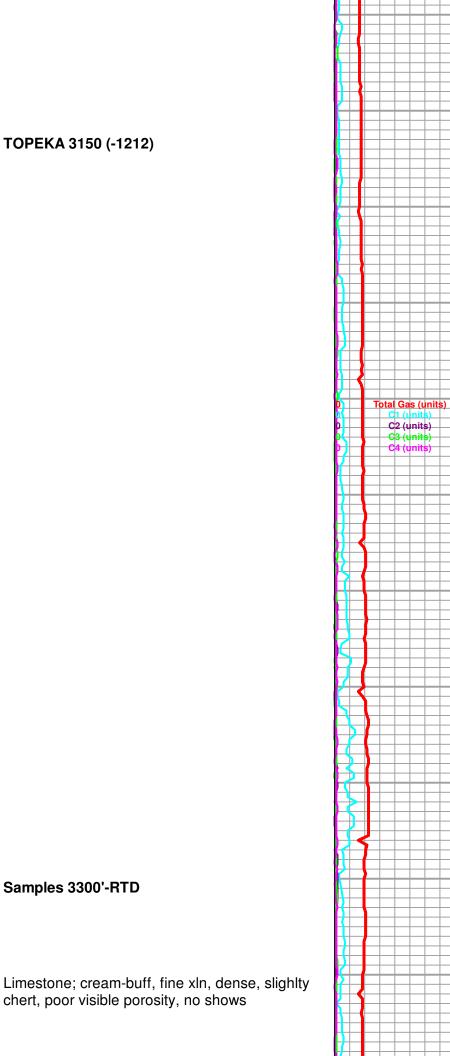
125.00 GO&HWCM 11%G 6%O 22%W 61%M 0	1%M 0.92
65.00 VGHOQM 51%G 21%O 28%M 0	
	0.91
305.00 Gas in pipe 100%G 4	4.28

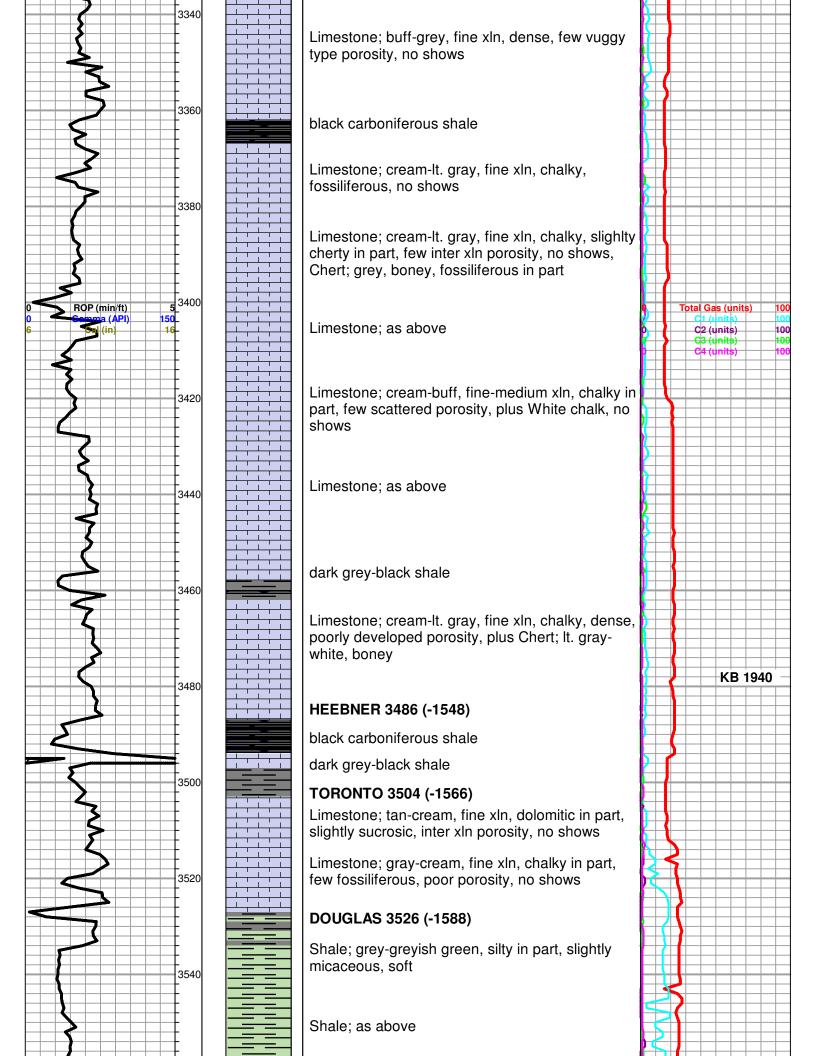
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

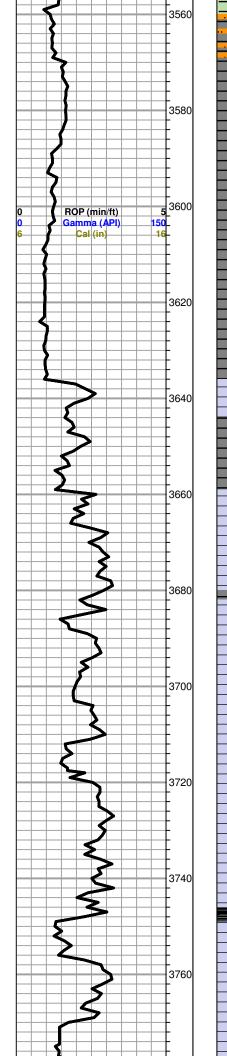
RILOBITE	DRILL STEM TES		ORT		
	Thomas Garner		15/255/13	W Stafford	I, KS
ESTING , INC	305 East 7th St. John, KS 67576-1652 ATTN: Tom Garner/Josh Aust		Dennis # Job Ticket:		DST#:3
anited fr.	ATTIN: Tom Garner/Josh Aust		Test Start.	2017.11.30@	21.31.00
GENERAL INFORMATION:					
Formation: Arbuckle Deviated: No Whipstock: Time Tool Opened: 23:44:30 Time Test Ended: 04:34:20	ft (KB)		Test Type: Tester: Unit No:	Conventiona Jimmy Ricket 80	l Bottom Hole (Initial) tts
Interval: 4276.00 ft (KB) To 4 Total Depth: 4282.00 ft (KB) ( Hole Diameter: 7.88 inchesHo			Reference I	Bevations: B to GR/CF:	1938.00 ft (KB) 1927.00 ft (CF) 11.00 ft
Press@RunDepth: 61.85 psig Start Date: 2017.11.30 Start Time: 21:31:05 TEST COMMENT: IF - Weak blow FF - Weak blow	End Date: End Time:		Capacity: Last Calib.: Time On Btm: Time Off Btm:	2017.11.30 ( 2017.12.01 (	
Pressure vs.			PRESSU	RE SUMM	ARY
Fiber297	Trypedur 10 10 10 10 10 10 10 10 10 10	Time (Min.) 0 1 32 76 77 107 107 167 173	19.56         106.7           38.62         108.2           1403.92         110.9           44.75         110.5           61.85         112.2	) 6 Initial Hydro 6 Open To Fl 0 Shut-In(1) 2 End Shut-Ir 6 Open To Fl 6 Shut-In(2) 5 End Shut-Ir	o-static low (1) n(1) low (2) n(2)
Recovery	5			as Rates	
Length (ft) Description	Volume (bbl)				re (psig) Gas Rate (Mcf/d
15.00 Heavy oil cut mud 44%	D 56%M 0.07				
110.00 Closp oil 100%O	0.54				











Trace siltstone; grey-greyish green, micaceous in part, shale; grey-dark grey-greyish green

Siltstone and Shale as above

Shale; grey-lt. grey, silty, micaceous, soft

otal Gas (units)

C2 (units)

C3 (units) C4 (units) 100

Shale; dark grey-grey, silty in part

### BROWN LIME 3636 (-1696)

Limestone; brown-buff, fine xln, fossiliferous, cherty

Shale; grey-dark grey

### LANSING 3666 (-1726)

Limestone; cream-tan, fossiliferous, mottled in part, sparry calcite inclusions, poorly developed porosity, no shows

grey shale

Limestone; cream-lt. gray, slighlty fossiliferous, cherty in part, dense, no shows

Limestone; as above questionable trace spotty brown stain, NSFO, no odor

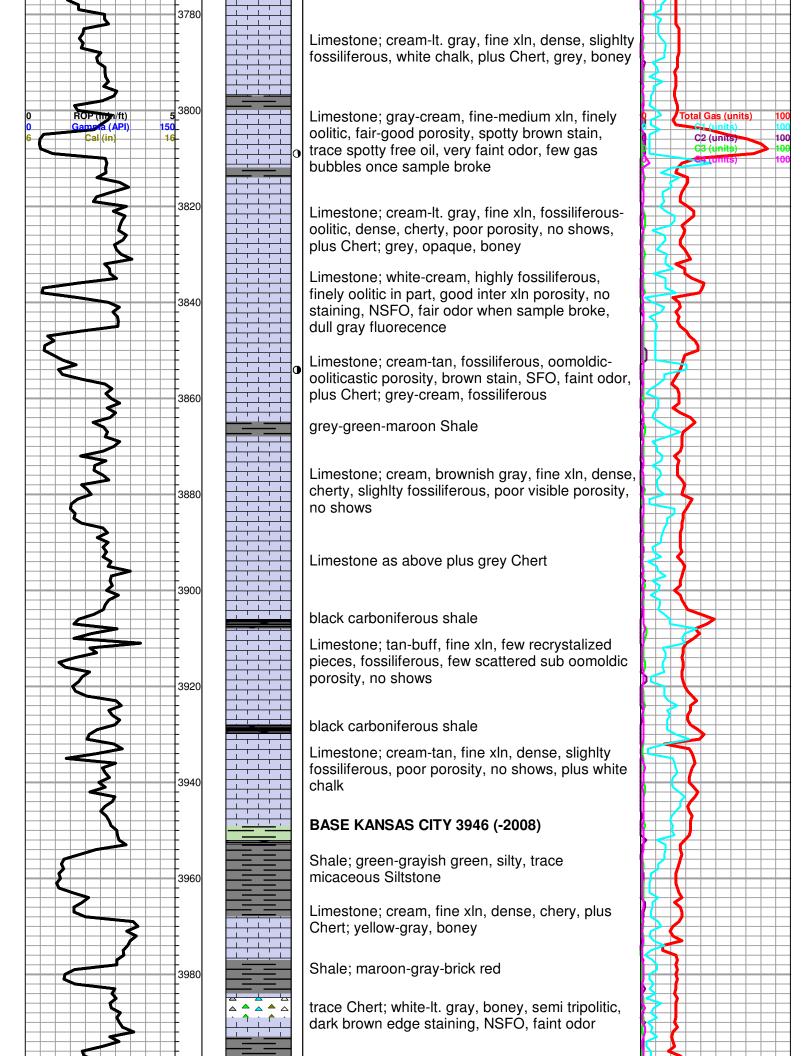
Limestone; tan-cream, fine xln, dense, few vuggy porosity, fossiliferous in part, no shows

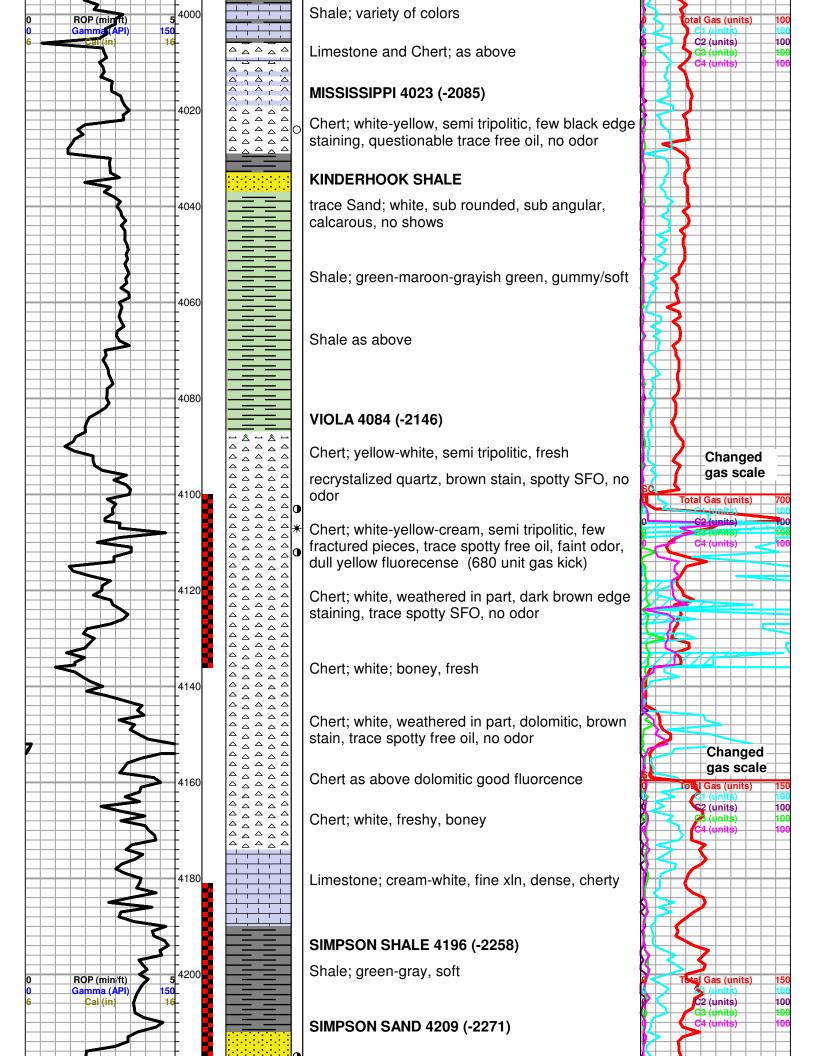
Limestone; lt. gray, fine xln, sparry calcite inclusions, fossiliferous, cherty, poorly developed porosity, no shows

