## KOLAR Document ID: 1472667

Confident	tiality Requested:
Yes	No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from 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:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
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 CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:      Dual Completion Permit #:	Dewatering method used:
SWD     Permit #:	Location of fluid disposal if hauled offsite:
□ EOR Permit #:	Location of huid disposar in natied offsite.
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: 1472667

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 Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the</li> <li>Was the hydraulic fracture</li> </ol>	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	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:			DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole Perf.		Dually Comp.     Commingled       (Submit ACO-5)     (Submit ACO-4)		юр	Bollom	
		foration Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)							
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	M.R. ALLEN 17
Doc ID	1472667

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.63	23	237	Common	150	2% Gel & 3% CC
Production	7.88	5.50	15.5	3585	QMDC&C ommon		10%Salt- 5% Gilsonite

Phone 785-483-2025 Cell 785-324-1041	ulli cash pay	ome Office	al Tax I.D.# 20 P.O. Box 32 R	ussell, KS 67665	No.	1434				
Sec	c. Twp.	Range	County	State	On Location	Finish				
Date 5-15-19 2	211	19	12115	KS	a maaliyottai yo	18.00B.				
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Type Job Surgale	una wai BAi	HOO THAT KANS	cementer a	and helper to assist ov	t cementing equipmen wner or contractor to d	it and furnish o work as listed				
Hole Size 12:14	T.D.	238	Charge	and that a second sound of	www./	AND TAL				
Csg. 858	Depth	237	Street	the second secon	and and and an ar	way partains				
Tbg. Size	Depth	barton kain asi	City	1921 of relationsist	State	And Sidewood				
Tool the name of the loop	Depth	with, Rocel, or s	The There is a second sec	was done to satisfaction	and supervision of owner					
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Cell 785-324-1041	Home Office	ned, "OUSTOMER"	elit, has been estable	njess sateraciony dr	. 1289			
Date 5 - 24 - 19 22	Twp. Range	County	State	On Location	Finish			
Date J - d [ ] ] dd	the state of the ba	tilis	K)	PREMONELLO BRE	10:15 AM			
NO nu-	ang the maximum rate shall be and the boy	Location Your	rento - N to	Gun Range	3/4 N. Ett			
Lease M.K. Allen	Well No. 17	Owner	le istan ant sewoi at be	an Sva Boostag	contract shall be			
Contractor Discovery	$AER^*$ or at the $\alpha C^k$	To Quality	Oilwell Cementing, Inc reby requested to rent	Compating aguipmer	excensi interest s			
Type Job Langstring	an chorred 15th 554	cementer a	ind helper to assist ow	ner or contractor to d	o work as listed.			
Hole Size	т.D. 3590'	Charge Y	nustana E	nerau	BINFICITTA -			
Csg. 5/2" 15/2 & New 1	Depth 3585.6	Street		202	THE REAL POINT OF ME ALLES			
Tbg. Size	Depth in the list of	City	00° ni betet ealer so	State	- PRICES A			
Tool	Depth	A Province and the second	as done to satisfaction a		agent or contractor			
Cement Left in Csg. 42.26	Shoe Joint 42.20	Cement An	nount Ordered 350	80/20 QMDC				
Meas Line	Displace 84 1/2		10% Salt 5% G		gal mud Cleary			
IAUO ye berlamut is see EQUIPME	NTvd beiggus ed liw	Common	150	the del to del teo del	Jen - the cross			
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Bulktrk ) Y No. Driver M	e	Calcium	Calcium					
JOB SERVICES &	REMARKS	Hulls						
Remarks:	ekial ort for larle YTT	18110 Laster Offer	Salt 2/3-00 breved anothinged avoration bras a cheory wasm ear					
Rat Hole 30 5x	NUE LEGENS MELLE MON	TTE LET DE LE VERENCE - 1	Flowseal 904					
Mouse Hole 155x		/	Kol-Seal 750 P					
Centralizers 1,3579 04	8 000 45	Mud CLR 4	8 500 ant	2 CONTRACTOR OF	Agented (A)			
Baskets 2, 49, 66, 75	met to see light		CFL-117 or CD110 CAF 38					
D/V or Port Collar Pipe on be	Hom, break (	Circulatera	IT IS DECOMBINED	AND THE TODO THE TODO	o mino to avaigm			
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Signature by Dh	u and marks of all dates of a	(O) WORL SHOW (O)		Total Charge	NATIO ADMINISTRATI			



