KOLAR Document ID: 1404237

Confiden	tiality Requeste	d:
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

		DECODIDEIO		
WELL	HISTORY	- DESCRIPTIO	N OF WELL	& LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
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 #	GPS Location: Lat:
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 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:	
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 Produc	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	— Quarter Sec TwpS. 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 III Approved by: Date:				

KOLAR Document ID: 1404237

Operator Name:	Lease Name: Well #:
Sec TwpS. 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 Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Used		Type and Percent Additives			
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gravity				
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold Used on Lease Open Hole Perf. (If vented, Submit ACO-18.)			-	·	nit ACO-4)	юр	Bollom		
Shots Per Perforation Perforation Bridge Plug Bridge Plug Foot Top Bottom Type Set At					Acid,		ementing Squeezend of Material Used)		
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion		
Operator	Vincent Oil Corporation		
Well Name	NORTON 1-33		
Doc ID	1404237		

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion		
Operator	Vincent Oil Corporation		
Well Name	NORTON 1-33		
Doc ID	1404237		

Tops

Name	Тор	Datum
Heebner Shale	4359	(-1773)
Brown Limestone	4492	(-1906)
Lansing	4504	(-1918)
Stark Shale	4863	(-2277)
Pawnee	5076	(-2490)
Cherokee	5121	(-2535)
Base Penn Limestone	5235	(-2649)
Mississippian	5277	(-2691)
RTD	5450	(-2864)

Form	ACO1 - Well Completion	
Operator	Vincent Oil Corporation	
Well Name	NORTON 1-33	
Doc ID	1404237	

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	647	MDC & Common	275	2-4% Gel, 3% CC & 1/4#Cel- Flake/sx

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

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

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

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

Date 12-8-17 33	Twp. 29	Range	County	State	On Location	Finish		
			Ford	Ks	10:00 AM.	12:30		
Lease Nacton	Well No.	1-33	Location	the second second	and the second s	1.1. 		
Contractor Duker			Owner To Quality	Owner To Quality Well Service, Inc.				
				You are hereby requested to rent cementing equipment and furnish				
Hole Size 12 1/4		48	Charma	cementer and helper to assist owner or contractor to do work Charge				
Csg. 85/8	-	647 632	To	To Vinsent				
Tbg. Size	Depth		Street	184-00-00-00-00-00-00-00-00-00-00-00-00-00				
Tool		aup. <u>33 -</u> 1	City	City State				
Cement Left in Csg. 20	Shoe J	and the second s			tion and supervision of owner			
Meas Line	Displac	e 39.9 66	Cement A	mount Ordered /	25sx MDC 2% Gol	3%cc 1/48.		
and the second se	MENT		15052	Common 2%	Gel 3% a 14CF	1		
Pumptrk S No.				150				
Bulktrk 7 No.			PozMix	MOC 125				
Bulktrk No.			Gel. //		эх 1			
Pickup No.			Calcium	0		· · · · · · · · · · · · · · · · · · ·		
JOB SERVICE	S & REMA	RKS	Hulls					
Rat Hole			Salt					
Mouse Hole			Flowseal	Flowseal 66-25				
Centralizers			Kol-Seal					
Baskets			Mud CLR	48				
D/V or Port Collar	_		CFL-117 (or CD110 CAF 38				
Ron 15 its 85/8 c	30 /	whe are	lation Sand					
	1	MDC 21		194				
Gel 3% cc 14 c1		50 SX Com		star Star	An			
	E	1		FLOAT EQU	JIPMENT			
	.9 6b19	143/0	Guide Sho					
sement did circule		Surface	Centralizer					
	10	SHITTLE	Baskets					
			AFU Insert	te	· · · · · · · · · · · · · · · · · · ·			
			Float Shoe	and the second s				
					1 00			
				n 85/8 waa	den Plang			
			LMV		*****			
			Jur yer	- Part VILLE				
		100 million and a second	Pumptrk C		1			
			Mileage	20				
and the second					Tax			
x					Discount			
x Signature	<u></u>				Total Charge			

6770

Quality Well Service, Inc.

