KOLAR Document ID: 1430007

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
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:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
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)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY				
Confidentiality Requested				
Date:				
Confidential Release Date:				
Wireline Log Received Drill Stem Tests Received				
Geologist Report / Mud Logs Received				
UIC Distribution				
ALT I II Approved by: Date:				

KOLAR Document ID: 1430007

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo		# Sacks Use		EEZE RECORD	Typo a	ad Paraant Additivas	
Perforate Protect Ca Plug Back	Top	Bottom	туре	pe of Cement # Sacks Used		,u	d Type and Percent Additives			
Plug Off Z										
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
✓ Vented ✓ Sold ✓ Used on Lease ✓ Open Hole				Dually		nmingled	Тор	Bottom		
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type Set At		Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)			Record	
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	MILLER 2-10
Doc ID	1430007

All Electric Logs Run

CPDCN Micro Log
Al Shallow Focused Elect Log
Comp Sonic w/Integrated Transit Time
Micro Log
Dual Receiver Cmt Bond Log

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	MILLER 2-10
Doc ID	1430007

Tops

Name	Тор	Datum
Howard Lst	2670	-41
Topeka Lst	2775	-43
Heebner	3068	-42
Lansing	3254	-45
Hush	3506	-46
B/KC	3543	-44
Viola	3701	-105
Simpson Shale	3803	-140
LTD	3856	0

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	MILLER 2-10
Doc ID	1430007

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugTyp e	BridgePlugSet At	Material Record
4	3730	3740			500gals 20% MCA Acid, w/additives
					1,000gals 10% NE/FE Acid, w/additives
					2,000gals 10% NE/FE Acid, w/additives
2	3722	3724			500gals 15% MCA Acid, w/additives
					1,000gals 15% NE/FE Acid, w/additives
					88,600# 30/50 Mesh Brwn Sd, 50,000# 16/30 Mesh Brwn Sd
					10,000# Resin Coated 16/30 Mesh
					490gals Additives, 6,655bbls Water

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	MILLER 2-10
Doc ID	1430007

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	168	Common		2%CC,1/4 #sx Flocele
Production	7.875	5.50	15.5	3820	Class A	150	2%CC, 3%Gel
Production	7.875	5.50	0	0	0	25	Rat Hole



Company: Grand Mesa Operating Company

Operation:

Uploading recovery & pressures

Lease: Miller #2-10

SEC: 10 TWN: 23S RNG: 10W

County: RENO State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 10

Elevation: 1765 GL

Field Name: Zenith-Peace Creek

Pool: WILDCAT Job Number: 230

DATE September

20 2018 **DST #1** Formation: Viola Test Interval: 3720 -Total Depth: 3780'

3780'

Time On: 01:29 09/20 Time Off: 10:49 09/20

Time On Bottom: 04:20 09/20 Time Off Bottom: 08:20 09/20

Electronic Volume Estimate: 1513'

1st Open Minutes: 30 **Current Reading:** 50" at 30 min

Max Reading: 50"

1st Close Minutes: 60 **Current Reading:** 0" at 60 min Max Reading: 0"

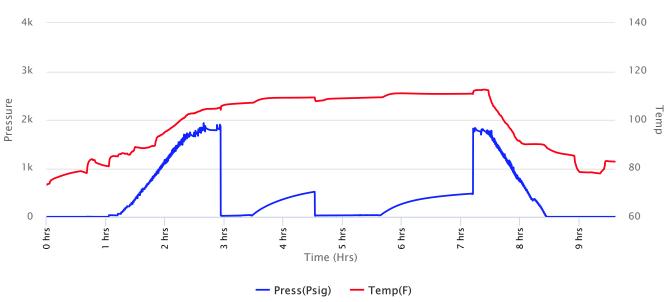
2nd Open Minutes: 60 **Current Reading:** 116.6" at 60 min

2nd Close Minutes: 90 **Current Reading:** 0" at 90 min

Max Reading: 116.6"

Max Reading: 0"

Inside Recorder





Operation:

Uploading recovery & pressures

SEC: 10 TWN: 23S RNG: 10W

County: RENO State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 10

Elevation: 1765 GL

Field Name: Zenith-Peace Creek

Pool: WILDCAT Job Number: 230

DATE September 20 2018

Total Depth: 3780' **DST #1** Formation: Viola Test Interval: 3720 -

3780'

Time On: 01:29 09/20 Time Off: 10:49 09/20

Time On Bottom: 04:20 09/20 Time Off Bottom: 08:20 09/20

Recovered

<u>Foot</u>	BBLS	Description of Fluid
1777	24.6529783	G
50	0.246	SLOCM

Gas % Oil % Water % Mud % 100 0 0 0 0 1 99 0

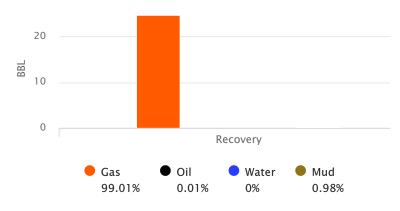
Total Recovered: 1827 ft

Total Barrels Recovered: 24.8989783

Reversed	Out
NO	

Initial Hydrostatic Pressure	1791	PSI
Initial Flow	20 to 38	PSI
Initial Closed in Pressure	517	PSI
Final Flow Pressure	22 to 32	PSI
Final Closed in Pressure	479	PSI
Final Hydrostatic Pressure	1791	PSI
Temperature	111	°F
Pressure Change Initial	7.3	%
Close / Final Close		