# Scale 1:240 Imperial

	Scale 1:240 Imperial	l	
Well Name: Surface Location: Bottom Location:	M.R. ALLEN #17 SE SE NW S22 T11S R19W		
API: License Number: Spud Date:	15-051-26951 33922 5/15/2019	Time:	2:45 PM
Region: Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	ELLIS COUNTY 5/23/2019 2310' FNL & 2310' FWL	Time:	5:10 PM
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1980.00ft 1988.00ft 2800.00ft 3590.00ft ARBUCKLE CHEMICAL- PAC	To:	3590.00ft
	OPERATOR		
Company: Address:	MUSTANG ENERGY CORPOR PO BOX 1121	RATION	
Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool: State:	ROD BRIN 785-623-0533 M.R. ALLEN #17 SE SE NW S22 T11S R19W 15-051-26951 KS	Field:	SOLOMON
Sidle.	ro	Country:	
	SURFACE CO-ORDINA	TES	
	Vertical		
Well Type: Longitude: Latitude: N/S Co-ord: E/W Co-ord:	-99.4176837 39.0820557 2310' FNL 2310' FWL		
Longitude: Latitude: N/S Co-ord:	-99.4176837 39.0820557 2310' FNL 2310' FWL		
Longitude: Latitude: N/S Co-ord: E/W Co-ord:	-99.4176837 39.0820557 2310' FNL		
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Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr:	-99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721	Name:	CAMERON BRIN
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr: Logged By:	-99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721 Geologist DISCOVERY DRILLING CO., II		CAMERON BRIN
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Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date:	-99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721 Geologist DISCOVERY DRILLING CO., II 2 MUD ROTARY 5/15/2019 5/23/2019	NC Time: Time:	2:45 PM 5:10 PM

K.B. Elevation: 1988.00ft

Ground Elevation: 1980.00ft

K.B. to Ground: 8.00ft

### NOTES

# RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE, LOG ANALYSIS AND RESIVOIR DEVELOPMENT AS INDICATED BY DST #1

OPEN HOLE LOGGING PROVIDED BY: ELI

DUAL INDUCTION LOG, COMPENSATED DENSITY/ NEUTRON LOG, AND MICRO LOGS WERE COMPLETED

DRILL STEM TESTING PROVIDED BY: TRILOBITE TESTING, INC ARBUCKLE (3422' to 3509') CONVENTIONAL BOTTOM HOLE TEST

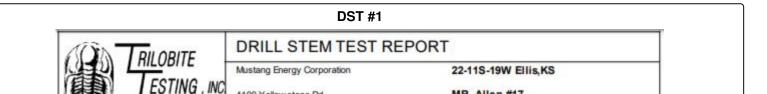
### WELL COMPARISON SHEET

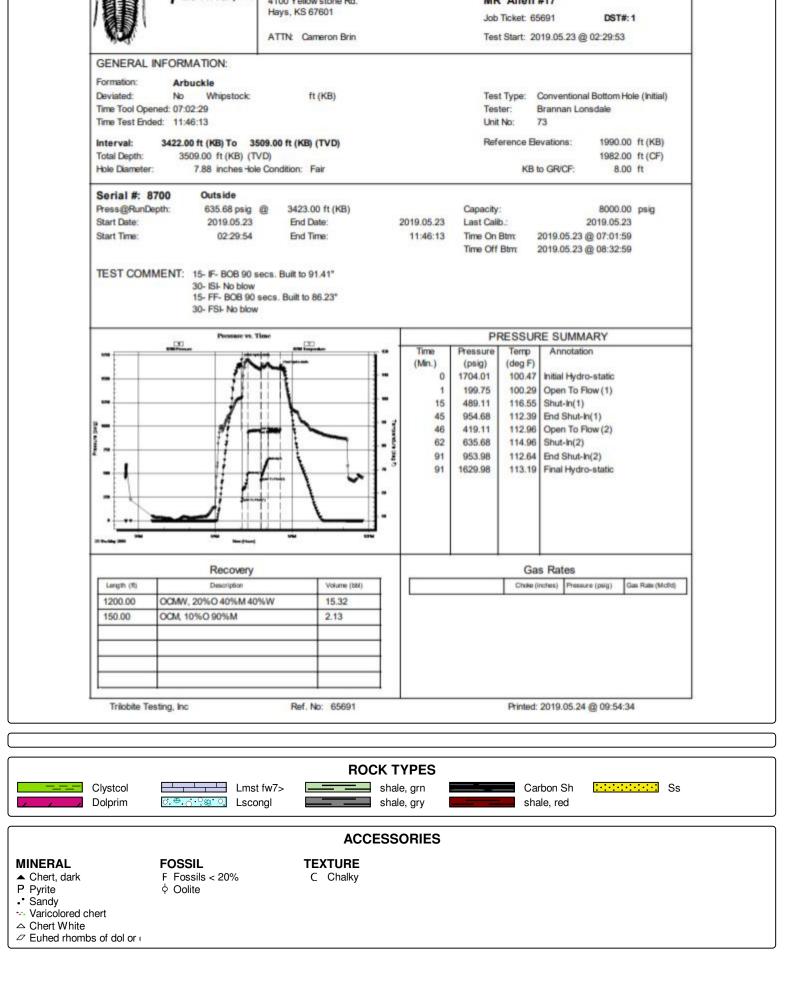
3							_	
	Mustang Energy Corporation Skelly Oil Company		T.E. Anderson & Solomon Production		Mustang Energy Corporation			
	M.R. A	llen #17	Mauder R. Allen	#8	M.R. Allen #11		M.R. Allen #	13
			Producing		Producing	Producing		
	SE SE NW 2	22-11S-19W	NE SE NW 22-11S-19W		SE SW SE NW 22-11S-19W		W2 NW SE NW 22-	11S-19W
	KB	1988	KB 1967		KB 1996		KB 1964	
Formation	Sample Tops	Log Tops	Log Tops	. 1	Log Tops		Log Tops	
Anhydrite	1278' (+710)	1278' (+710)	1256' (+711)	-1	1277' (+719)	-9	1251' (+713)	-3
Base	1314' (+674)	1312' (+676)	1291' (+676)	0	1320' (+676)	-2	1294' (+670)	+4
Topeka	2938' (-950)	2937' (-949)	2915' (-948)	-1	2940' (-944)	-5	2913' (-949)	0
Heebner	3160' (-1172)	3160' (-1172)	3136' (-1169)	-3	3161' (-1165)	-7	3133' (-1169)	-3
LKC	3201' (-1213)	3202' (-1214)	3177' (-1210)	-4	3203' (-1207)	-7	3176' (-1212)	-2
BKC	3426' (-1438)	3425' (-1437)	3400' (-1433)	-4	3426' (-1430)	-7	3499' (-1535)	-2
Arbuckle	3504' (-1516)	3504' (-1516)	3481' (-1514)	-2	3501' (-1505)	-11	3479' (-1515)	-1