PO Box 468 Pratt, KS 67124

Bill To

Vincent Oil Corporation 200 W. Douglas, Ste. 725 Wichita, KS 67202

	P.O. No.	Terms	L	ease Name
			ľ	Vorton #1-33
Description		Qty	Rate	Amount
8 5/8 Wooden Plug MDC Common Gel Calcium Flo-Seal SFC 501-1500' Handling .08 * sacks * miles Service Supervisor LMV Heavy Equipment Mileage Customer Discount Customer Discount Discount Expires after30 days from the date of the invoice Norton #1-33 Ford Co.		1 125 150 11 10 66.25 1 296 8,500 1 50 100	85.00 18.00 15.50 22.00 60.00 3.70 750.00 2.10 0.08 150.00 3.75 8.00 -38.25 -3,983.05 0.00	85.00 2,250.00 2,325.00 242.00 600.00 245.13 750.00 621.60 680.00 150.00 187.50 800.00 -38.25 -3,983.05 0.00
Гhank You for your business & Happy Holidays!		Subtotal		\$4,914.93
		Sales Ta	x (7.65%)	\$6.47
		Total		\$4,921.40

Invoice

Date	Invoice #
12/6/2017	C-1683

CEMENT Surface CSS.

QUALITY WELL SERVICE, INC. Federal Tax 1.D. # 481187368

Federal Tax I.D. # 481187366 Home Office 30060 N. Hwy 281, Pratt, KS 67124 Mailing Address P.O. Box 468

Office 620-727-3410 Fax 620-672-3663 Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

6774

Fax 620-672-3663	a and	L. Barre			hand a second		Finish			
Sec.	Twp.	Range		County	State	On Location	10:30 AN			
Date 12-19-17 33	29	25	F	ord	Ka	8:00 Am				
	Vell No.	1-33	Locati	on	the second second					
Contractor Duke				Owner	Il Service, Inc.	THE REAL PROPERTY OF				
ype Job Botory Plug				Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.	hu requested to rer	t cementing equipment	nt and furnish			
tole Size	T.D.			cementer and	cementer and helper to assist owner or contractor to do work as need					
Dog. 4/2 Drill Pipe	Depth	1 D N		Charge V	A STATE					
bg. Size	Depth		1	Street	and the second s					
Tool	Depth		1400	City	and the second second	State				
Cement Left in Csg.	Shoe J	oint				and supervision of owne				
Meas Line	Displac	9		-	ount Ordered /80	5× 60/40 4	o Gel			
EQUIP	MENT			14 C.F.						
Pumptrk 8 No.				Common /						
Bulktrk 10 No.				Poz. Mix 🐬	0					
Bulktrk No.	- 1			Gel. Co	and the second	Long to the second				
Pickup No.				Calcium	17. S. S. 19. 3		1			
JOB SERVICES	S& REM	ARKS		Hulls	and the second sec					
Rat Hole 305x			1.1	Salt	- Langer	And the second second				
Mouse Hole 205x	3 5.19	The state	1.1	Flowseal	15					
Centralizers		N. C.		Kol-Seal						
				Mud CLR 48						
Baskets D/V or Port Collar				CFL-117 or CD110 CAF 38						
ISL D I Form A	alun	nºh Gel		Sand						
1st Dumped 505x 60	140	TPUT		Handling / 8 /						
@ 1540'				Mileage 5	the second s					
1 1 1 1 1 1 1	Anlan	11% 60	1		FLOAT EQUIP	MENT	1.			
and Pumped 60sy	00/ 70	410 44	1.1.1.1.1	Guide Shoe						
D 690"	1000			Centralizer						
	Cald	. 44 1	1	Baskets						
60° to surface	60140	TIO M	a	AFU Inserts						
60° to surface		14151		Float Shoe						
		And the second s	- Internet	Latch Down						
the Pumped 505x 60/40 4% Gel in Rat + Mouse hole										
in fat + Mouse h	2010			Grine	C					
Line grant and grant				Pumptrk Ch	harde	and the second second				
		-	-			1 1 1				
				Mileage	OX +	Ta	ax			
						Discou	nt			
	954	1				Total Charg	A DECEMBER OF			
X Signature	1					Total Onalg	Taylor Printing.			

Quality Well Service, Inc.

PO Box 468 Pratt, KS 67124

Bill To

Vincent Oil Corporation 200 W. Douglas, Ste. 725 Wichita, KS 67202

Date	Invoice #
12/22/2017	C-1689

Rotacy Play.