Recovery at a glance





DST #1

Uploading recovery & pressures

Operation:

State: Kansas

County: RENO

Drilling Contractor: WW Drilling, LLC -

Rig 10

Elevation: 1765 GL

Field Name: Zenith-Peace Creek

SEC: 10 TWN: 23S RNG: 10W

Pool: WILDCAT Job Number: 230

DATE

September

20 2018 Formation: Viola

Test Interval: 3720 -

Total Depth: 3780'

3780'

Time On: 01:29 09/20 Time Off: 10:49 09/20

Time On Bottom: 04:20 09/20 Time Off Bottom: 08:20 09/20

BUCKET MEASUREMENT:

1st Open: 1/4 Blow. Built to 50 inches in 30 mins

1st Close: NOBB

2nd Open: BOB Instantly

2nd Close: NOBB

REMARKS:

Tool Sample: 10% Gas 10% Oil 4% Water 76% Mud



SEC: 10 TWN: 23S RNG: 10W County: RENO

County: RENO State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 10

Elevation: 1765 GL

Field Name: Zenith-Peace Creek

Pool: WILDCAT Job Number: 230

Operation:

Uploading recovery & pressures

DATE

September

20

2018

DST #1

Formation: Viola

Test Interval: 3720 -

Total Depth: 3780'

3780'

Time On: 01:29 09/20

Time Off: 10:49 09/20

Time On Bottom: 04:20 09/20 Time Off Bottom: 08:20 09/20

Down Hole Makeup

Heads Up: 9.35 FT

Packer 1: 3714.5 FT

Drill Pipe: 3577.71 FT

Packer 2: 3720 FT

ID-3 1/2

Top Recorder: 3703.42 FT

Weight Pipe: FT

Bottom Recorder: 3759 FT

ID-2 7/8

Collars: 118.07 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 34.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 60

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 32 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 22 FT 4 1/2-FH



County: RENO State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 10

Elevation: 1765 GL

Field Name: Zenith-Peace Creek

SEC: 10 TWN: 23S RNG: 10W

Pool: WILDCAT Job Number: 230

Operation:

Uploading recovery & pressures

DATE

September

20 2018

DST #1

Formation: Viola

Test Interval: 3720 -

Total Depth: 3780'

3780'

Time On: 01:29 09/20 Time Off: 10:49 09/20

Time On Bottom: 04:20 09/20 Time Off Bottom: 08:20 09/20

Mud Properties

Mud Type: Chem Weight: 9.1 Viscosity: 55 Filtrate: 10.2 Chlorides: 6500 ppm



State: Kansas

Drilling Contractor: WW Drilling, LLC -

SEC: 10 TWN: 23S RNG: 10W

Rig 10

Elevation: 1765 GL

County: RENO

Field Name: Zenith-Peace Creek

Pool: WILDCAT Job Number: 230

Operation:

Uploading recovery & pressures

DATE

September 20 2018

DST #1 Formation: Viola Total Depth: 3780' Test Interval: 3720 -

3780'

Time On: 01:29 09/20 Time Off: 10:49 09/20

Time On Bottom: 04:20 09/20 Time Off Bottom: 08:20 09/20

Gas Volume Report

1st Open 2nd Open

Γ	Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D



TICKET NUMBER 54231 LOCATION EL DOINDOLES FOREMAN FUZZY

620-431-92 DATE	10 or 800-467-8676	1 A 2000 A .		MENT		oic #8	19771
	CUSTOMER#		NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9.21.18 CUSTOMER	3014	m. 11-	R 2.10	10	23	10	Reno
/ 40	M 254 0	26000		TRUCK #	DDMED		
MAILING ADDRI	ESS	75 1 3 170		760	DRIVER	TRUCK#	DRIVER
1700	water Cia	at Bld=	600	775	Chance		-
CITY	S	STATE	ZIP CODE	725	60724		
Wich	14	Ks	67206	163	20721		
JOB TYPE P	eduction +	OLE SIZE		EPTH 3860'	CASING SIZE & W	FIGHT 5 11.	15.5
CASING DEPTH	3825'	RILL PIPE	TUBING			OTHER	
SLURRY WEIGH		LURRY VOL_3	9.5 WATER	gal/sk_ G , Y	CEMENT LEFT in		*
DISPLACEMENT		ISPLACEMENT			RATE		
REMARKS: 5.	esity mea	Your or	W. W *4	. Pun Flow	d Equip	· Tuch	12845
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and 1	phenos.	-		sh pump a	nd times		
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					Thai	LP5	
					FU224	# CLAC	N
ACCOUNT							
CODE	QUANITY or	UNITS	DESCRIPTIO	N of SERVICES or PRO	DUCT	UNIT PRICE	TOTAL
(60452)	1		UMP CHARGE				
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CC58004	175	SK5	Class A' C.				
1259654	500	. 4	Gel				
CC53250	350	, **	calcium c	hloude			
(660770	875	*	Kelstal				
(66079)	- (7		Phenosea	(
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n 3737						SALES TAX	
13131	10 1	111				ESTIMATED	
THORIZTION	61/ 1	lo V				TOTAL	
THURIZION		A CONTRACT OF A	TITLE				