### **Daily Activity Summary**

- 5/15/19 R.U., SPUD @ 2:45PM, DRILLING, 8 5/8" SURFACE CASING SET @ 237' KB w/150 SKS COMMON 2%GEL & 3%CC, WOC
- 5/16/19 286', DRILLED PLUG @ 6:00AM, DRILLING
- 5/17/19 1798', DRILLING
- 5/18/19 2258', TWISTED OFF JOINT OF HW PIPE, FISHED w/ MAGNET, DRILLING, TWISTED OFF DRILL COLLAR PIN @ 2:00 PM, RAN OVERSHOT IN THE HOLE AND GOT STUCK ONCE ON THE FISH, GOT OFF OF FISH, TOH, TIH w/ BIT, CTCH, SHORT TRIP 20 STANDS, CTCH, TOH, START IN WITH WASHPIPE
- 5/19/19 2441', TIH WITH WASHPIPE, TOH, MUD UP @ 2441'
- 5/20/19 2441', TOH, WATING ON DRILL COLLARS, TIH, DRILLING
- 5/21/19 2847', DRILLING, CFS @ 2978, DRILLING, TOH TO CHANGE BIT
- **5/22/19** 3255', TIH, DRILLING
- **5/23/19** 3509', CFS @ 3509, SHORT TRIP (25 STANDS), CCH, TOWB, TIWT, DST #1 3222'-3509', TOWT, TIWB,
- DRILLING, RTD 3590' @ 5:10pm, TOWB, LOGGING

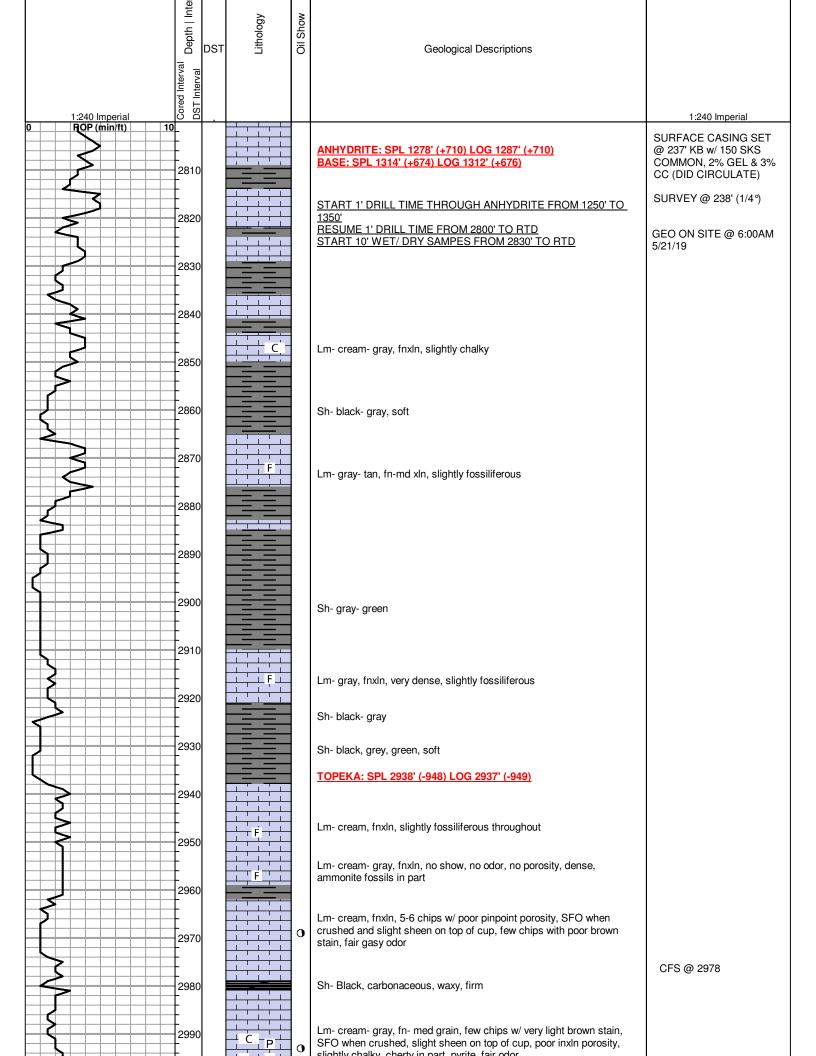
5/24/19 3590', RAN PRODUCTION CASING AND CEMENT, COMPLETED @10:15am, RIG RELEASED @10:45am