	P.O. No.	Terms	Lea	se Name
			Nor	ton #1-33
Description		Qty	Rate	Amount
Common Poz Gcl Flo-Seal Plug Handling .08 * sacks * miles Service Supervisor LMV Heavy Equipment Mileage Customer Discount Discount Expires after30 days from the date of the invoice Norton #1-33 Ford Co.		110 70 6 45 1 186 9,300 1 50 100	15.50 9.50 22.00 3.70 950.00 2.10 0.08 150.00 3.75 8.00 -2,061.71 0.00	1,705.00 665.00 132.00 166.50 950.00 390.60 744.00 150.00 187.50 800.00 -2,061.71 0.00
Thank You for your business & Happy Holidays!	μ. L	Subtotal		\$3,828.8
		Sales Tax	(7.65%)	\$292.9
		Total		\$4,121.8

Invoice

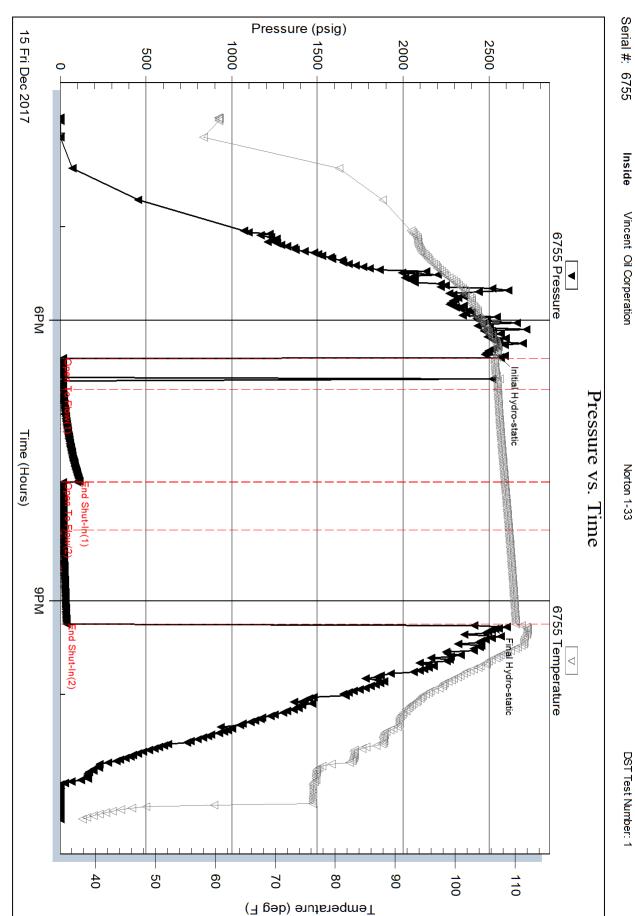
	DRILL STEM TES	TREP	ORT			
	Vincent Oil Corperation		33/298	6/25W/Fo	ord	
ESTING , INC	200 W Douglas Ave #725 Wichita, Kansas		Norto	n 1-33 ket: 62098	DST	4. A
	67202+3013 ATTN: Ken LeBlanc				2.15 @ 15:50:00	
n))=q((),			1031 04	ant. 2017.1	2.10 @ 10.00.00	,
GENERAL INFORMATION:						
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:18:24:17Time Test Ended:23:20:02	ft (KB)		Test Ty Tester: Unit No:	Ken S	entional Bottom Sw inney att/164	Hole (Initial)
Interval:5035.00 ft (KB) To50Total Depth:5070.00 ft (KB) (THole Diameter:7.80 inches Hole			Referer	nce Elevatio KB to GR	2574.	00 ft (KB) 00 ft (CF) 00 ft
I.S.I. 60 Minu	End Date: End Time: utes/ Few surges at open then dea tes/ No blow back		Capacity: Last Calib.: Time On Btm Time Off Btn no help		2017.12. .12.15 @ 18:23: .12.15 @ 21:18:	47
	5755 Temperature	Time	Pressure T	emp Ar	UMMARY	
		(Min.) 0 1 21 80	2568.38 1 14.63 1 16.70 1 112.07 1	06.55 Ope 07.07 Shu 08.24 End	al Hydro-static en To Flow (1) it-In(1) Shut-In(1)	
		81 111 171 175	17.50 1 36.81 1	08.94 Shu 10.14 End	en To Flow (2) it-In(2) Shut-In(2) al Hydro-static	
15Fri Dec 2017 GFM Time (Haus)						
Recovery				Gas Ra	ates	
Length (ft) Description 5.00 Mud 100%	Volume (bbl) 0.07			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
	Bef. No: 62098				7 12 16 @ 06.17	