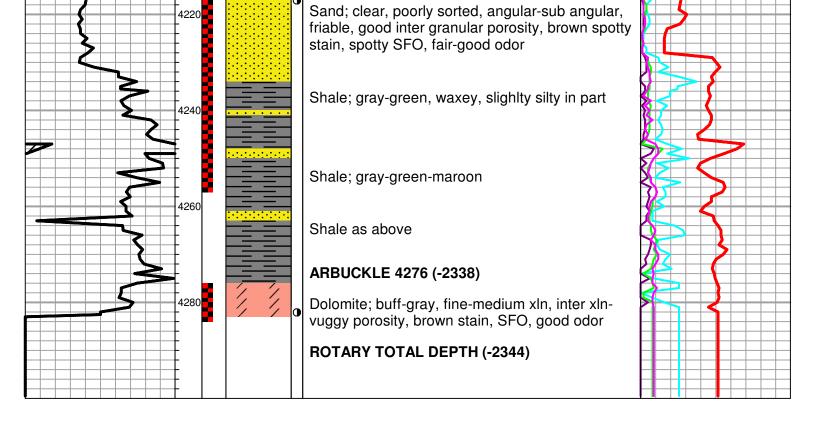
trace black carboniferous shale

Limestone; cream, highly fossiliferous/oolitic, scattered porosity, no shows, plus Chert; cream, boney

Limestone; as above plus Chert; gray boney



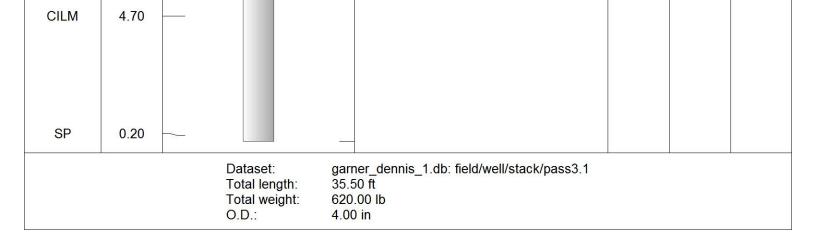


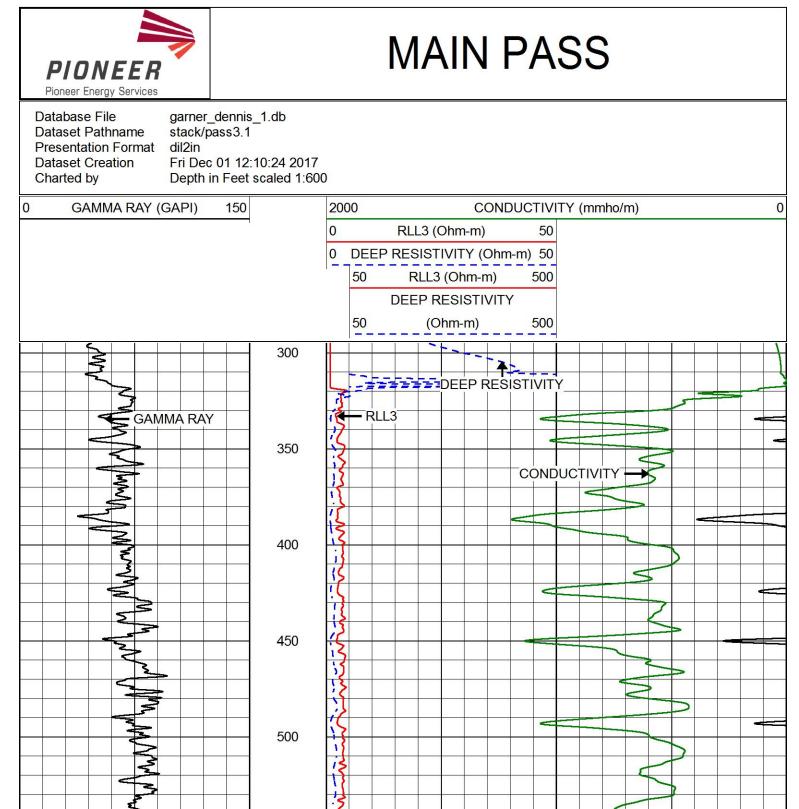


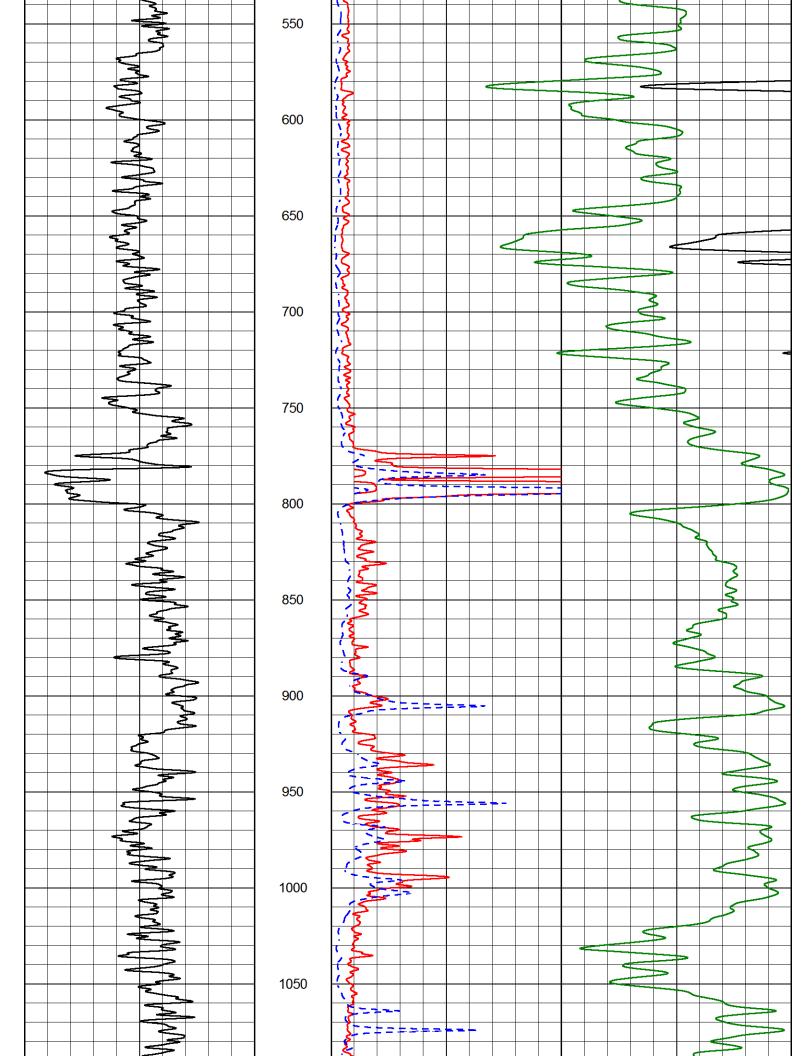
PIONEER Pioneer Energy Services				JCTION	LC cannot and does not or any loss, costs, damages, or employees.		nt Datum		nessed By RNER GARNER
C.	Company Well	THO	THOMAS GARNER, INC. DENNIS NO. 1	Ċ	onsible for		manent		<u>′as Witn</u> M GARN
	Field	LEIS	LEISS NORTHWEST		or resp		Per		
1	County	STAF	STAFFORD State	KANSAS	liable of		oove	58	
NO. ORT RD	Location:	-	API #: 15-185-24005-00-00	Other Services	otbe		t. At	5-38	
IOMAS INNIS ISS N AFFO INSAS		416' I	416' FSL & 1733' FEL	CNL/CDL	C will n		3 Ft	5-625	
DE LE ST,	SEC	<b>1</b> 5	TWP 25S RGE 13W	MEL/BHCS	s, LL(	SAS	1;	785	
Compar Well Field County State	Permanent Datum Log Measured From Drilling Measured From	m From	GROUND LEVEL Elevation 19 KELLY BUSHING KELLY BUSHING	1927' Elevation D.F. N/A G.L. 1927'	ne Service nterpretat	BLE C KANS TH, 1/2	3	NEER	Prima
		21'	12/1/2017		irelii any i	ILA HN	NG	PIC	
Run Number		0	ONE		er W om a	/Al JO	HI	G F	
Depth Driller		42	4282'		g fro	A\ T	JS	IN	
Bottom Logged Interval	<u>a</u>	42	4273'		d Pic	S	B	US	W
Top Log Interval		30	300'		an		LY	R	re
Casing Driller		8.625" (	@ 321'		ion,		EL	0	s C
Casing Logger		ယ္	318'		etat		KI	J F	ces
Bit Size		CHE / 2	7.875" CHEMICAI		erpr		m:		rvi
Salinity,ppm CL		88	8800		y in		ro	<u>۲</u>	
Density / Viscosity		9.1	73		of ar		d F		
PH / Fluid Loss		10.0			SS (		Ire		
Rm @ Meas. Temp		.35 (	5 @ 66		ctne		asu		
Rmf @ Meas. Temp					orre		<b>/</b> lea		
Rmc @ Meas. Temp		.47 (	@ 66		or c		g N		
Source of Rmf / Rmc		CH			s ar		_0		
Rm @ BHT		.19 (	@ 119		tion cura		L		
Max Rec. Temp. F		4 HC	4 HOURS		e aco				ou er:
Equipment Number		-	108		iterp				
Location		HA	HAYS		MI in				ng
Recorded By		J. HENF	2		A				Е
vviulessed by					g				

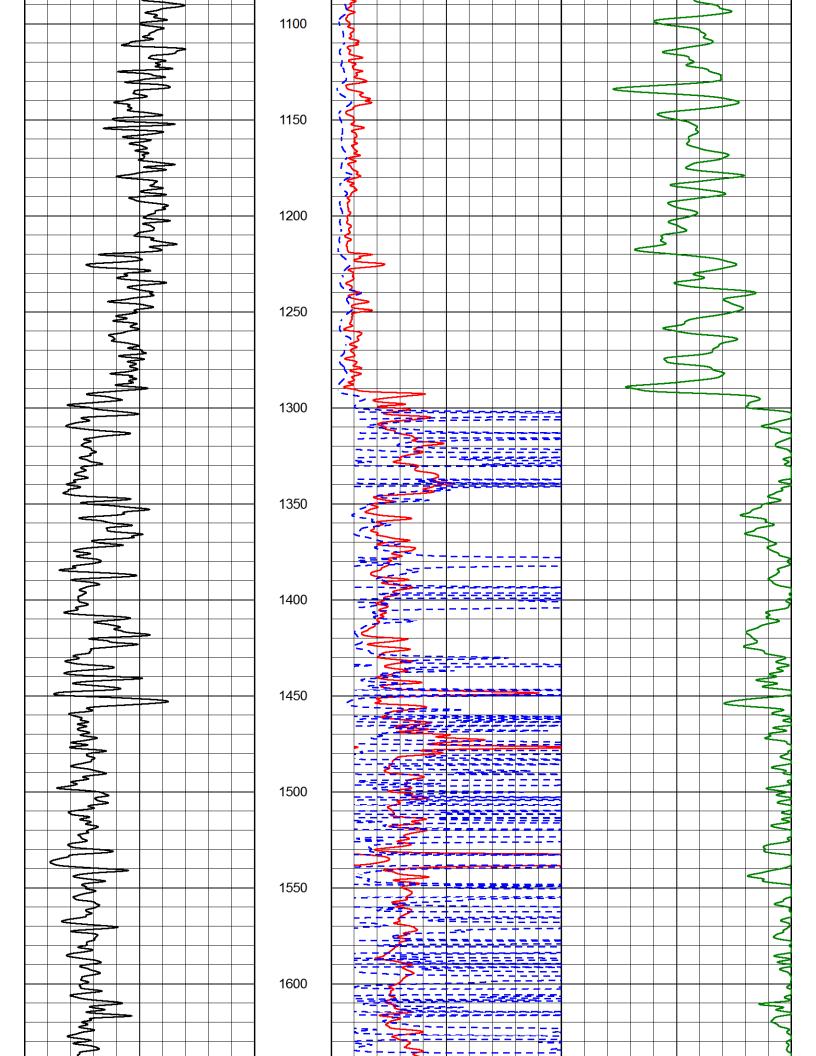
Log Vari		DatabaseC:\Prog Dataset field/we			dennis_1.db		
		_	Тор -	Bottom			
А	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	М	MATRXDEN g/cc
1 7.875		100	5.5	0	1	2	2.71
NPORSEL PERFS		SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	-210	0	Off	0