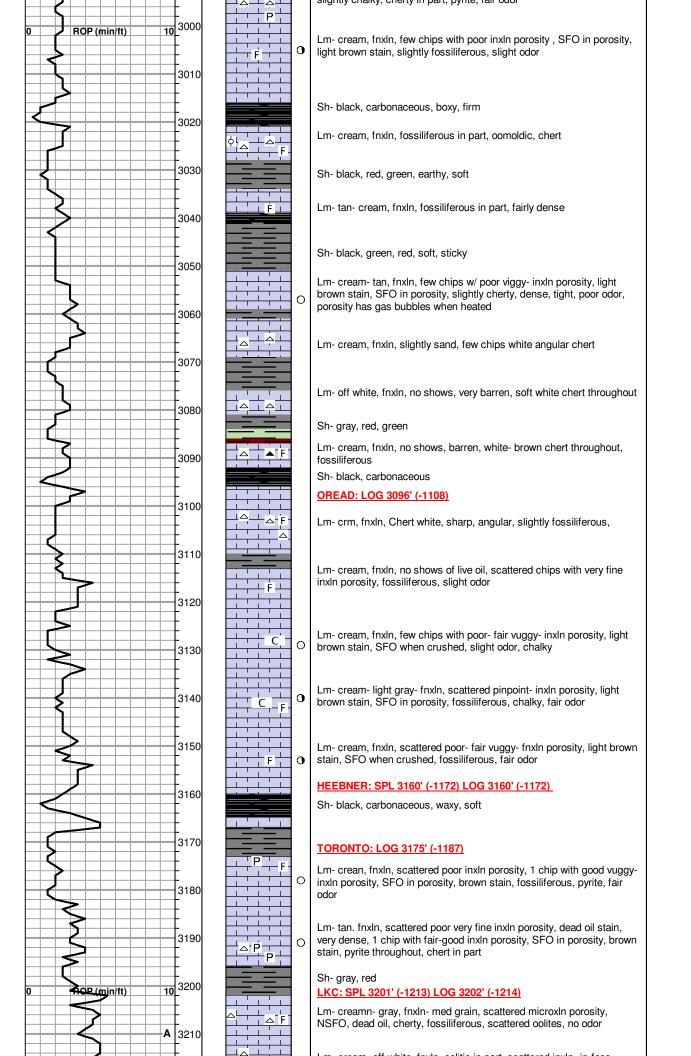


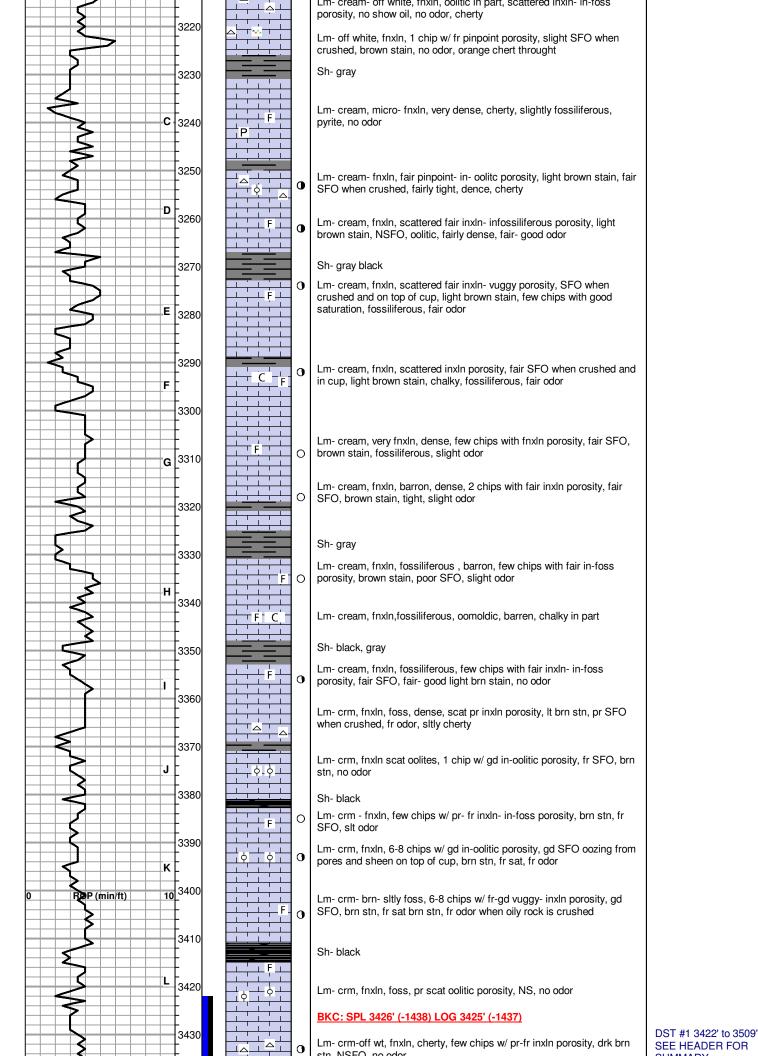


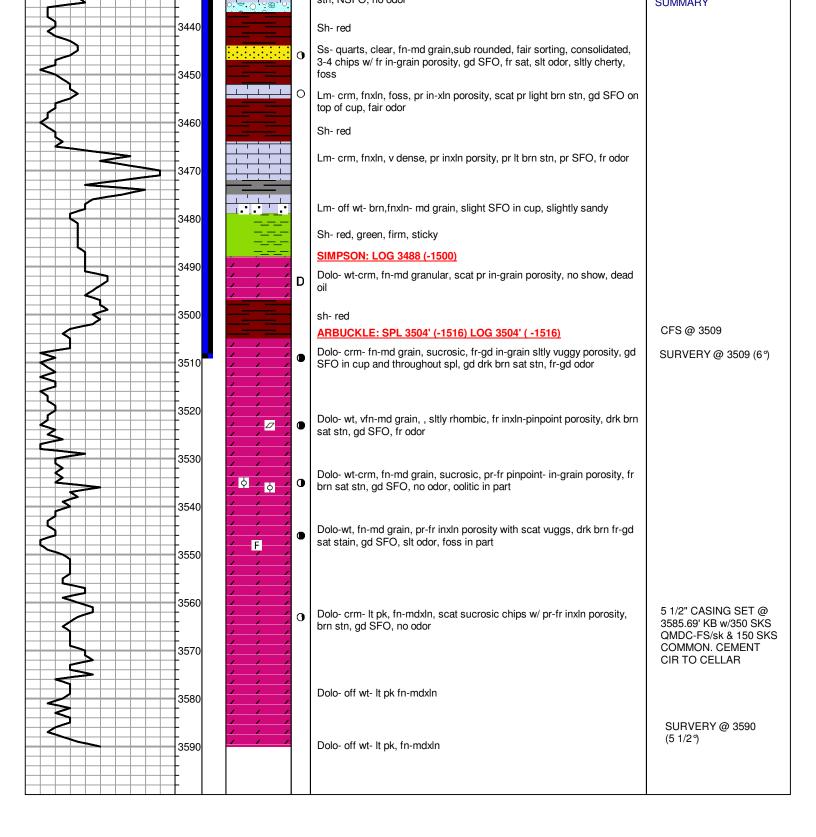
Curve Track #1
ROP (min/ft)

vals











# DRILL STEM TEST REPORT

Prepared For:

# Mustang Energy Corporation

4100 Yellowstone Rd. Hays, KS 67601

ATTN: Cameron Brin

### MR Allen #17

## 22-11S-19W Ellis,KS

 Start Date:
 2019.05.23 @ 02:29:53

 End Date:
 2019.05.23 @ 11:46:13

 Job Ticket #:
 65691
 DST #: 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 Mustang Energy Corporation

	DRILL STEM TES	ORT					
RILOBITE	Mustang Energy Corporation		22-*	11S-19W	V Ellis,K	S	
ESTING , INC			MR	Allen	#17		
	Hays, KS 67601		Job	Ticket: 65	5691	DST	#:1
	ATTN: Cameron Brin		Test	Start: 20	)19.05.23 (	@ 02:29:53	3
GENERAL INFORMATION:	•						
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:07:02:29Time Test Ended:11:46:13	ft (KB)		Test Test Unit	ter: E	Convention Brannan Lo 73		Hole (Initial)