RILOBITE	DRILL STEM TES	T REP	ORT				
	Vincent Oil Corperation		33/	29S/25V	V/Ford		
ESTING , INC.	200 W Douglas Ave #725 Wichita, Kansas 67202+3013		-	rton 1-3: Ticket: 62	-	DST#: 1	
	ATTN: Ken LeBlanc		Tes	t Start: 20)17.12.15 @	15:50:00	
GENERAL INFORMATION:							
Formation: Marmaton							
Deviated:NoWhipstock:Time Tool Opened:18:24:17Time Test Ended:23:20:02	ft (KB)		Tes	ter: I	Conventiona Ken Sw inne <u>y</u> 72 Pratt/164		e (Initial)
Interval:5035.00 ft (KB) To50Total Depth:5070.00 ft (KB) (TVHole Diameter:7.80 inchesHole	/D)		Ref	erence Ele KB t	evations: o GR/CF:	2585.00 2574.00 11.00	ft (CF)
Serial #: 8322 Outside							
Press@RunDepth:36.37 psigStart Date:2017.12.15Start Time:15:50:01	@ 5067.00 ft (KB) End Date: End Time:	2017.12.15 23:20:02	Capacity Last Cali Time On Time Off	b.: Btm: 2	2017.12.15 (2017.12.15 (-	psig
I.S.I. 60 Minut F.F. 30 Minut F.S.I. 60 Minut	tes/ Few surges at open then dea es/ No blow back es/ Few bubbles at open then dea ies/ No blow back		-				
Pressure vs. T 3322 Pessure	me ∆ 8322 Tempenåre	Time	Pl Pressure	RESSUF Temp	RE SUMM		
	Tito	(Min.)	(psig)	(deg F)			
		0	2571.65 14.28	106.71 106.30	Initial Hydro Open To Fl		
		22	16.57	106.70	Shut-In(1)		
		80 81	112.71 16.11		End Shut-Ir Open To Fl		
		111	17.75	107.00	-	000(2)	
		171 175	36.37 2535.75	109.54 111.37	End Shut-Ir Final Hydro		
550 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							
Recovery Length (ft) Description	Volume (bbl)			Ga: Choke (i	s Rates	re (psig) Ga	is Rate (Mcf/d)
Length (π) Description 5.00 Mud 100%	0.07			Споке (1	riches) Pressur	(psig) Ga	is itale (IVICI/U)
<u> </u>	Ref No: 62098						