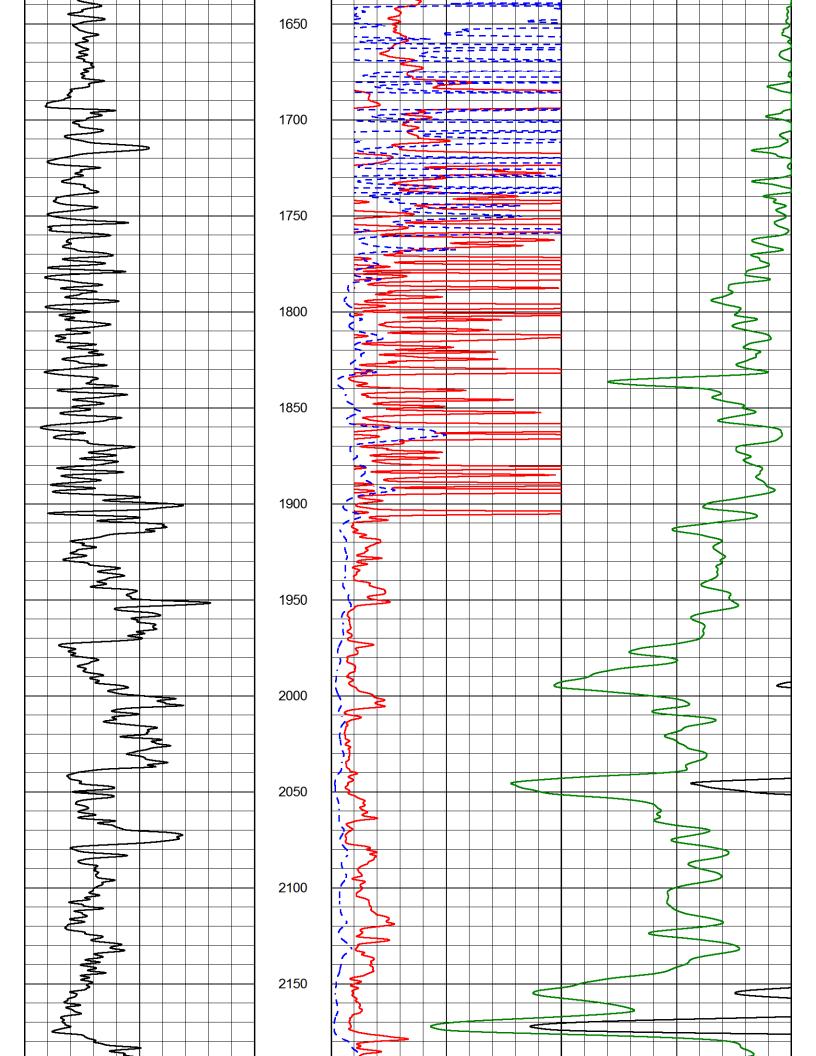
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (Ib
GR	33.00 —		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	29.90 — 29.15 —		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	20.85 20.83 20.35		——CDL-M&W (168-986)	8.50	4.00	250.00
RLL3 RLL3F	15.80 15.79					
CILD	8.00 —		——DIL-M&W (1987)	18.50	3.50	220.00