Interval:3422.00 ft (KB) To3Total Depth:3509.00 ft (KB) (THole Diameter:7.88 inches Hole			Refe	erence Ele KB te	evations: o GR/CF:	1982.	00 ft (KB) 00 ft (CF) 00 ft
	End Date: End Time: secs. Built to 91.41" secs. Built to 86.23"	2019.05.23 11:46:13	Capacity: Last Calit Time On I Time Off	o.: Btm: 2	2019.05.23 2019.05.23	2019.05. @ 07:01:	59
30- FSI- No blov Pressare vs.	Time		PF	RESSUR	RE SUMN	IARY	
1750	5700 Temperature 120	Time	Pressure	Temp	Annotat		
1500		(Min.) 0	(psig) 1704.01	(deg F) 100.47	Initial Hyd	ro-static	
		1	199.75	100.29	Open To	Flow (1)	
		15 45	489.11 954.68	116.55 112 30	Shut-In(1) End Shut-		
		46	419.11		Open To		
		62	635.68		Shut-In(2		
21 Thu May 2019		91 91	953.98 1629.98	112.64 113.19			
Recovery				Gas	s Rates		
Length (ft) Description	Volume (bbl)			Choke (ii	nches) Press	ure (psig)	Gas Rate (Mcf/d)
1200.00 OCMW, 20%O 40%M 40				-			
150.00 OCM, 10%O 90%M	2.13						
↓							