Printed: 2017.12.16 @ 06:17:08

Ref. No: 62098

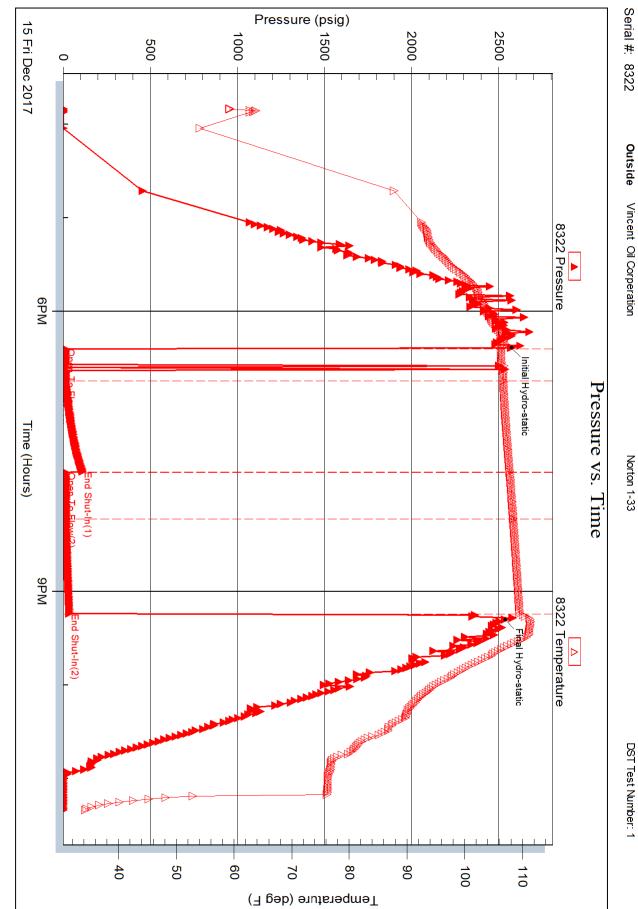




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Ref. No: 62098





DST Test Number: 1

RILOBITE	DRILL STEM TE	ST REP	ORT				
	Vincent Oil Corperation		33/2	29S/25V	V/Ford		
ESTING , II	C 200 W Douglas Ave #725 Wichita, Kansas			r ton 1-3 : Ticket: 62		DST#	H. O
	67202+3013 ATTN: Ken LeBlanc))17.12.17 @		
GENERAL INFORMATION:							
Formation:MississippiDeviated:NoWhipstockTime Tool Opened:11:26:02Time Test Ended:15:17:02	ft (KB)		Test Test Unit	ter: I	Convention Ken Swinne 72 Pratt/164	әу	lole (Initial)
Total Depth: 5300.00 ft (KB)	5300.00 ft (KB) (TVD) (TVD) ole Condition: Fair		Refe	erence Ele KB t	evations: to GR/CF:	2574.0	00 ft (KB) 00 ft (CF) 00 ft
I.S.I. 30 M F.F. 30 M	7 End Date:	2017.12.17 15:17:02 Flush tool/Surfa	Capacity: Last Calit Time On I Time Off Ice blow diec	o.: Btm: 2 Btm: 2	2017.12.17 2017.12.17	-	32
Pressure	s. Time		PF	RESSUE	RE SUMM		
T 6756 Pressure	0785 Tempositure		Pressure	Temp	Annotati		
200		(Min.) 0	(psig) 2654.58	(deg F) 108.93	Initial Hydr	o-static	
			17.86	107.80	Open To F	low (1)	
		31 61	23.97 37.91	111.06 111.42	Shut-In(1) End Shut-		
		61	23.45		Open To F	low (2)	
		61 91 122 9 123	23.21 29.80 2590.37	112.13 112.71 116.36	End Shut-	ln(2)	
500 V V V V V V V V V V V V V V V V V V	53 10 10 10 10 10 10 10 10 10 10 10 10 10 1						
Length (ft) Description	y Volume (bbl)			Ga: Choke (i	s Rates	ure (psig)	Gas Rate (Mcf/d)
15.00 Mud 100%	0.21					uie (poly)	Gas Male (IVICI/U)
<u> </u>							

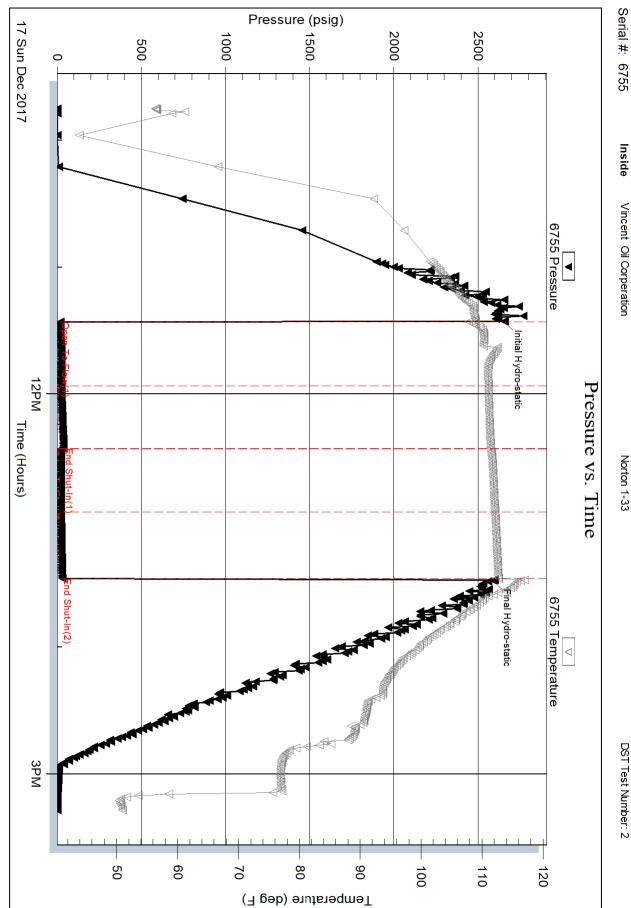
RILOBITE	DRILL STEM TES	TREP	ORT				
	Vincent Oil Corperation		33/2	29S/25V	V/Ford		
ESTING , INC	Wichita, Kansas			ton 1-3: Ticket: 62		DST#	#: 2
	67202+3013 ATTN: Ken LeBlanc					@ 09:45:00	
						0	
GENERAL INFORMATION: Formation: Mississippi							
Formation:MississippiDeviated:NoWhipstock:Time Tool Opened:11:26:02Time Test Ended:15:17:02	ft (KB)		Test Test Unit	er: ł	Conventic Ken Sw in 72 Pratt/1	-	Hole (Initial)
Interval:5243.00 ft (KB) To5Total Depth:5300.00 ft (KB) (THole Diameter:7.80 inches Hole			Refe	erence Ele KB ti	evations: o GR/CF:	2574.0	00 ft (KB) 00 ft (CF) 00 ft
I.S.I. 30 Min F.F. 30 Min	 @ 5245.00 ft (KB) End Date: End Time: utes/ Surface blow died in 4 min/Fluutes/ No blow back utes/ Surface blow died in 2 min utes/ No blow back 	2017.12.17 15:17:02 Ish tool/Surfa	Capacity: Last Calib Time On E Time Off I ce blow died	o.: 3tm: 2 Btm: 2		2017.12. 7 @ 11:25:: 7 @ 13:28: ⁻	32
Pressure vs.			PF	ESSUR	RE SUM	MARY	
RSZZ Presure	SZZ Tomponiure	Time (Min.) 0	Pressure (psig) 2653.00	Temp (deg F) 108.50	Annota		
2000		1	17.28 21.05	107.86 110.58	Shut-In(
9 1000	- 🐴 🔪 : :	61 61	39.91 21.71	110.97 110.97		o Flow (2)	
		91 122 123	22.00 31.32 2593.09	111.64 112.30 113.88	End Shu		
1794 179an Dec 2017 Time (Hous) 	314						
Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pre	essure (psig)	Gas Rate (Mcf/d)
15.00 Mud 100%	0.21						