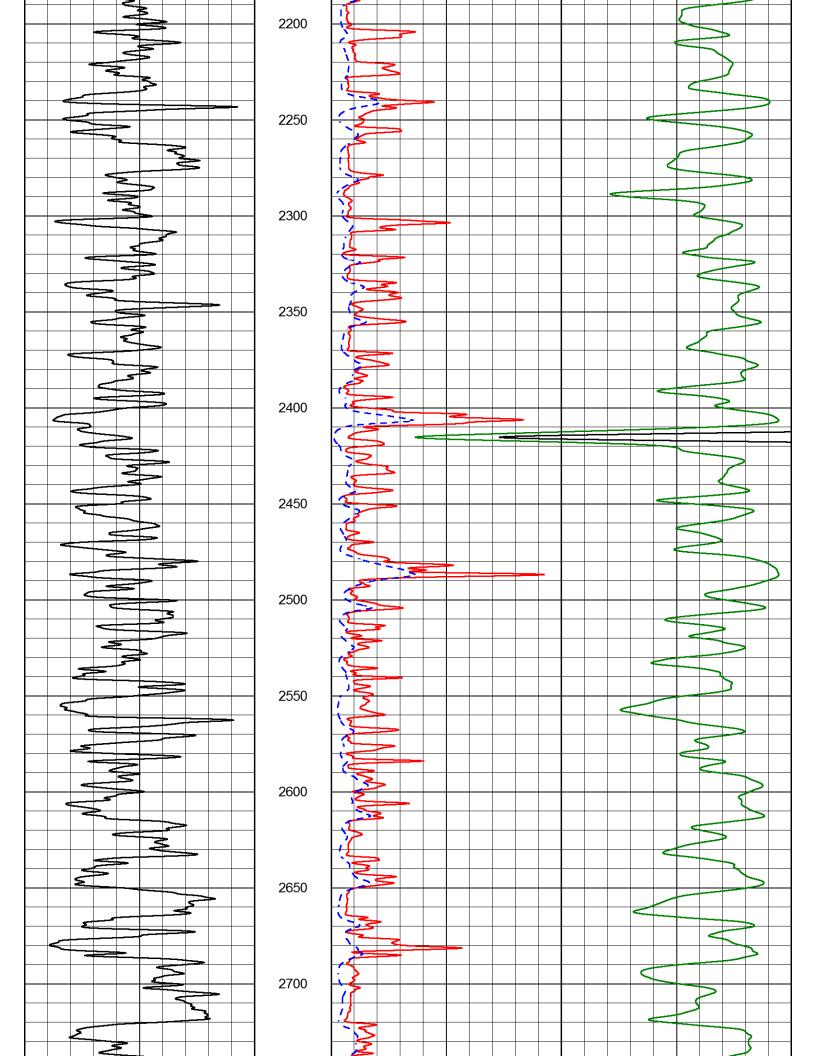


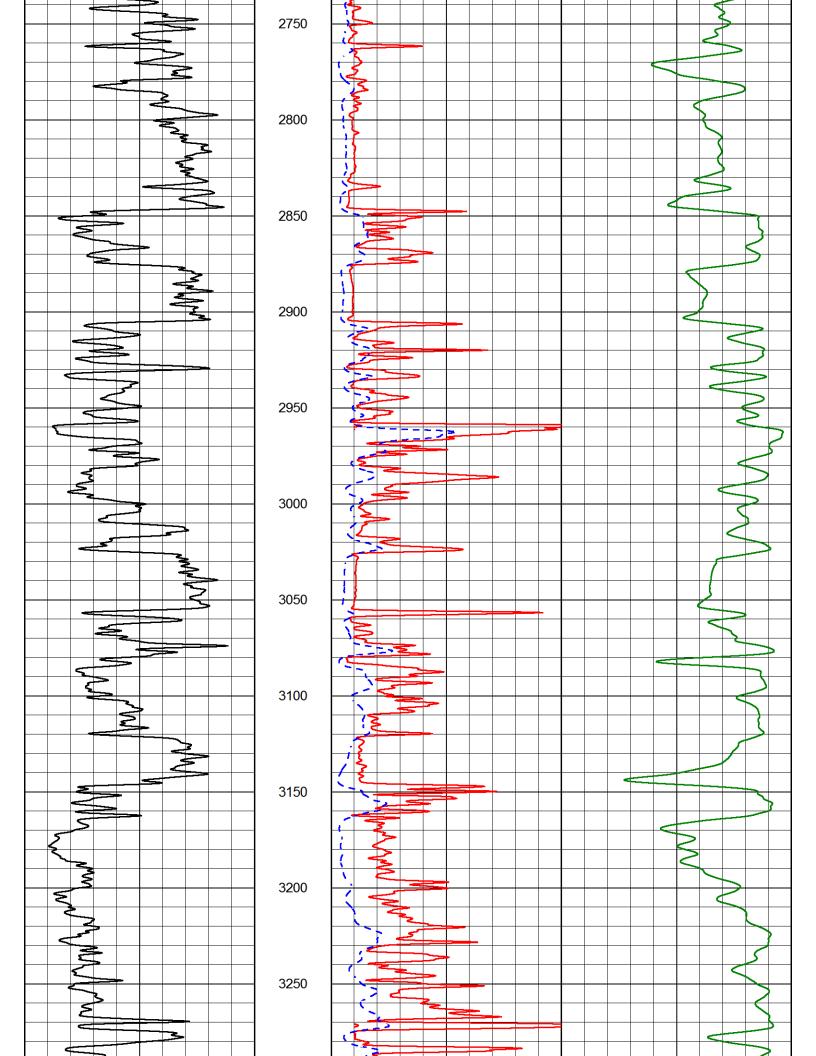


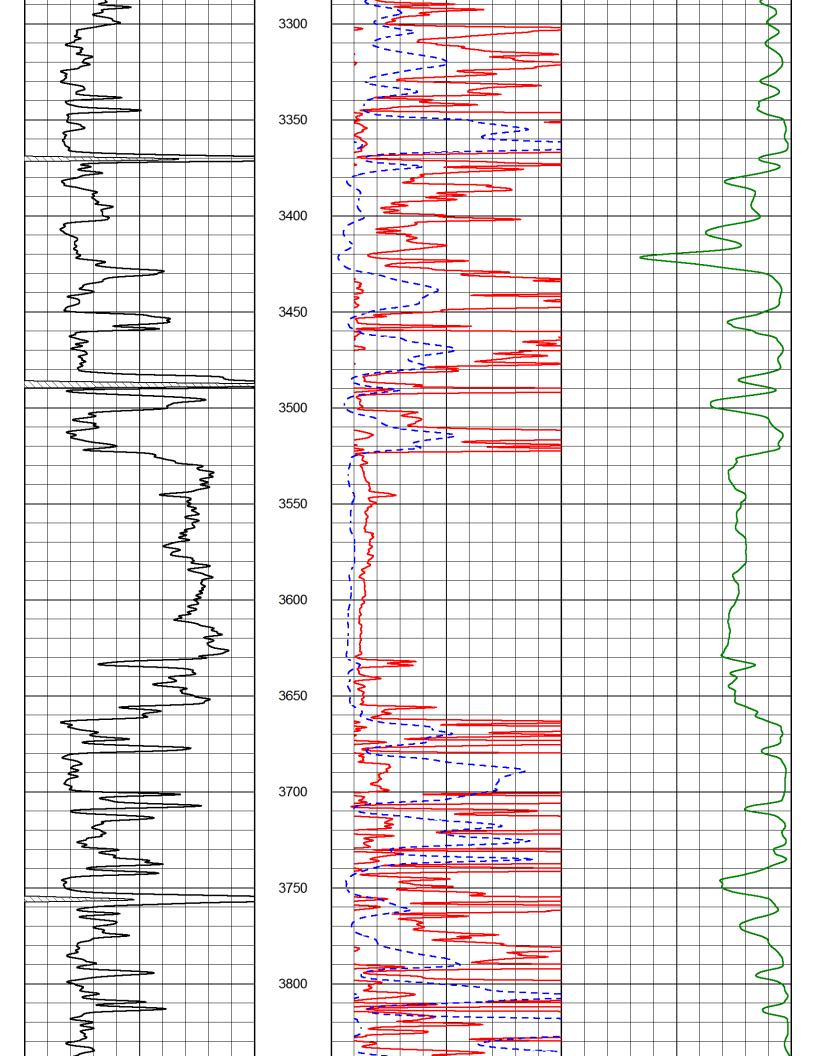




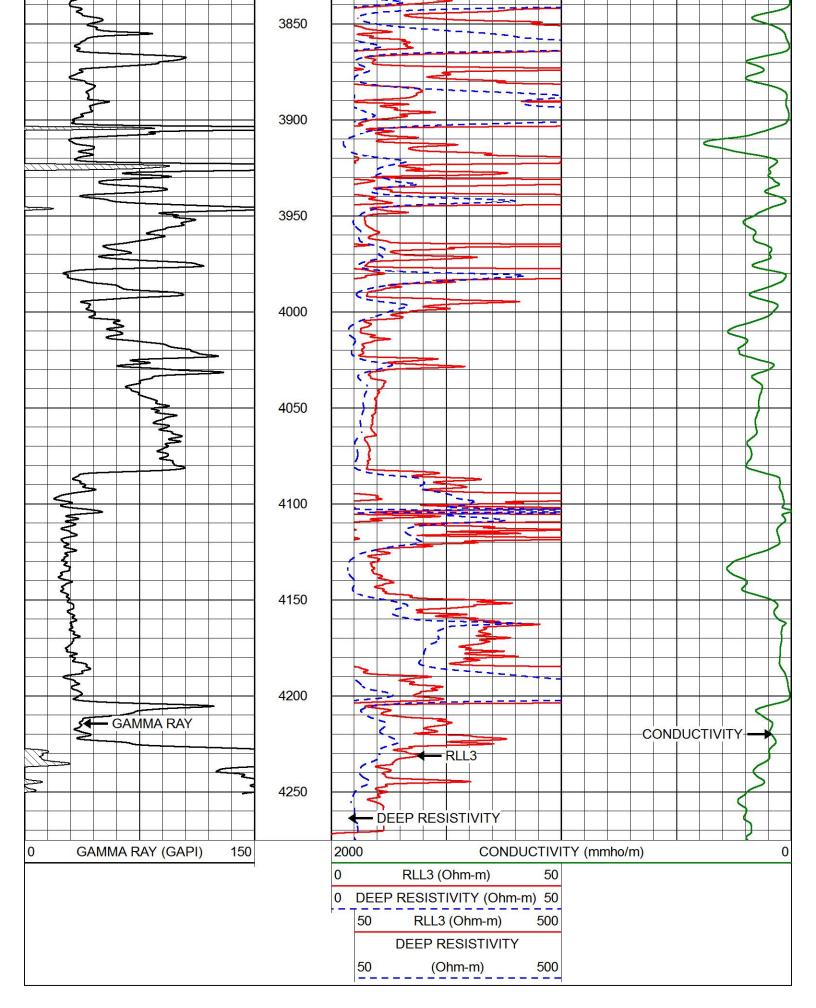








# MAINI DACC



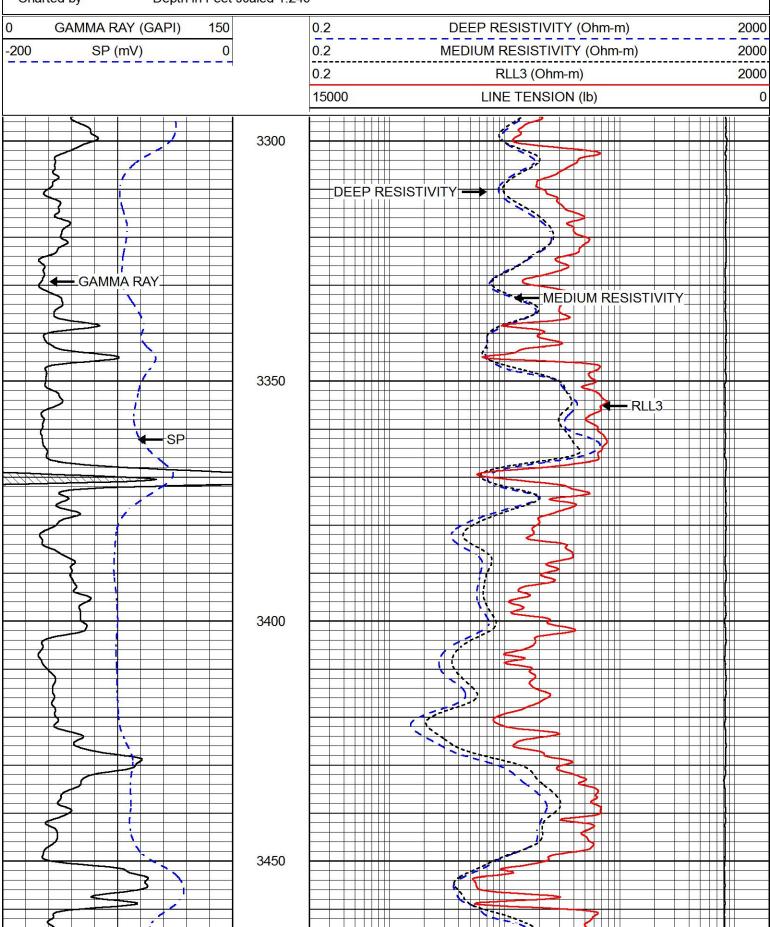


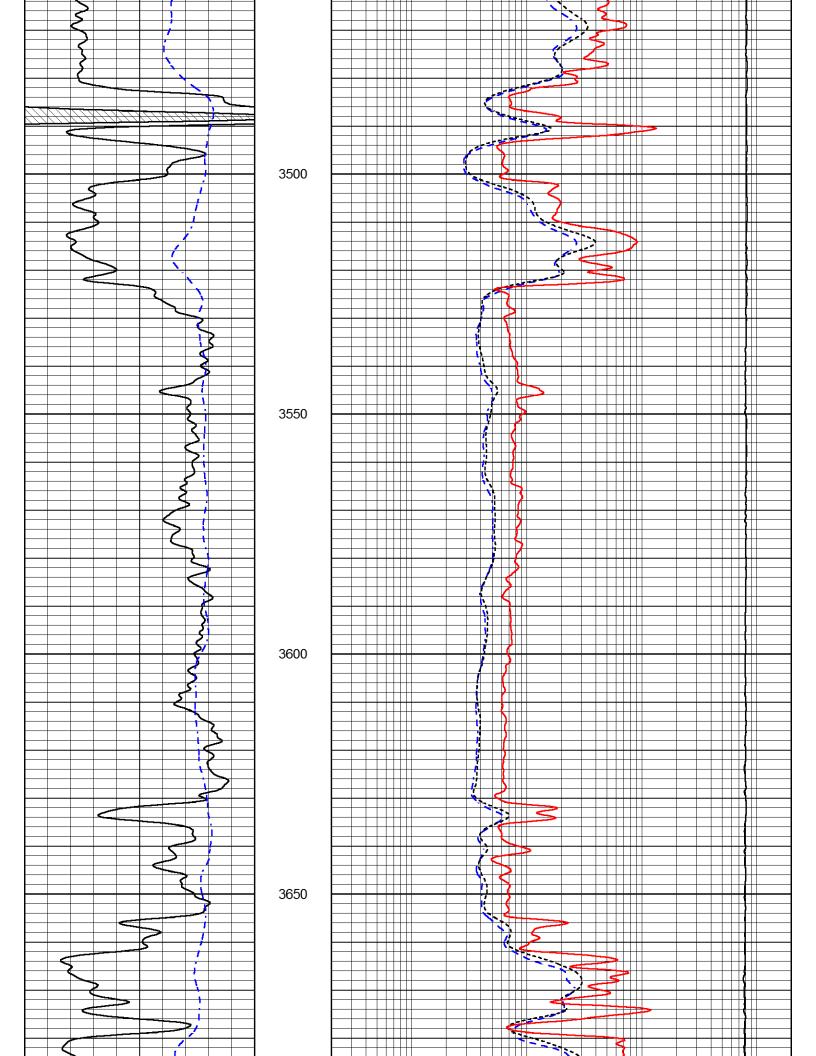


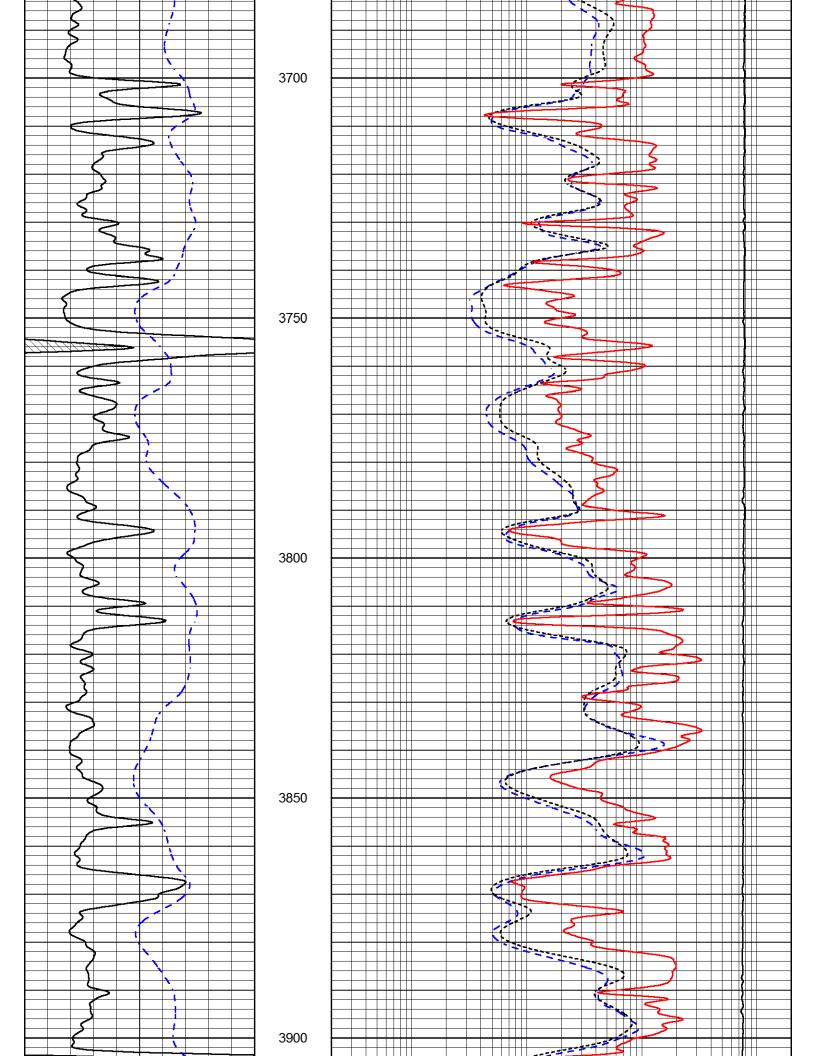
# MAIN FASS

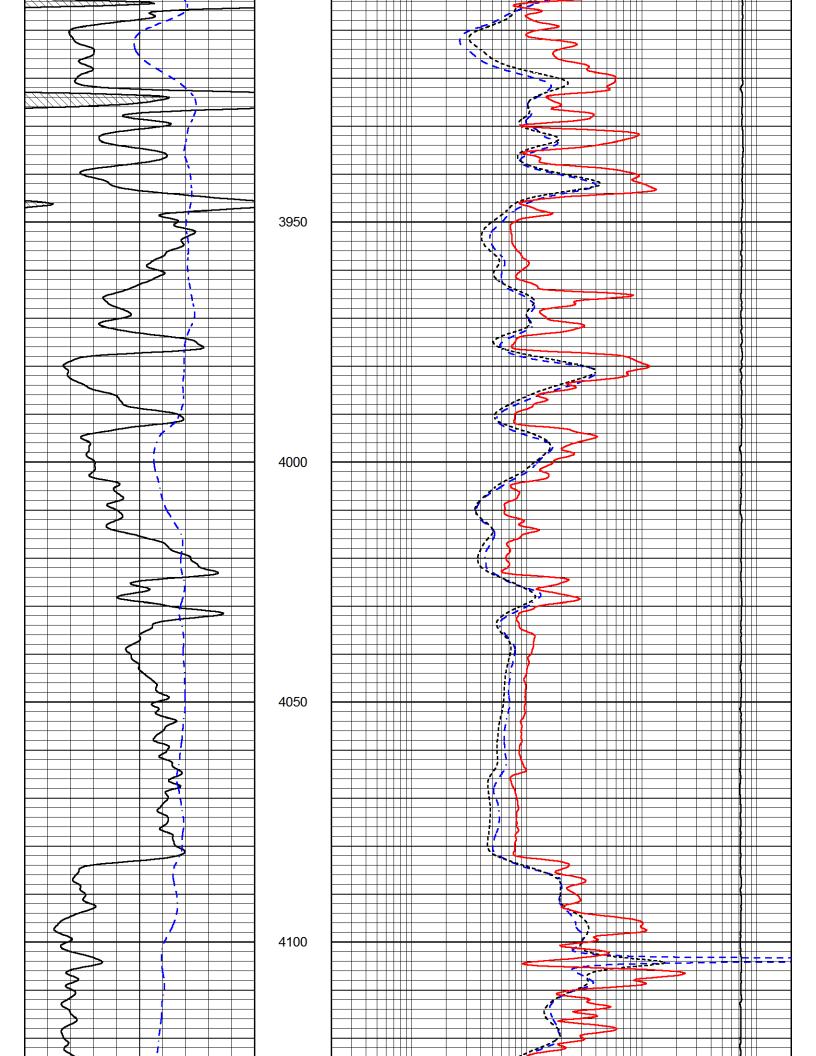
Database File Dataset Pathname Presentation Format **Dataset Creation** Charted by

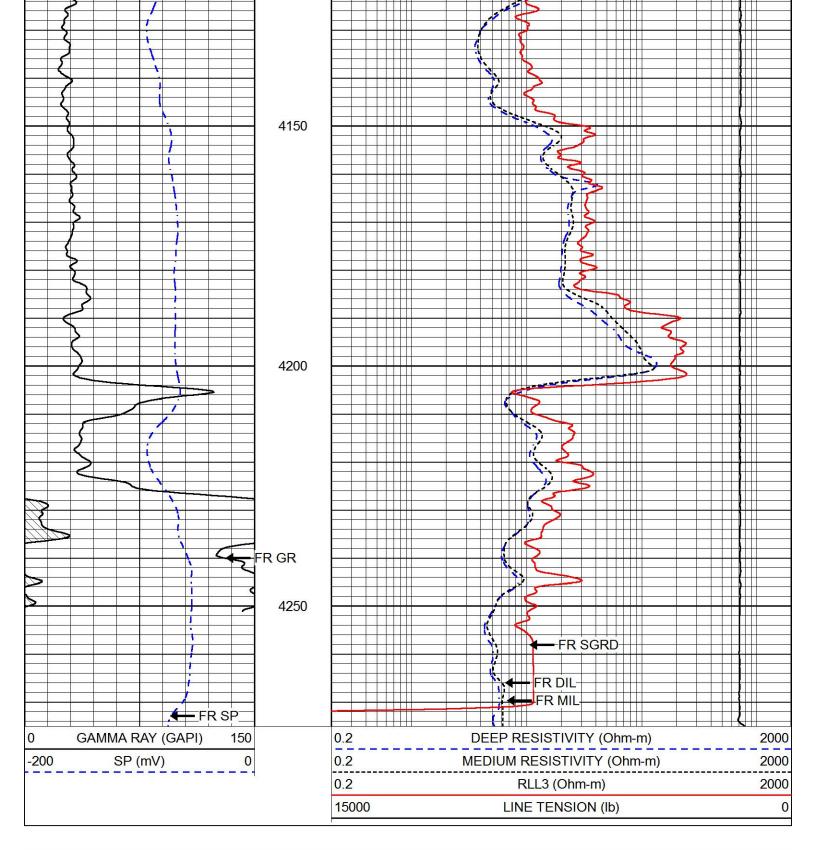
garner\_dennis\_1.db stack/pass3.1 dil Fri Dec 01 12:10:24 2017 Depth in Feet scaled 1:240