	DRILL STEM TES	TREP	ORT			
RILOBITE	Mustang Energy Corporation	22-11S-19W Ellis,KS				
ESTING , INC.	4100 Yellow stone Rd.	MR Allen #17				
	Hays, KS 67601	Job Ticket:	DST#:1			
	ATTN: Cameron Brin		Test Start:	2019.05.23 @	02:29:53	
GENERAL INFORMATION:						
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:07:02:29Time Test Ended:11:46:13	ft (KB)		Test Type: Tester: Unit No:	Convention Brannan Lo 73	al Bottom Hole (Initial) nsdale	
Interval:3422.00 ft (KB) To35Total Depth:3509.00 ft (KB) (TvHole Diameter:7.88 inchesHole	/D)		Reference	Elevations: B to GR/CF:	1990.00 ft (KB) 1982.00 ft (CF) 8.00 ft	
Serial #: 6771InsidePress@RunDepth:psigStart Date:2019.05.23Start Time:02:29:37	@ 3423.00 ft (KB) End Date: End Time:	2019.05.23 11:45:56	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2019.05.23	
TEST COMMENT: 15- IF- BOB 90 s 30- ISI- No blow 15- FF- BOB 90 s 30- FSI- No blow	ecs. Built to 91.41" secs. Built to 86.23"	_				
Pressure vs. T a 671 Resure	ime ፩//1 Terpendure			JRE SUMM		
1750		Time (Min.)	Pressure Temp (psig) (deg F		on	
100 100 100 100 100 100 100 100						
Recovery		,	as Rates			
Length (ft) Description	Volume (bbl)		Chok	e (inches) Press	ure (psig) Gas Rate (Mcf/d)	
1200.00 OCMW, 20%O 40%M 40%				. —		
150.00 OCM, 10%O 90%M	2.13					
	<b> </b>					