		DRI	LL STEM TEST REPOR	RT		FLUID S	UMMAR
		Vincen	nt Oil Corperation	33/29S/2	5W/Ford		
ES I	RILOBITE		Douglas Ave #725 a, Kansas		Norton 1-33		
		67202+3013		Job Ticket:		DST#:2	
		ATTN:	Ken LeBlanc	Test Start:	2017.12.17 @ 09	9:45:00	
Mud and Cushion In	formation						
Mud Type: Gel Chem			Cushion Type:		Oil API:		deg API
	lb/gal		Cushion Length:	ft	Water Salinity:		ppm
-	sec/qt		Cushion Volume:	bbl			
Water Loss: 9.99			Gas Cushion Type:				
Resistivity:	ohm.m		Gas Cushion Pressure:	psig			
Salinity: 7100.00 Filter Cake: 1.00	inches						
Recovery Informatio	on						
			Recovery Table				
	Leng ft	th	Description	Volume bbl			
		15.00	Mud 100%	0.21	10		
т	otal Length:	15	.00 ft Total Volume: 0.210 bl	bl			
Ν	lum Fluid Samp		Num Gas Bombs: 0	Serial	<i>#</i> ·		
	aboratory Nan			Senar	π.		
			Laboratory Location.				
			Laboratory Location:				
	aboratory Nan Recovery Comr		Laboratory Location:				
			Laboratory Location:				
			Laboratory Location:				
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			Laboratory Location:				