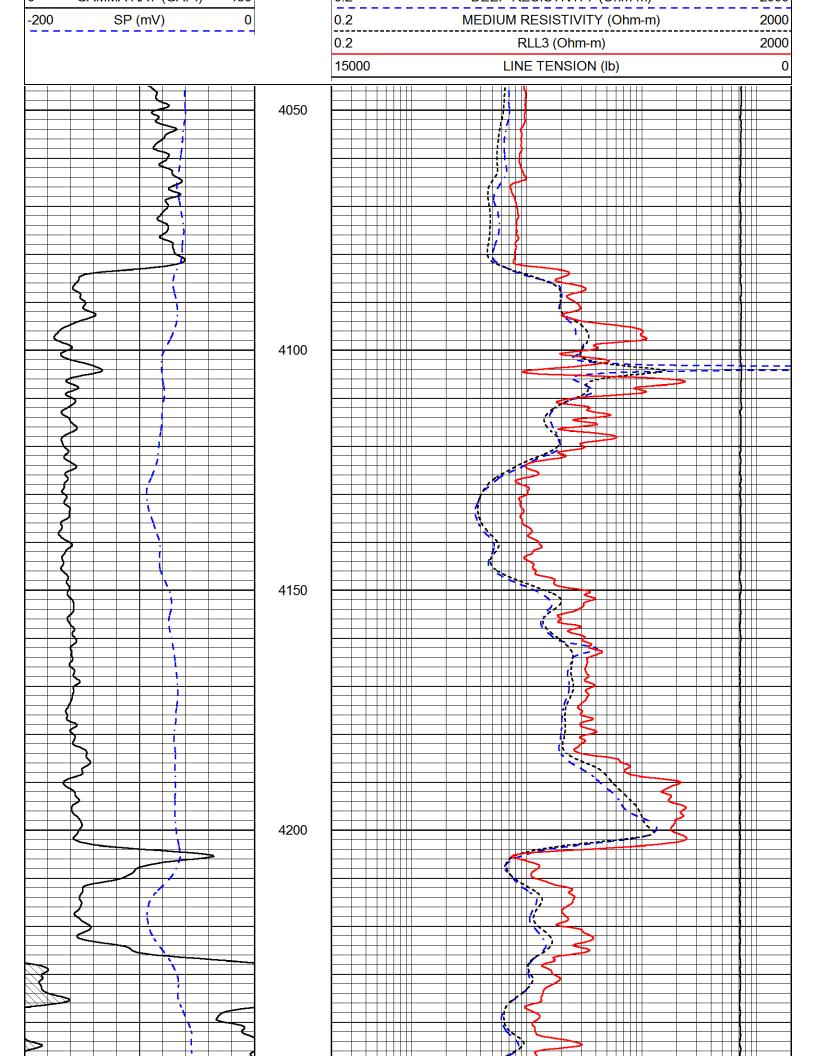


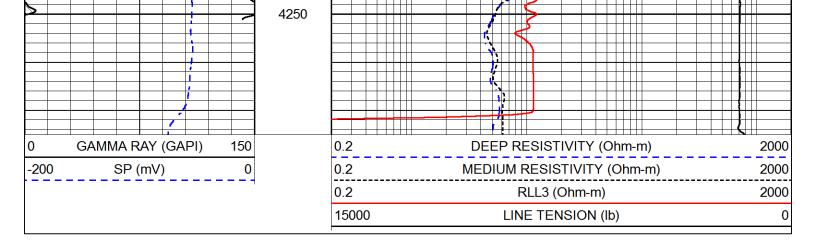






PIONEER Pioneer Energy Services			REI	PEAT SECTION	
Database File Dataset Pathname Presentation Format Dataset Creation Charted by	stack/p dil Fri Dec	_dennis_1.db bass2.1 01 12:10:36 201 in Feet scaled 1:2			
0 GAMMA RAY (	GAPI)	150	02	DEEP RESISTIVITY (Ohm-m)	2000





Database File Dataset Pathname Dataset Creation	stack/pa	dennis_1.db iss3.1 01 12:10:24 2	Calibration	n Repo	rt			
	THECO	01 12.10.242	Dual Induction Ca	libratio	on Report			
		-Model: ation Perform		1	987-M&W ue Apr 11 17	:07:38 2017		
		Readings			References		Res	ults
Loop:	Air	Loop	A	ir	Loop		Gain	Offset
Deep Medium	178.615 161.982	710.235 1441.110		0.000 0.000	255.800 255.800	mmho/m mmho/m	0.560 0.440	-36.500 -110.500
			Compensated Density	y Calib	ration Report			
	Sourc	-Model: e / Verifier: r Calibration	Performed:	/	68-986-M&W <sup>-</sup> ue Apr 11 17			
Master Calibratio	n							
		Density		F -	ar Detector	Near Detecto	r	
Magnesium Aluminum		1.755 2.700	g/cc g/cc		4691.86 859.57	4818.19 3020.22		
		Spine Angle	= 74.61	Ľ	Density/Spine	Ratio = 0.537		
		Size			Reading			
Small Ring Large Ring		4.00 14.00	in in	-	1.03 1.23			
			Compensated Neutro	n Calib	ration Report			
			Serial Number: Tool Model: Calibration Performe	Ν	k10-MW /&W Ved Nov 16 1	1:21:36 2016		
De	etector		Readings	Targ	et	Normalizatio	on	

Short Space	6240.00 cps	1000.00 cps	1.6025	
Long Space	460.00 cps	1000.00 cps	1.9500	
	Gamma Ray	Calibration Report		
Serial Number:	89-M&W			
Tool Model:	M&W			
Calibration Performed:	Tue Apr 11	17:08:01 2017		
Calibrator Value:	1000.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	6.2	cps		
Sensitivity:	0.5200	GAPI/cps		

	Company	THOMAS GARNER, INC.
	Well	DENNIS NO. 1
	Field	LEISS NORTHWEST
PIONEER	County	STAFFORD
Pioneer Energy Services	State	KANSAS

O ATTN:

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1001584	1718	11/30/2017
	INVOIC	E NUMBER	
	925	79576	

	Pratt	(620)	672-1201
1	GARNER THOMAS E. 305 E 7TH AVE SAINT JOHN		
-	KS US 67576	1	
1	<u>አ ምምእ</u> •	ACCOUNTS	PAYABLE

1				
J	LEASE NAME	Dennis	1	
0	LOCATION			
В	COUNTY	Stafford		
s	STATE	KS		2.12
I T	JOB DESCRIPTION	Cement-N	ew Well	Casing/Pi
Ē	JOB CONTACT			

DUE DATE TERMS PURCHASE ORDER NO. EQUIPMENT # JOB # 12/30/2017 Net - 30 days 20920 41072461 INVOICE AMOUNT UNIT PRICE U of OTY м For Service Dates: 11/24/2017 to 11/24/2017 0041072461 171816139A Cement-New Well Casing/Pi 11/24/2017 Cement Surface 2,160.00 T 7.20 300.00 EA 60/40 POZ 168.72 T 2.22 76.00 ΕA 487.62 T Celloflake 0.63 774.00 ΕA Calcium Chloride 96.00 96.00 1.00 ΕA "Wooden Cmt Plug, 8 5/8""" 54.00 2.70 20.00 MI "Unit Mileage Chg (PU, cars one way)" 180.00 4.50 40.00 MI Heavy Equipment Mileage 387.00 1.50 258.00 EΑ Proppant & Bulk Del. Chgs., per ton mil 252.00 0.84 300.00 BAG Blending & Mixing Service Charge 150.00 150.00 ΕA 1.00 Plug Container Util. Chg. 600.00 600.00 1.00 ΕA Depth Charge; 0-500' 105.00 105.00 1.00 EA "Service Supervisor, first 8 hrs on loc. SEND OTHER CORRESPONDENCE TO: PLEASE REMIT TO: 4,640.34 SUB TOTAL BASIC ENERGY SERVICES, LP BASIC ENERGY SERVICES, LP 211.23 TAX 801 CHERRY ST, STE 2100 FORT WORTH, TX 76102 PO BOX 841903 DALLAS,TX 75284-1903 4,851.57 INVOICE TOTAL

<b>(B)</b>	BA	SIC
	ENERGY	SERVICES

Well Casing/Pi

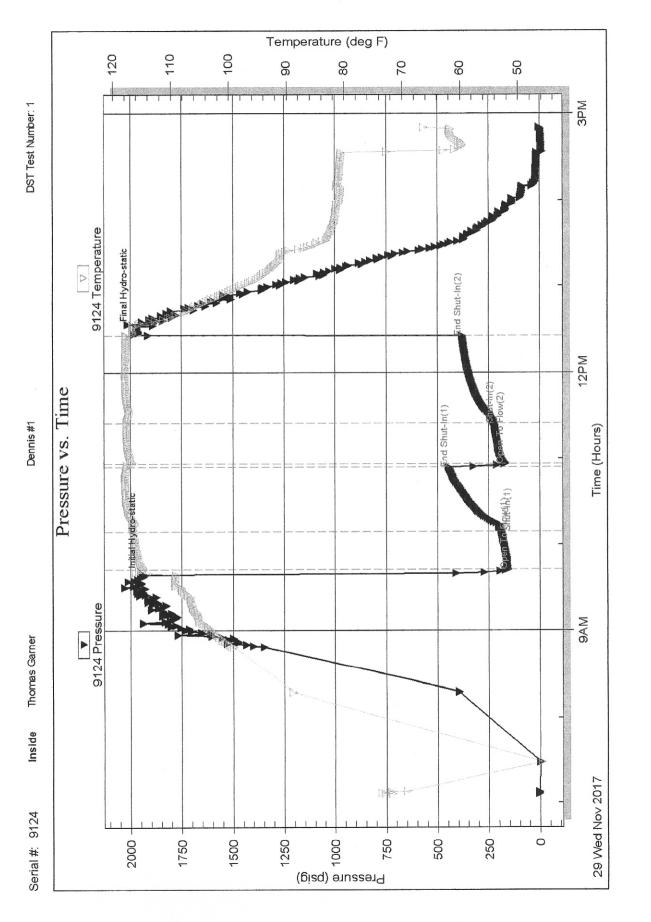
Pratt	(620)	672-1201
B GARNER THOMAS E. I 305 E 7TH AVE L SAINT JOHN		
KS US 67576		

B	LOCATION	
D	COUNTY	Stafford
S	STATE	KS
Ť	JOB DESCRIPTION	Cement-New
Е	JOB CONTACT	

T ACCOUNTS PAYABLE

JOB #	EQUIPMENT #	PURCHASE	ORDER NO.		TERMS	DUE DATE
41074078	86779				Net - 30 days	01/06/2018
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Date	es: 12/02/2017 to	12/02/2017				
0041074078						
171816144A Cer Cement-5 1/2" Pr	ment-New Well Casing/ roduction Casing	Pi 12/02/2017				
AA2 Cement			150.00	EA	9.35	1,402.50
60/40 POZ			50.00	EA	6.60	330.00
	er Type, 5 1/2"" (Blue		1.00	EA	1,540.00	
	ug & Baffle, 5 1/2"" (E	3lu	1.00		220.00	
"Turbolizer, 5 1/2			7.00		60.50	
"5 1/2"" Basket	(Blue)"		1.00		159.50	
Mud Flush			1,000.00		0.83	
	g (PU, cars one way)"		20.00		2.48	
Heavy Equipment			40.00		4.13	
	Del. Chgs., per ton mil		183.00		1.37	
Depth Charge; 40			1.00		1,386.00	
Blending & Mixing			200.00		0.77	
Plug Container Ut	or, first 8 hrs on loc.		1.00		137.50 96.26	
Service Supervisi	or, mist o mis on loc.		1.00	EA	90.20	90.2
			к.			
					N	
					10	
				N )		
				W		
PLEASE REMIT		ND OTHER CORRES		):	SUB TOTAL	7,140.38
BASIC ENERGY PO BOX 841903		SIC ENERGY SERV 1 CHERRY ST, SI			TAX	191.81
DALLAS, TX 752		RT WORTH, TX 76		T 1 T 7		
				TIMA	OICE TOTAL	7,332.19