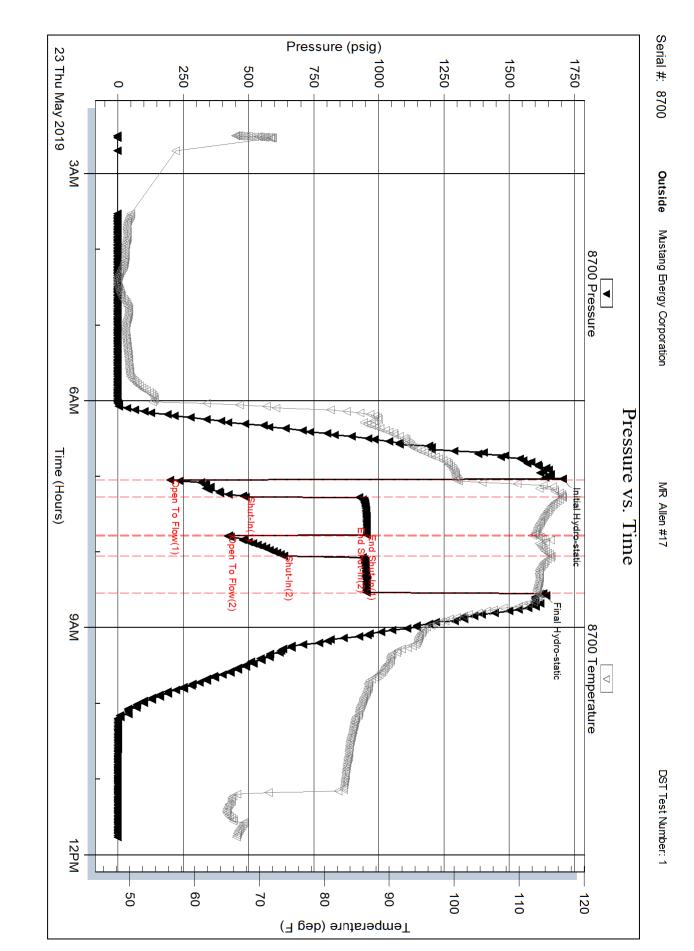
		DITE	DRI	LL STE	<b>M TEST</b>	REPOF	RT	TOOL DIAGRA
	RILOE	511E	Mustan	g Energy Cor	poration		22-11S-19W Ellis,	۲S
	<b> </b> ES1	TING , INC	41001	ellow stone R	d.		MR Allen #17	
			Hays, k	KS 67601			Job Ticket: 65691	DST#: 1
			ATTN:	Cameron Bri	in		Test Start: 2019.05.23	@ 02:29:53
Tool Informatio	on							
Drill Pipe:	Length:	3162.00 ft	Diameter:	3.82 in	ches Volume:	44.82 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	247.00 ft	Diameter:	2.75 in	ches Volume:	1.81 bbl	Weight set on Pack	er: 25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 in	ches Volume:	0.00 bbl	Weight to Pull Loose	e: 60000.00 lb
Drill Dino Above I	VD.	7.00 ft			Total Volume:	46.63 bbl	Tool Chased	0.00 ft
Drill Pipe Above A Depth to Top Pac		7.00 ft 3422.00 ft					String Weight: Initia	
Depth to Bottom I		3422.00 It					Final	58000.00 lb
Interval between		87.00 ft						
Tool Length:	n donoro.	107.00 ft						
Number of Packe Tool Comments:	ers:	2	Diameter:	6.75 in	ches			
Number of Packe Tool Comments:		2						
Number of Packe Tool Comments: Tool Descriptio	on	2	ngth (ft)	6.75 in Serial No.	ches Position	• • • •	Accum. Lengths	
Number of Packe Tool Comments: <b>Tool Descriptio</b> Change Over Sul	on	2	<b>ngth (ft)</b> 1.00			3403.00	Accum. Lengths	
Number of Packe Tool Comments: <b>Tool Descriptio</b> Change Over Sul Shut In Tool	on	2	<b>ngth (ft)</b> 1.00 5.00			3403.00 3408.00	Accum. Lengths	
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool	on	2	ngth (ft) 1.00 5.00 5.00			3403.00 3408.00 3413.00	-	
Number of Packe Tool Comments: Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Packer	on	2	<b>ngth (ft)</b> 1.00 5.00 5.00 5.00			3403.00 3408.00 3413.00 3418.00	Accum. Lengths 20.00	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer	on	2	ngth (ft) 1.00 5.00 5.00 5.00 4.00			3403.00 3408.00 3413.00 3418.00 3422.00	-	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer	on	2	ngth (ft) 1.00 5.00 5.00 5.00 4.00 1.00	Serial No.		3403.00 3408.00 3413.00 3418.00 3422.00 3422.00	-	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Description Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb	on	2	ngth (ft) 1.00 5.00 5.00 5.00 4.00			3403.00 3408.00 3413.00 3418.00 3422.00 3423.00 3423.00	-	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder	on	2	ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00 0.00	Serial No.	Position	3403.00 3408.00 3413.00 3418.00 3422.00 3423.00 3423.00 3423.00	-	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations	on b	2	ngth (ft) 1.00 5.00 5.00 5.00 4.00 1.00 0.00	<b>Serial No.</b> 6771	Position	3403.00 3408.00 3413.00 3418.00 3422.00 3423.00 3423.00	-	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations	on b	2	ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00 0.00	<b>Serial No.</b> 6771	Position	3403.00 3408.00 3413.00 3418.00 3422.00 3423.00 3423.00 3423.00	-	Bottom Of Top Packe
Number of Packe Tool Comments: <b>Tool Descriptio</b> Change Over Sul	on b	2	ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00 0.00 19.00	<b>Serial No.</b> 6771	Position	3403.00 3408.00 3413.00 3418.00 3422.00 3423.00 3423.00 3423.00 3442.00	-	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sul	<mark>on</mark> b	2	ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00 0.00 19.00 1.00	<b>Serial No.</b> 6771	Position	3403.00 3408.00 3413.00 3418.00 3422.00 3423.00 3423.00 3423.00 3423.00 3443.00	-	Bottom Of Top Packe

		DRILL STEM TEST REPORT			-		FLUID SUMMARY	
RILOBITI		Mustang Energy Corporation			22-115-19	W Ellis,KS		
					MR Allen			
		Hays, KS 67601			Job Ticket: 6	DST#:1		
	A	ATTN: Cai	meron Brin		Test Start: 2019.05.23 @ 02:29:53			
Mud and Cushion Info	ormation							
Mud Type: Gel Chem Mud Weight: 9.00 lt			Cushion Type: Cushion Length:		ft	Oil API: Water Salinity:	29 deg API 30000 ppm	
Viscosity: 48.00 s	-		Cushion Volume:		bbl	water Samily.	30000 ppm	
Water Loss: 8.39 ir			Gas Cushion Type:					
,	hm.m		Gas Cushion Pressure:		psig			
Salinity: 8500.00 p Filter Cake: ir	pm nches							
Recovery Information								
			Recovery Table					
	Length ft		Description		Volume bbl	]		
	1200	0.00 OC	XMW, 20%O 40%M 40%W		15.324	ŀ		
	150	0.00 00	CM, 10%O 90%M		2.126	3		
Tot	al Length:	1350.00 f	t Total Volume:	17.450 bbl				
Lat	m Fluid Samples: poratory Name: covery Comment		Num Gas Bombs: Laboratory Location 5@59deg	0	Serial #			