Printed: 2017.12.17 @ 17:10:37

Ref. No: 62099





Vincent Oil Corperation

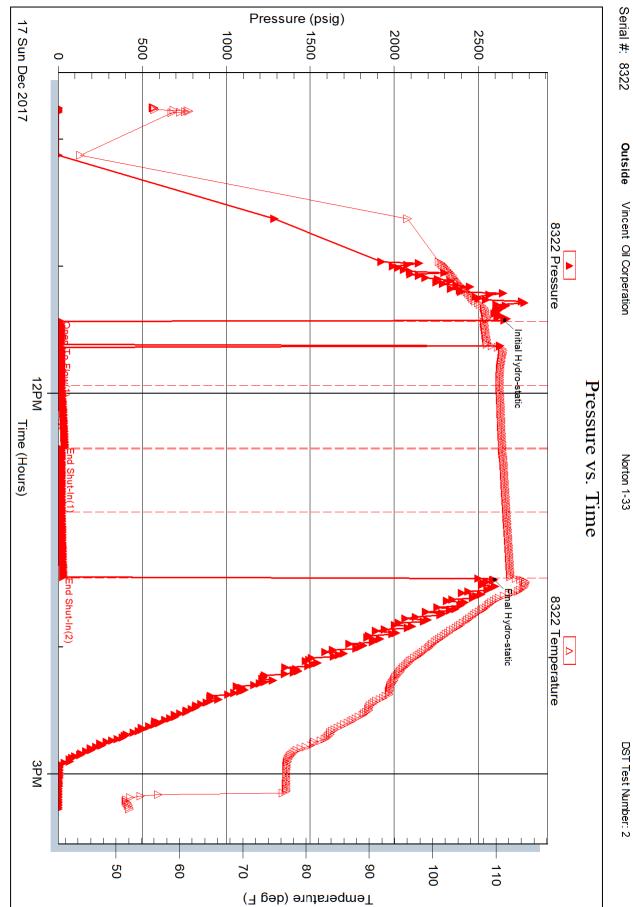
Norton 1-33

DST Test Number: 2

Printed: 2017.12.17 @ 17:10:37

Ref. No: 62099

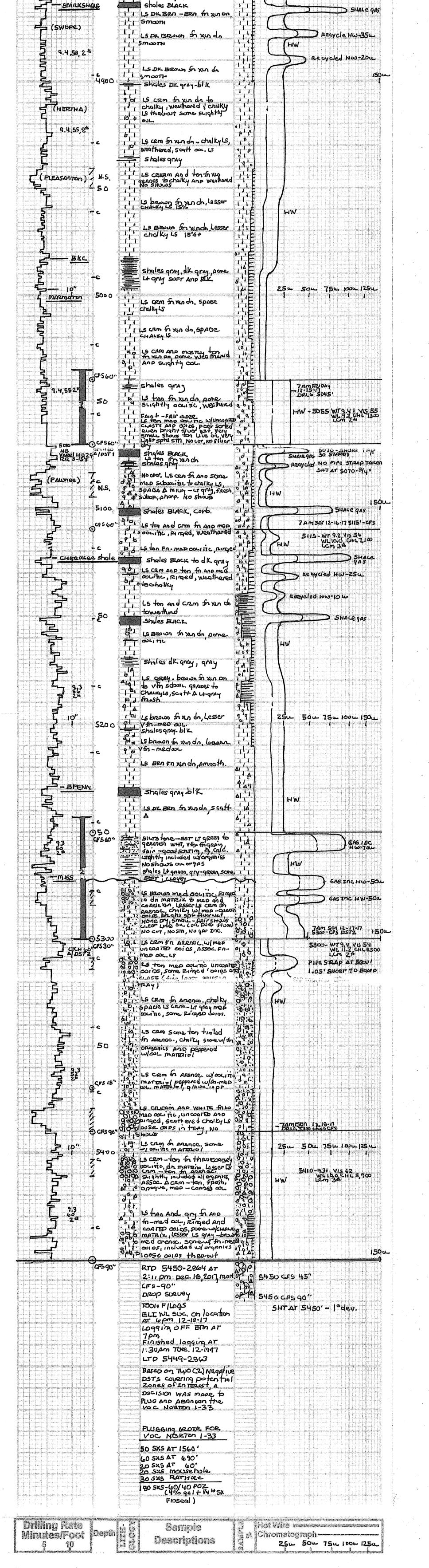




Norton 1-33

DST Test Number: 2

FEET 12-18-17 SPO CFS CTH T San cell klowed, PD AT II:30 Am 12:8-17 QUALITY NTD 5450-2864 Cmt Dia Line, BY Anal, my Cmto, QUALITY AT 2:11 pm 12:18-17 MODIL, CFS qo', page Stativey trooked loop R16 MALC2: TDR: 0 H35, DBL, STEEL, PTS Stativey trooked loop R16 MALC2: Cost C-16, 1, Truo C cet 3400, DF: 412, NT, 500:647, To: 2451 MIC Stativey trooked loop DF: 412, NH, 166, HET, NT, 500:647, To: 2451 AT 13 and 12:491 DC: 411, -4176, J12, op: 647, To: 2451 AT 13 and 12:491 DE: 412, NH, 166, HET, NT, 500:647, To: 2451 PRANUMERS - CAT C-16 MINO PMIP1 IDECO MM: SSO Prool Poul Poul Poul Poul Poul Pouls (C): MY Ke, GODREEY Roference Well: LADD PET.	emarks: THE VINCENT ON NORTH 1:33 WAS DRIVED FOrmation Tops As a Wildbar, on the minner ap Present, mass a wild on Tops Mass of the minner ap Present, the mass of the present the prese	
HALL I 2173F5L'; 330 FWL 33-295-25W	Sample Correcte Sample Electric Tops Electric Tops Subsea Tops Tops Tops Tops Tops Datums L991 L917 L917 Datums L992 L917 L917 Datums L992 L917 L917 Datums L992 L917 L917 L917 L993 L917 L917 L917 L991 L917 L917 L917 L991 L917 L917 L917 L991 L917 L917 L918 L991 S912 S912 -2313 S912 S912 S912 -2313 S912 S917 S917 -21408 S917 S917 -21408 -2440 S912 S917 -2149 -2463 S450 S914 -2863 -2463 S450 L913 L913 -2463 L914 L915 L913 -2463	
SEC. 33-T29S-R25W		
Sandstone Siltstone Siltstone Shale Drilling Rate Minutes/Foot 5 10 Dep 5 10 Sep 5 10 Sep 5 10 Sep 7 000 10 Sep 120 Se	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
	$\frac{2 \sqrt{3}}{1 + 1} = \frac{1}{2} \frac{2 \sqrt{3}}{1 + 1} = $	