		· · · · · · · · · · · · · · · · · · ·					
RILOBITE	DRILL STEM	TEST REF	ORT				
	Thomas Garner		1	5/255/13	N Stafford	I, KS	
ESTING , INC			D	ennis #1			
				b Ticket: 62	2013	DS	T#: 1
	ATTN:		Te	est Start: 20	017.11.29 @	07:06:	00
GENERAL INFORMATION:							
Formation: Viola							
Deviated: No Whipstock: Time Tool Opened: 09:42:20	ft (KB)				Conventional		n Hole (Initial)
Time Test Ended: 14:50:09					Jimmy Rickett 80	ts	
Interval: 4100.00 ft (KB) To 4	135.00 ft (KB) (TVD)		Re	eference Ele	evations:	1938	.00 ft (KB)
Total Depth: 4135.00 ft (KB) (T Hole Diameter: 7 88 inchesHol	VD) le Condition: Fair					1927	.00 ft (CF)
				KB te	o GR/CF:	11	.00 ft
Serial #: 9124InsidePress@RunDepth:221.98 psig	@ 4101.00 ft (KB)		0				
Start Date: 2017.11.29	End Date:	2017.11.29	Capacit Last Ca		1	8000 899.12	.00 psig 30
Start Time: 07:06:00	End Time:	14:50:09	Time On		2017.11.29 @		
			Time Of		2017.11.29 @		
IO - O INCLUIOW	back during initial shut-in perio	das to surface 6 l	minutes into	Initial flow	period.		
FF - Strong blow FS - 5 inch blow	<ul> <li>back during initial shut-in period.</li> <li>throughout final flow period.</li> <li>back during final shut-in period.</li> </ul>	od.			c		
FF - Strong blow	<ul> <li>back during initial shut-in period.</li> <li>throughout final flow period.</li> <li>back during final shut-in period.</li> </ul>	od.	P	RESSURI	E SUMMA		
FF - Strong blow FS - 5 inch blow FS - 5 inch blow Pressure vs. T	back during initial shut-in period. throughout final flow period. back during final shut-in period.	od. ⊃d. _ ∞ Time (Min.)	P Pressure (psig)		c		
FF - Strong blow FS - 5 inch blow FS - 5 inch blow Pressure vs. T	back during initial shut-in period. throughout final flow period. back during final shut-in period.	od. - 120 Time (Min.) - 110 0	P Pressure (psig) 1928.22	RESSUR Temp (deg F) 109.18	E SUMMA Annotation Initial Hydro-s	static	
FF - Strong blow FS - 5 inch blow FS - 5 inch blow Pressure vs. T	back during initial shut-in period. throughout final flow period. back during final shut-in period.	od. ⊃d. _ ∞ Time (Min.)	P Pressure (psig)	RESSUR Temp (deg F) 109.18 114.83	E SUMMA Annotation Initial Hydro-s Open To Flov	static	
FF - Strong blow FS - 5 inch blow Pressure vs. T	back during initial shut-in period. throughout final flow period. back during final shut-in period.	od. - 120 Time (Min.) - 110 0 - 100 5 - 100 32 76	P Pressure (psig) 1928.22 153.60 185.83 444.21	RESSUR (deg F) 109.18 114.83 116.48 117.66	E SUMMA Annotation Initial Hydro- Open To Flov Shut-In(1) End Shut-In(1	static w (1) 1)	
Pressure vs. T	back during initial shut-in period. throughout final flow period. back during final shut-in period.	od. - 120 Time (Min.) - 110 0 - 100 5 - 100 32 76	P Pressure (psig) 1928.22 153.60 185.83 444.21 170.57	RESSURI (deg F) 109.18 114.83 116.48 117.66 116.69	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(7 Open To Flov	static w (1) 1)	
FF - Strong blow FS - 5 inch blow FS - 5 inch blow Pressure vs. T	back during initial shut-in period. throughout final flow period. back during final shut-in period.	200. 201. - 102 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 5 - 322 - 76 - 79 - 79 - 79 - 79 - 79 - 709 - 107 - 10	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(7 Open To Flov Shut-In(2)	static w (1) 1) w (2)	
Pressure vs. T	back during initial shut-in period. throughout final flow period. back during final shut-in period.	od. - 122 Time (Min.) - 110 0 - 100 5 - 100 322 - 76 79 ∞ 107	P Pressure (psig) 1928.22 153.60 185.83 444.21 170.57	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(7 Open To Flov	static w (1) 1) w (2) 2)	
FF - Strong blow FS - 5 inch blow Pressure vs. T	Provide a state of the state of	ad. ad. ad. Time (Min.) and (Min.) ad. ad. Time (Min.) ad. ad. ad. ad. ad. ad. ad. ad.	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(1) Open To Flov Shut-In(2) End Shut-In(2)	static w (1) 1) w (2) 2)	
Pressure vs. T	Time	200. 201. 201. 2010	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(1) Open To Flov Shut-In(2) End Shut-In(2)	static w (1) 1) w (2) 2)	
FF - Strong blow FS - 5 inch blow	Time	200. 201. 201. 2010	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(1) Open To Flov Shut-In(2) End Shut-In(2)	static w (1) 1) w (2) 2)	
FF - Strong blow FS - 5 inch blow Pressure vs. T	Throughout final shut-in period.     throughout final flow period.     back during final shut-in period	200. 201. 201. 2010	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(1) Open To Flov Shut-In(2) End Shut-In(2)	static w (1) 1) w (2) 2)	
FF - Strong blow FS - 5 inch blow Pressure vs. T Tressure vs. T 000 100 100 100 100 100 100 10	Throughout final shut-in period.     throughout final flow period.     back during final shut-in period	200. 201. 201. 2010	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74 116.57	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(1) Open To Flov Shut-In(2) End Shut-In(2)	static w (1) 1) w (2) 2)	
FF - Strong blow FS - 5 inch blow Pressure vs. T Trong Hause Trong Hause Length (ft) Description	Volume (bbl)	ad. - 422 - 422 - 410 - 110 - 100 - 76 - 79 - 107 - 108 - 107 - 107 - 108 - 107 - 108 - 107 - 107 - 108 - 173 	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62 1966.98	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74 116.57	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-s	static w (1) 1) w (2) 2) static	Gas Rate (Mcf/d)
FF - Strong blow FS - 5 inch blow Pressure vs. T The frequence The frequence T	Volume (bbl)	ad. - 120 - 107 - 168 - 173 - 20 - 20	Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62 1966.98 Rate	RESSUR Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74 116.57 Gas Chole (incl 0.2	E SUMMA Annotation Initial Hydro-: Open To Flov Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-s	static w (1) 1) w (2) 2) static	Gas Rate (Mcf/d) 33.95
FF - Strong blow FS - 5 inch blow Pressure vs. T Trong blow Pressure v	Volume (bbl)	ad. - 422 - 422 - 410 - 110 - 100 - 76 - 79 - 107 - 108 - 107 - 107 - 108 - 107 - 108 - 107 - 107 - 108 - 173 	P Pressure (psig) 1928.22 153.60 185.83 444.21 170.57 221.98 377.62 1966.98 1966.98 Rate Rate	RESSURI Temp (deg F) 109.18 114.83 116.48 117.66 116.69 117.66 117.74 116.57	E SUMMA Annotation Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-s	static w (1) 1) w (2) 2) static	



Printed: 2017.11.29 @ 15:30:20

Ref. No: 62013

Trilobite Testing, Inc

# DRILL STEM TEST REPORT

Thomas Garner

ATTN:

#### 15/25S/13W Stafford, KS

Dennis #1

Job Ticket: 62013 DST#:1

Test Start: 2017.11.29 @ 07:06:00

### **Gas Rates Information**

Temperature:59 (deg F)Relative Density:0.65Z Factor:0.8

RILOBITE

ESTING , INC.

Gas Rates Table

Flow Period	Bapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	16	0.25	7.00	33.95
1	26	0.25	6.50	33.16
1	30	0.25	6.00	32.36
2	10	0.13	9.30	8.87
2	20	0.13	11.00	9.51
2	30	0.13	11.90	9.84

**GAS RATES** 

<i>(</i> <b>1)</b> , <b>(</b>		DRIL	L STEM TES	ST REPORT	5 5	FL	JID SUMMARY
	RILOBITE ESTING,	Thomas		anna gilana an airin an	15/25S/13W	Stafford, KS	
No and a second	TECTING	INIC			Dennis #1		
	ESTING,	INC			Job Ticket: 620	13 D	ST#:1
							3.00
150		ATTN:			Test Start: 20	7.11.29 @ 07:0	
uh - all			ay an ann an ann an ann an ann an ann an				
Mud and	Cushion Informat	101	Cushion Type:		C	Dil API:	38.6 deg API
	Gel Chem		Cushion Length	n:	ft V	Vater Salinity:	ppm
Mud Weight:	9.00 lb/gal 54.00 sec/qt		Cushion Volum		bbi		
Viscosity: Water Loss:			Gas Cushion T				
Resistivity:	ohm.m		Gas Cushion P	ressure:	psig		
Salinity:	4900.00 ppm						
Filter Cake:	inches						
Recovery	Information		Descent	hle			
		and in space of the state of the	Recovery Ta	فليستحد ومرجا ورجار ومعاذ وينجر والمرجوع والمرجوعان والمرجوع ومرجوع ويتبار كروا والمناوين	Volume		
		Length ft	Description	1	bbi		
		315.00	Gassy oil cut mud 15	%G 17%M & 68%O	2.451		
		160.00	Gassy clean oil 100%	60	2.244		
	Total Ler	ngth: 475	5.00 ft Total Volur	me: 4.695 bbl			
		d Samples: 0	Num Gas E	Bombs: 0	Serial #:		
		ory Name:		y Location:			
	Recover	y Comments:					

Trilobite Testing, Inc

Printed: 2017.11.29 @ 15:26:42

8/12

RILOBITE ESTINGINC.

**Gas Volume Report** 

1515 Commerce Parkway · Hays, Kansas 67601

1	homas	Operator	ncr	)enn	is #1 Well Nan	ne and No.	DST No.
	ナ	E				Er	
Min.	PSIC	Orifice Size	CF/D	Min.	<del>lns of Wat</del> er PSI <b>©</b>	Orifice Size	CF/D
6			Gas to Surfari	10	9.3	,125	8900
16	7	,25	33,900	20	11,0	,125	9500
26	6.5	,25	33,200	30	11.9	.125	9800
26	60	:25	33,260 32,400				
			1				
te anna Athan anna de anna anna d							
Bacanders on Cognetion and A							
ector/analoconictuber							
Budgeotarisson and allow							
		ş.					
activation water fracts white					· ·		
Digeophica Constraints							
emploase armitecture							
			<u> </u>			1	

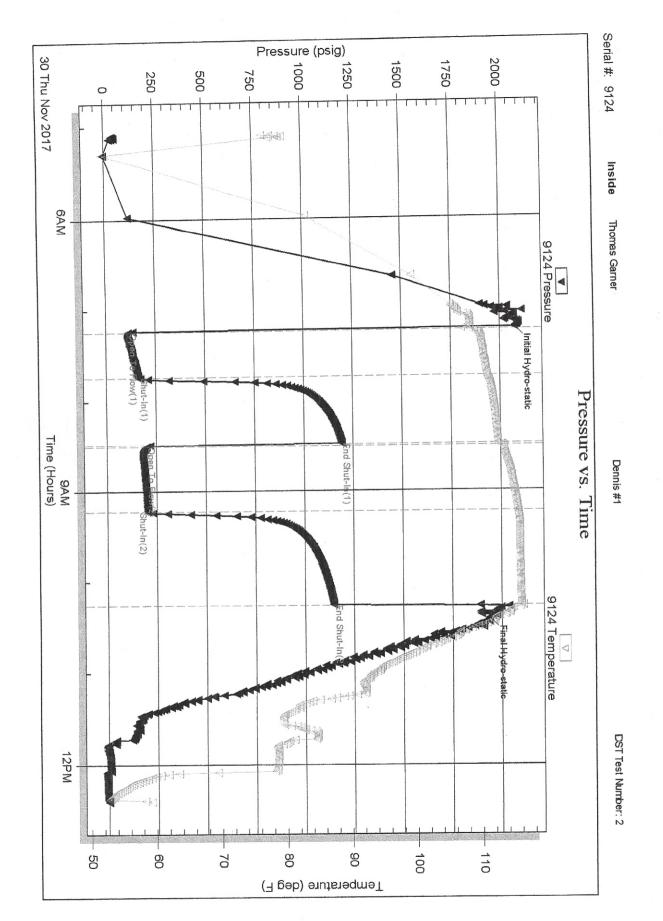
Remarks:

RILOBITE	DRILL STEM TE	ST REP	ORT				
	Thomas Garner		15	/258/13	N Stafford	, KS	
ESTING , INC	305 East 7th		De	ennis #1			
	St. John, KS 67576-1652		Job	Ticket: 6	2014	DST#: 2	
	ATTN: Tom Garner/Josh Aus	it	Tes	st Start: 20	017.11.30 @	05:06:02	
GENERAL INFORMATION:	er beford - P I drage for a school to come of a come constant to constant to constant to be a state in the process on the		inin minin an Aplitación de Salan a may a	anti Admontene Anno Anno An			
Formation: Simpson Sand							
Deviated: No Whipstock: Time Tool Opened: 07:14:22 Time Test Ended: 12:24:11	ft (KB)		Tes	ster:	Conventional Jimmy Rickett 80		e (Initial)
nterval: 4182.00 ft (KB) To 42	46.00 ft (KB) (TVD)		Ref	ference Be	evations:	1938.00	ft (KB)
otal Depth: 4246.00 ft (KB) (TV	(D)					1927.00	
lole Diameter: 7.88 inches Hole	Condition: Fair			KB	to GR/CF:	11.00	ft
erial #: 9124 Inside							
ress@RunDepth: 204.49 psig (	÷ ( )		Capacity			8000.00	psig
Start Date: 2017.11.30 Start Time: 05:06:02	End Date: End Time:	2017.11.30 12:24:11	Last Cal Time On			899.12.30	
COLUCION UD.UC.UZ		12.24.11	Time Off		2017.11.30 @ 2017.11.30 @		
	building to strong blow 20 minute	s into final flow	v period.				
FF - Weak blow b FS - 5 inch blow	back during final shut-in period.	s into final flow	-				energina trades englis doordonise in tea
FF - Weak blow b	back during final shut-in period.		P	Transfer of the local data	RE SUMMA		
FF - Weak blow b FS - 5 inch blow Pressure vs. Ti	back during final shut-in period.	Time (Min.)	-	RESSUF Temp (deg F)	RE SUMMA		
FF - Weak blow b FS - 5 inch blow Pressure vs. Ti 9t24Puster	back during final shut-in period.	Time (Min.) 0	P Pressure (psig) 2075.68	Temp (deg F) 108.33	Annotation	ı -static	
FF - Weak blow b FS - 5 inch blow Pressure vs. Ti 9154 Pressure 2000	PIPITER PARAMETER PERIOD	Time (Min.)	Pressure (psig)	Temp (deg F) 108.33 108.30	Annotation Initial Hydro Open To Flo	ı -static	
FF - Weak blow b FS - 5 inch blow Pressure vs. Th OfSi Presure 2000	PIPITERPERTURE	Time (Min.) 0 2 31 76	P Pressure (psig) 2075.68 111.55	Temp (deg F) 108.33	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In	1 -static ow (1) (1)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Tie 9124 Pressure 2000 1000 1000	PIPITERPERTURE	Time (Min.) 0 2 31 76	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06	Temp (deg F) 108.33 108.30 110.92 112.54 113.15	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-Ini Open To Flo	1 -static ow (1) (1)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Ti 905/8 Pressue 1000	PICHT TEMPERATURE	Time (Min.) 0 2 31 76 77 121	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2)	-static ww (1) (1) ww (2)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Ti OCAT Pressure 2000	Provide a constraint of the second se	Time (Min.) 0 2 31 76	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06	Temp (deg F) 108.33 108.30 110.92 112.54 113.15	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(1) Open To Flo Shut-In(2) End Shut-In(2)	n -static ww (1) (1) ww (2) (2)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Ti 9154 Pressure 1000 1000 1000 1000 1000 1000 1000 10	PICHT TEMPERATURE	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(1) Open To Flo Shut-In(2) End Shut-In(2)	n -static ww (1) (1) ww (2) (2)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Th OCH Presure 200 700 700 700 700 700 700 700 700 700	Provide a constraint of the second se	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(1) Open To Flo Shut-In(2) End Shut-In(2)	n -static ww (1) (1) ww (2) (2)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Tr 92vi Pressure 100 100 100 100 100 100 100 100 100 10	Pipi Temperatus	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(1) Open To Flo Shut-In(2) End Shut-In(2)	n -static ww (1) (1) ww (2) (2)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Te 9154 Pressure 1000 1000 1000 1000 1000 1000 1000 10	Pipi Temperatus	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(1) Open To Flo Shut-In(2) End Shut-In(2)	n -static ww (1) (1) ww (2) (2)	
FF - Weak blow b FS - 5 inch blow Pressure vs. Ti 9124 Presure 1000 1000 1000 1000 1000 1000 1000 10	PARTICIPATION PERIOD	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94 111.89	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(1) Open To Flo Shut-In(2) End Shut-In(2)	n -static ww (1) (1) ww (2) (2)	
FF - Weak blow to FS - 5 inch blow Pressure vs. Ti CCAPPesus 1000 1700 1700 1700 1700 1700 1700 170	Volume (bbl)	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94 111.89	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (1) (2) (2) (2) (2) (2)	Rate (M <i>ctl</i> /d)
FF - Weak blow to FS - 5 inch blow Pressure vs. Ti Dick Presure 200 170 100 100 100 100 100 100 100 100 1	back during final shut-in period.	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94 111.89	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (1) (2) (2) (2) (2) (2)	Rate (Mcl/d)
FF - Weak blow to FS - 5 inch blow Pressure vs. Ti Pressure vs	Volume (bbl) %W 44%M 0.61 12%W 61%M 0.92	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94 111.89	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (1) (2) (2) (2) (2) (2)	Rate (Mct/d)
FF - Weak blow to FS - 5 inch blow Pressure vs. Ti Pressure vs	Volume (bbl)           %W 44%M         0.61           2%W 61%M         0.91	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94 111.89	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (1) (2) (2) (2) (2) (2)	Rate (M <i>ct/d</i> )
FF - Weak blow to FS - 5 inch blow Pressure vs. Tr Pressure vs	Volume (bbl) %W 44%M 0.61 12%W 61%M 0.92	Time (Min.) 0 2 31 76 77 121 183	Pressure (psig) 2075.68 111.55 164.26 1192.14 199.06 204.49 1149.24	Temp (deg F) 108.33 108.30 110.92 112.54 113.15 115.47 115.94 111.89	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	-static ow (1) (1) (1) (2) (2) (2) (2) (2)	Rate (Mct/d)

Trilobite Testing, hc

Printed: 2017.11.30 @ 13:11:13

Ref. No: 62014



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No Mil

(ICA) TRILOB		ILL STEM TEST REPORT	Г	F	LUID SUMMARY
	111011	as Garner	15/25S/13V	V Stafford, K	S
EST		āst 7th hhn, KS	Dennis #1		
		6-1652	Job Ticket: 62	2014	DST#:2
	ATTA	k Tom Garner/Josh Aust	Test Start: 20	017.11.30 @ 05	:06:02
Mud and Cushion Infe	ormation				
Mud Type: Gel Chem		Cushion Type:		Oil API:	deg API
Mud Weight: 9.00 l		Cushion Length:	ft bbl	Water Salinity:	14000 ppm
Viscosity: 64.00		Cushion Volume:	DDI		
Water Loss: 9.20 i		Gas Cushion Type: Gas Cushion Pressure:	psig		
. worken and the second s	ohm.m	Gas cushion ressure.	poig		
•	inches				
Recovery Information	n				
		Recovery Table		T	
	Length ft	Description	Volume bbl		
	125.00	GO&HMCW 7%G 2%O 47%W 44%M	0.615		
	125.00		0.924	÷	
	65.00		0.912	•	
	305.00	Gas in pipe 100%G	4.278	1	
Тс	otal Length: 6	20.00 ft Total Volume: 6.729 bbl			
	um Fluid Samples: 0	Num Gas Bombs: 0	Serial #:		
	aboratory Name:	Laboratory Location:			
R	ecovery Comments:				
	and the second	Ref. No: 62014	and the processing of the free of the processing of the procession of the procession of the procession of the p	j: 2017.11.30 @	

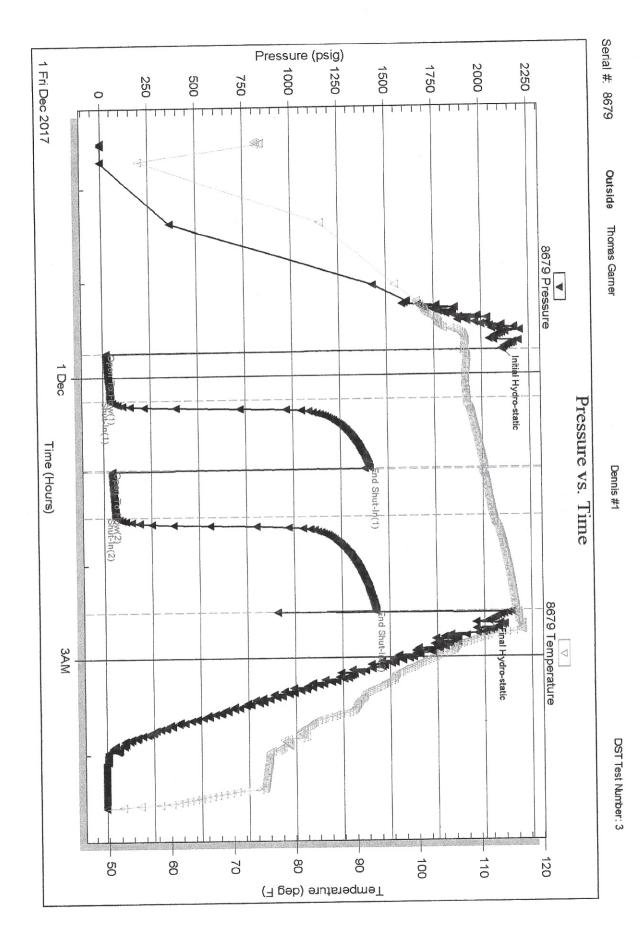
Trilobite Testing, Inc

RILOBITE -	Thomas Garner		15/2	25S/13W	/ Stafford	, KS	
ESTING, INC	005 5-1 74-			nnis #1			
	305 East 7th St. John, KS						
	67576-1652		Jop	Ticket: 62	015	DST#:3	
	ATTN: Tom Garner/Josh Aust		Test	t Start: 20	17.11.30 @	21:31:00	
GENERAL INFORMATION:							
ormation: Arbuckle			_				<i>(</i> 1 - 12 - 15
leviated: No Whipstock:	ft (KB)			51		Bottom Hole	e (Initial)
ime Tool Opened: 23:44:30 ime Test Ended: 04:34:20			Test Unit		limmy Ricket 30	15	
				erence Ele		1938.00	ft (KR)
terval:         4276.00 ft (KB) To         42           otal Depth:         4282.00 ft (KB) (TV			Reli	erence de	valions.	1938.00	. ,
otal Depth: 4282.00 ft (KB) (TV lole Diameter: 7.88 inchesHole				KB t	o GR/CF:	11.00	
		naa ayanin adagaya minandada berna			ر می شوند (از منظوم و می شوند و مو	erentet den seten géneralet	
Serial #: 8679 Outside ress@RunDepth: 61.85 psig (	@ 4277.00 ft (KB)		Capacity	:		8000.00	psig
Start Date: 2017.11.30	End Date:	2017.12.01	Last Calil			1899.12.30	1.0
Start Time: 21:31:00	End Time:	04:34:20	Time On	Btm: 2	2017.11.30 (	@ 23:43:40	
			Time Off	Btm: 2	2017.12.01 (	@ 02:36:39	
Pressure vs. T 8070 Pressure	9679 Temperature 120	Time	PI Pressure	RESSUR Temp	Annotatio		
2200	120	(Min.)	Pressure (psig)	(deg F)	Annotatio	n	
2000	- 10	0	2107.02	107.96			
1750		1 32	19.56 38.62	106.76 108.20	Open To F Shut-In(1)	low (1)	
			30.02			n(1)	
- A Budgeter	a addition -	1	1403.92	110.92			
1250	0	76	1403.92 44.75	110.92 110.56	Open To F	low (2)	
	0	76		110.56 112.26	Open To F Shut-In(2)		
		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75	Open To F Shut-In(2) End Shut-I	n(2)	
		76 77 107	44.75 61.85	110.56 112.26	Open To F Shut-In(2) End Shut-I	n(2)	
		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75	Open To F Shut-In(2) End Shut-I	n(2)	
		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75	Open To F Shut-In(2) End Shut-I	n(2)	
	70	76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75	Open To F Shut-In(2) End Shut-I	n(2)	
		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75	Open To F Shut-In(2) End Shut-I	n(2)	
		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75 116.21	Open To F Shut-In(2) End Shut-I	n(2)	
radium ra	- 70 - 70 - 70 - 70 - 70 - 70 - 70 - 70	76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75 116.21	Open To F Shut-In(2) End Shut-I Final Hydro	n(2) p-static	as Rate (Mct/d
1250         1000           700         1000           200         1000           0         1000           Fillber 2017         Time (Huars)           Recovery           Length (ft)         Description           15.00         Heavy oil cut mud 44%O		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75 116.21 Ga	Open To F Shut-In(2) End Shut-I Final Hydro	n(2) p-static	as Rate (Mct/d
radium ra	- 70 - 70 - 70 - 70 - 70 - 70 - 70 - 70	76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75 116.21 Ga	Open To F Shut-In(2) End Shut-I Final Hydro	n(2) p-static	as Rate (Mct/d
1250         1000           700         1000           200         1000           0         1000           Fillber 2017         Time (Huars)           Recovery           Length (ft)         Description           15.00         Heavy oil cut mud 44%O		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75 116.21 Ga	Open To F Shut-In(2) End Shut-I Final Hydro	n(2) p-static	as Rate (Mcf/d
1250         1000           700         1000           200         1000           0         1000           Fillber 2017         Time (Huars)           Recovery           Length (ft)         Description           15.00         Heavy oil cut mud 44%O		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75 116.21 Ga	Open To F Shut-In(2) End Shut-I Final Hydro	n(2) p-static	as Rate (Mct/d
1250         1000           700         1000           200         1000           0         1000           Fillber 2017         Time (Huars)           Recovery           Length (ft)         Description           15.00         Heavy oil cut mud 44%O		76 77 107 167	44.75 61.85 1429.51	110.56 112.26 115.75 116.21 Ga	Open To F Shut-In(2) End Shut-I Final Hydro	n(2) p-static	as Rate (Mct/d



Ref. No: 62015

Trilobite Testing, Inc



10h	TRILOBITE	DRI	LL STEM TEST F	EPORT	-	F	LUID SUMMARY
	Summer and an and a second sec	Thomas	s Garner		15/258/13	W Stafford, k	(S
	ESTING , INC	305 Eas St. Johr 67576- ATTN:	n, KS	Dennis #1           Job Ticket:         62015         DST#:3           Test Start:         2017.11.30 @ 21:31:00			
Mud and Cu	Ishion Information				and the second		
Mud Type: G Mud Weight: Viscosity: Water Loss: Resistivity: Salinity: Filter Cake:	el Chem 9.00 lb/gal 64.00 sec/qt 9.20 in <sup>a</sup> ohm.m 9800.00 ppm inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure	:	ft bbl psig	Oil API: Water Salinity:	33.9 deg API ppm
Recovery Ir	nformation		Decoupy Toble				
	Leng	th	Recovery Table Description		Volume bbl	1	
		15.00	Heavy oil cut mud 44%O 56%	М	0.07	~ <del>*</del>	
	Total Length:	110.00	Clean oil 100%O	0.615 bbl	0.54	1	
	Laboratory Nar Recovery Com		Laboratory Locatio				

Trilobite Testing, Inc

Printed: 2017.12.01 @ 05:02:49

TTMH 32

FIELD SERVICE TICKET 1718 16144 A



### 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

DATE TICKET NO.