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Ref. No: 65691

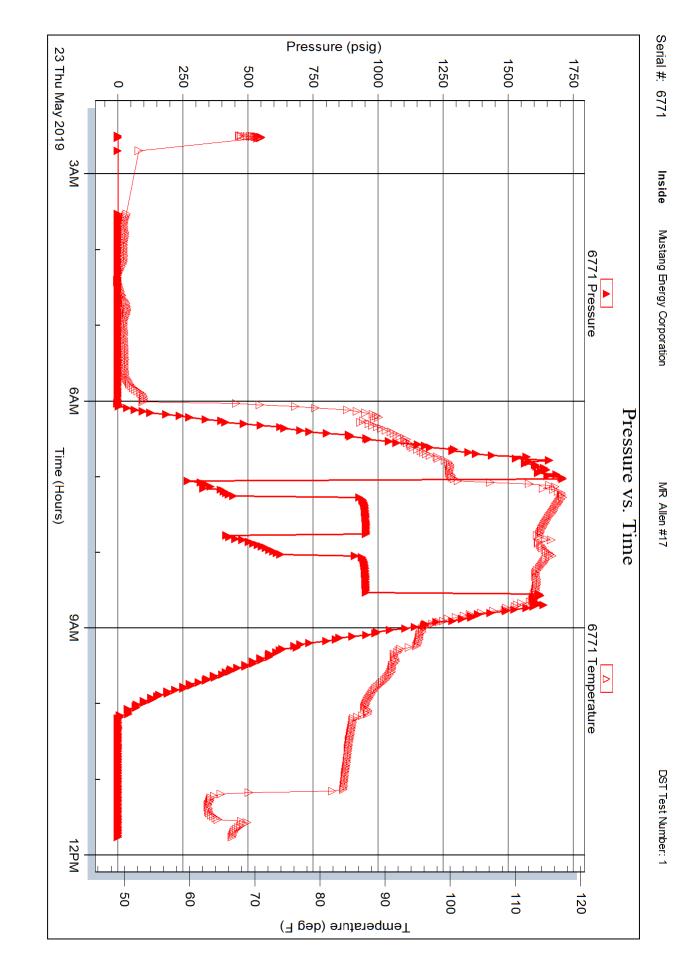




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Ref. No: 65691





<b>P2</b>	RILOBITE			Test	t Ticket	
4/10	ESTING INC. 515 Commerce Parkway	<ul> <li>Hays, Kansas 67601</li> </ul>	5.	NO.	65691	
Address <u>4100 Ver</u> Co. Rep / Geo. <u>(arwero</u> Location: Sec. <u>22</u> Interval Tested <u>3422</u> Anchor Length Top Packer Depth Bottom Packer Depth Total Depth	Energy Corpor Howstone RQ. He n Brin Twp 11 5 2-3509 87' 3417 3422	Anon KS 67661 Rge. 19 4 Zone Tested Ar Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides	_ Elevation _ _ Rig _ D < bo Duck be	190 covery E 3162 247	2	1982 GL 5 8,9 48 8,4 24
F57-N	to blen BOB 90 secs. Be o blen tot OCMW	alt to 86.23	3" %gas	20 %oil	40 %water	40%mud
1	t of OCNI		%gas	LO %oil	%water	90%mud
· ·	t of		%gas	%oil	%water	%mud
	t of		%gas	%oil	%water	%mud
	1 of		%gas	%oil	%water	%mud
Rec Total 1350		Gravity 29 Al				
(A) Initial Hydrostatic	1704	Test 1200			ocation	
(B) First Initial Flow		G Jars		S 1993 Carl Sector 201	ted	
(C) First Final Flow	1184	Safety Joint		 T Opp	n	< 0 al
(D) Initial Shut-In	C	Circ Sub		TDull	ed	0831
(E) Second Initial Flow		Hourly Standby		T-Out		1146
(F) Second Final Flow	A = 1	Mileage 44 P		Comn	nents <u>Shut-in</u>	tog
(G) Final Shut-In	0-11				verly plue	ged
(H) Final Hydrostatic		Sampler			fter te	-
(ii) inal liyerostatic		Straddle			M Tool	
Initial Open	15	Shale Packer			uined Shale Packer_	
	20	Extra Packer			uined Packer	
Initial Shut-In Final Flow		Extra Recorder			ktra Copies otal0	
	25	Day Standby			1000	
Final Shut-In		Accessibility				
		Sub lotal	24	Q	ST Disc't	
Approved By		Our l	Representative	Dranna	n Lonsdall	1

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