	shales (regen, gray- graven m ined w/ us ton for two do 1 1 1 1 Ls cem and ton for two do 1 1 Ls white w/ ur green tint t 1 1 Ls white w/ ur green tint t 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2	
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	$ \begin{cases} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	
	S. If LS dk BRN - BRN FN UN PN If Lesser Ls cam fn UN PN If Lesser Ls cam fn UN PN If L LS dk BRN - BRN FN UN PN If L LS dk BRN - BRN FN UN PN If L LS cam - ton and brown fn If LS cam - ton on d brown fn If LS brown fn and from for the form of the fo	



DST 1) 5035 - 5070

(Marmaton) Times: 20-60-30-60

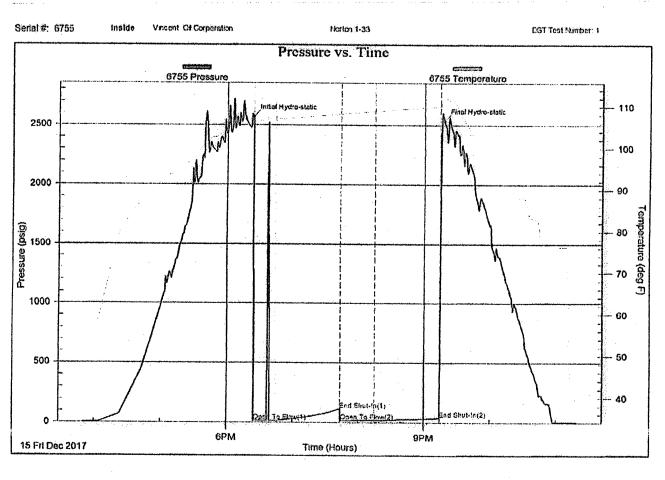
1st open: tool opened with surge of bubbles then died, flushed tool NO HELP (NO blowback)

2nd open: tool opened with a FEW BUBBLES, then died - NO GAS TO SURFACE (NO blowback)

Rec: <u>5' Mud, NO SHOWS</u> 5' Total Fluid - ALL in Drill Collars

(electronic recorders			
J	HYD:	2568	psig
	IFP:	14-16	psig
]	EHP:	112	psig
	FFP:	16-17	psig
E	BHP:	36	psig
E	HYD:	2535	psig

Tester: Ken Swinney: Trilobite Testing, LLC, Hays Kansas District NOTE: Conventional DST (dual packers, safety joint, electronic recorders) NO jars) NO bottom sampler



Ref. No: 62093 DST 1 - Chart

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DST 2) 5243 - 5300 (B/Penn - Miss.)

Triobite Testing, Inc

Times: 30-30-30-30

<u>1st open</u>: tool opened with surge of bubbles then died, flushed tool NO HELP (NO blowback)

2nd open: tool opened with a FEW BUBBLES, then died - NO GAS TO SURFACE (NO blowback)

Rec: 15' Mud, NO SHOWS 15' Total Fluid - ALL in Drill Collars

IHYD:	2654	psig
	17-23	psig
IBHP:	37	psig
FFP:	23-23	psig
FBHP:	29	psig
FHYD:	2590	psig

Tester: Ken Swinney: Trilobite Testing, LLC, Hays Kansas District NOTE: Conventional DST (dual packers, safety joint, electronic recorders) NO jars) NO bottom sampler