DATE OF	JOB 12/2/17 DISTRICT						PROD INJ WDW CUSTOMER ORDER NO.:			
CUSTOMER Tho.	mas	& Garner,	In	e <sup>n en sent</sup>	LEASE DENNIS WELL N					
ADDRESS						COUNTY Statford STATE KS				
CITY STATE					SERVICE CI	REW 5	ott, Majun, Dillon			
AUTHORIZED BY TIM GUINED					JOB TYPE:	sh.	Production Cosing 2%			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED DATE CAM TIME			
86779	e far				<u> </u>	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ARRIVED AT JOB 12/1/17 AM 945			
19518	13	an a					START OPERATION 2/7/17 PM 330			
		<u>a ann an Anna Anna Anna Anna</u> Realta an an Anna Realta an Anna Anna Anna Anna Anna Anna Anna		1.000	n de la companya de l National de la companya de la company	2 2017-2010	FINISH OPERATION 17/2/17 PM 500			
<u> </u>	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						RELEASED 17/2/17 MS 30			
	1.1.1.1.1			•			MILES FROM STATION TO WELL			

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:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICE	S USED	UNIT	QUANTITY	UNIT PRIC	E	\$ AMOUN	r
(P105)	AA7 Cement		SK	150-	Kapanan ang kapan Pang kabang kapa		2550	00
CP103	LOTUD POT		SK	501			600	00
CEIDST	Cement Share Packer Ty	De 5/2	Ea	1		1.1.1	2800	00
05107	Latch Down Pluce 1	Ruffle	Ea	1 -	la ser a		400	00
CF1651	Turbolizers 5/20		54	7 -			770	00
CFIGAL	51/2 isoskel		Ea	1 -		1.000	290	00
1151	Mud Flush	1	Gel	1000	d an	1	1500	00
FICO	Unil Mileage Charge	Pick up	MI	20	1		90	00
E101	Heavi Equipment		MI	40			300	30
E113	Prost Bulk Delivery		TM	183	<u> </u>	-	45/	00
CEZOS	Depth Charge 4001-	5000'	4hr	000	gin caller and the	1999 y	1510	00
CE240	Blending + Mixing S	ervice Chiq	SK	200	<u>ny series a prise</u>	· · ·	280	00
CE504	Plug Container 1/4/112	ation U	Jeb		*	1-1-1-1-1 1-1-1-1-1 1-1-1-1-1	250	a
5003	Setwice Supervisor		84	11	**		112	
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	the first free free to be a second	and the second	1			10.00	n y na saidh an Airtín Tar an Airtín	
an internet						-		
		e diseñen A diseñen de la companya					12,982	58
	EMIČAL / ACID DATA:			16.4	SUB TO	JIAL	14,150	
		SERVICE & EQUIPI	MENT	%TA	X ON \$	1.22		
		MATERIALS			X ON \$			
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		71		t i fanalis Antonio	بر ۲۰۰۹ میرد <del>بر م</del> یرونی میرونی	• WL	2	
SERVICE	THE ABOVE I	MATERIAL AND SERV	/ICE	1	10	1		
REPRESENTATI		CUSTOMER AND R	ECEIVE		- UNA			- I
FIELD SERVICE	ORDER NO.		(WELL C	WNER OPERA	FOR CONTRACT	JR UH	AGENT	



## TREATMENT REPORT

ener	sy se	TVICE							Detr			
Customer	Mas	Garner	rilac	ease No.					Date			
Lease	115		We	/ell#					17	121	17	
Field Order #		Pratt	KS			Casing		h 288.65	County 51			State KS
Type Job	Produc	clion	Cusing	1		242	Formation	n		Legal D	Description	
PIPI	E DATA	1	ORATING	DATA		FLUID L	JSED		TRE	ATMENT	RESUME	
Casing Size	Tubing Siz	ze Shots/Ft	t		Acid				RATE PI	RESS	ISIP	-
Depth 11788.65	Depth	From	То		Pre F			Max			5 Min.	
Volume	Volume	From	То		Pad		-	Min			10 Min.	
Max Press	Max Press	From	То		Frac	h	<ol> <li>States and the second state of th</li></ol>	Avg	and <sub>beginse</sub> / Neurosci 2 (1999) - 1996		15 Min.	العدرية المستجد بدية ما تدبيت العربينين العام المالية المستجد المالية
	on Annulus V	<sup>/ol.</sup> From	То				2	HHP Used			Annulus Pres	ssure
Plug Depth	Packer De	From	То		Flus			Gas Volur			Total Load	
Customer Bep	presentative	ner		Station	Mana	ager. Justin	Wes	lermor	Treater	Scott	Gran	105
Service Units			86779	1995		19918						
Driver Names	Scott	Magan		Dillor	~	e <del>ren an</del>						
Time	Casing Pressure	Túbíng Pressure	Bbls. Pump			Rate			Se	ervice Log		
9:15							On La	ation	Saler	1, Ma	thing Q.	1 40
11:15	-						Runt	Teat E	avion	nent 1	13,5,7,4	,11,13
2:00							Break	- Circi	latio	m	Thour	1
3:212	1200						Sel	Packe	1 Sh	DE		-
3:27	300				5	>	Pump	n HPC	2 Spa	141		
3:28	300		5		<	) .	Pung	Mu	d'Fle	ush	1000 g	ellor s
3:33	360		24		5		Rim	O HPU	1 Spin	181	~	
3:34	350		5		5	-	Stait	1 Cer	nent	150:	SKS A	112 15#
3:42	Ø	· · · ·	40.1	,	6	3	Shut	clow	n			
3:45	Ø				k	6	West	h Pun	npt.	lines	Clean	
3:48	Q.				k	2	Relea	SP Plu	1 1 <u>4</u>	· · ·		
3:49	220				6	.5	Start	Dis	Dlace	MANT		
4:00	400		70		6	5	1.41	Pressi	118			
4:13	600		92		4	3.5	Rede	ice k	alt			
4:15	650		97	-	3	2,5	Plug	lande	d	Pressu	ire up	
4:15	1500						Shin	1 dou	in			
4:16	an a						Relea	se I	RESSU	IC N	10 Retu	INCS
4:30	40					3	Plud	Rat	hele	30.	SKS la	<u>0/110 POZ</u>
4:35	40					5	Plus	Mou	se h	ole 20	OStes 6	0/40 POZ
4:45							1 Sus	his	Elpin	n MAP	H	
5:00							Job	lon	note-le			· · · · · · · · · · · · · · · · · · ·
	-										(200) CT	5000
		A	DO D	0612	A DIM		67101 06	12 . (62	N 672-1		ax (620) 67	12=5.58.5

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

TTMH17

FIELD SERVICE TICKET 1718 **16139** A



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

			the design of	1.150	1		DATE TICKET NO
DATE OF	/17 DI	STRICT		an an sa san An an an an an	NEW C		PROD INJ WDW CUSTOMER ORDER NO.:
CUSTOMER Tho	mas	Garner	Inc	•	LEASE J	Denn	WELL NO. /
ADDRESS					COUNTY <	Jaff	ord STATE KS
CITY		STATE			SERVICE C	REW 5	with Edu Clumer
AUTHORIZED BY	mail		no a tra da c		JOB TYPE:	8 5/8	Surface Pipe 242
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED DATE AM TIME
204.20	16		-				ARRIVED AT JOB 11/20/17 AM 7.15
19860	152						START OPERATION 11/201117 CT24
							FINISH OPERATION 11/20117 AMG: 45
na series de la conserie de la participación de la conserie de la conserie de la conserie de la conserie de la Conserie de la conserie		an da na la construction de la cons La construction de la construction d	2000 000 0002800 00 0	<u> </u>	and the second secon	Contraction Re-	RELEASED 11/24/17 M. 7:10
					en sin a cin A standard		MILES FROM STATION TO WELL

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: WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT	AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
P103	10140 POZ		SK	300-		1 2000	a
50100	Critflater		16	761		281	20
CC 109	Calcium Chloride		16	7741		014	K
F153	Wooden Cemer	-1 Plun 878	Fa	12	Champing the second	1(0())	00
F100	Unit Millane	Pickup	MI	20	1	90°	20
E101	Heavy Eggipme	not Milecide	MI	40	1	- Aure	56
FIIS	Proof Buth De	livery 0	TM	258	1 - Jack -	640	00
CE700 .	Droth Charge	6-500'	Shis	. /	1	1000	00
FZUD.	Riending + May	ing Charge	SK	300	the grant of the second	910	20
5003	Service Superin	SG-	Fa	1	* a	1/2	00
FSOUL	Play Container		Job	Jagene S.	I'm all have a	250	20
							-
a farita sa				and and an			hiel Harri
							-
		a de la construcción de la constru	nas el hyticana	to the second		42.4	12.2
			(2821) - 60) (2733) 				4 61 : 1
28					and the state of the state of the		
					<u> </u>		
-		2011년 - 1912년 - 일종 2013년 1917년 - 2017년 - 2017년 - 2017년 - 일종 2017년 - 1918년 - 일종 2017년 -		n Mont Maatrika Ulija en unigan	SUB TOTA	L.	
CHI	EMICAL / ACID DATA:	-					-
		SERVICE & EQ MATERIALS	UIPMENT		( ON \$ ( ON \$		
	1995 Barrer	WATERIALS		/01A/	TOTA		54
	A contract of the contract of					4640 -	
	×				Ŵ,	Γ.	1.4
	<u> </u>				IJ		1.00
SERVICE REPRESENTATIV	IE VIDE	THE ABOVE MATERIAL AND SI OBDERED BY CUSTOMER AND	ERVICE D RECEIVEI	BY:X	in Aller	le	
FIELD SERVICE	16000		(WELL O	WNER OPERAT	OR CONTRACTOR O	R AGENT)	



## TREATMENT REPORT

Customer	30 G	a - 1. 1. 0. 0	r Inc	Lease No.				Date	Date			
Lease	nnis	11/109	- Inc	Well #				- 11	11/2011/2			
Field Order #				ks	Casin	- 18	Depth 374.7	County	state	Field	State	
Type Job	18 5	inte	1 e	Pipe		Fo	rmation	-	Leg	al Description		
PIPE DATA PERFORATI				NG DATA FLUID US				TF	REATME	NT RESUM	ΛE	
Casing Size	Tubing Siz	ing Size Shots/Fi		а <b>на Б</b> алости. П	Acid			RATE PRESS ISIP				
Depth	Depth	From	-	То	Pre Pad		Max	Мах		5 Min.	5 Min.	
Volume	Volume	From	-	То	Pad		Min	Min		10 Min	10 Min.	
Max Press	Max Press	From		То	Frac		Avg	Avg		15 Min	15 Min.	
Well Connection	on Annulus V	ol. From		То			HHPU	HHP Used		Annulus Pressure		
Plug Depth	Packer De			То	Flush		Gas V	Gas Volume		Total Load		
Customer Rep	presentative	/		Station	Manager	lin 1	Vester	Treate	Sco	11 6	2redies_	
Service Units	/											
Driver Names												
Time	Casing Pressure	Tubing Pressure	Tubing Pressure Bbls. F		Rate			Service Log				
3:15						Or	laces	1275	rol en	1 M	retirg Ria	
6:00					Dire		ruk	Cice	11.11	ion		
6:24	100			5		Pe	Hump 170 Specer					
6:25	250			5 5		5-1	ant C	PINE	int .	SOCIE	5 6BALION	
6:38	Ø		69	1,65 d		Sh	ut Ch	nun				
6:40	6				ļ.	Re	lear	Plug		-		
6:41	200				5	57	and I	Drsple	11 1 2	ment	-	
6:45	275		19	1,8	0	5	Shut down Coment in celler					
	Ø				C	K	Release line Pressure					
						Je	th C	emple	-11			
									5- **			
					200, 1. P			-				
		0.944								•		
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				21					• •	. 3		
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		/										
						-			1001	= /00/	) 670 5202	

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383