account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form-



TREATMENT REPORT

Customer Mess Quergins Lease No.											Date 9/1/						
Lease M	Her.				Well # 2 - /()								/ /	61	20	18	
Field Order #	Station	1	7-92	1,10	S			Casing	5/8	Depth	168-	County	1/20	no		State	165
Type Job	2421	1	1717	85	F	SUL	13	ce	For	mation	10-1	70		Legal D	escription /	0-23	5-10
PIPE	DATA		PERF	ORAT	ING	NG DATA FLUID U			JSED			-	TREATMENT RESUME				1
Casing Size	Tubing Siz	ze	Shots/F				Aci	id			RATE PRESS			SS	ISIP		
Depth /68	Depth		From	$\neg \neg$	То		Pre	Pre Pad			Max				5 Min.		
Volume O. 7	Volume		From		To Pa		Pa	Pad			Min				10 Min.		
Max Press	Max Press	S	From		То		Fra	ac			Avg				15 Min.	2	
Well Connection	Annulus V	ol.	From		То						HHP Use	d			Annulus I	Pressure	
Plyg Depth	Packer De	epth	From		То		Flu	00.70			Gas Volu				Total Loa	d	
Customer Repre	esentative	200	Stin	Da		Station	Man	nager Jus	tin	Wes	Felme,	Trea	ater]	95.7	, Fre	AKI	Ď
Service Units	2911	-	1980	205	6	1996	9	73768		ņř.				-		- 4	
Driver Names	Dean.	B	9	Fa	٠	Jos	-	Jesse	/								
Time	Casing Pressure		ubing essure	Bbls.	. Pum	ped		Rate					Servi	ce Log			
9.00pm							_	A	01	71	CE 91	con	153	FICHY	mee		
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1110	IAC				>				37		- mg)	1 /					
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Pro-Stim Chemicals_{LLC} **Acidizing Report** Date 10-3-18 Custonie Pro-Stim Chemical Yard Pro-Stim Number GLAND MASON NANGHAMA Wall Name & Number Formation st 2-10 MILLER County State Interval RENO 3730 - 3740 15 Well Type Completion au Recommetion [] Workover II OIID Gas L Water O Pisposal LI Peri O OHO Plug Depth Packer Depth Job Pumped Via Tubing 🐰 Casing = Annulus 🗆 CTU Combination C 3700 Casing Size GRD WT Depth Tubling Size. 5-1/2 Spot 27/8 Casing Vol Ann Vol Top Vol OH Vol .75 Total Displacement 21.5 5gals RAS-10, 24bbls 2% KCL Biocide Customer Representative Signature **Treatment Record** Increment Cum Pressure Tirise Type Fluid Rate BMP **Observations** Vol Bbls Vol Bbls Tubing Casing 41×D 1 BBL WALT STATE PULLED PALKER ALLD 3.4 4.5 ٠ 0 ILUSH 2.1.7 23 0 22.5 c# 400ka 1111 O 22.5 5 300 6 800 22.5 O 11 a 800 28 11 O 12.5 E CH CH 22 5 () 1000 60 11 cy 50 22 900 () SELL TREATED O LOS POR 42 11 23 5 300 Ċ 24.9 260 46 2.0 11 200 300 C 48 2 💆 32 C 300 O 49 11 0 34.4 200 Treatment Synopsis Fluid BPM Avg Inj Rate Total Injected H20 22.4 Acid Oil Treating Prs 200 Avg. Z & C 5.51 10/51 20 15 SI 73 110 30 }€ 20 25 40 50

Pro-Stim Chemicals_{LLC} **Acidizing Report** Date 10-4-18 MESA Customer Pro-Stim Chemical Yard Pro-Stim Number EKAND Well Name & Number Formation MILLER # 2 -10 County State interval RENG 3730 -3740 165 Well Type: Completion D Recompletion & Workover @ OID Gas 🗆 Water O Peri 🗆 OH O Disposal O Job Pumped Via Plug Depth Packer Depth Tubing d Casing D Annulus 🗆 CTUD Combination [] 3700 Casing Size GRD WT Depth **Tubing Size** Sport 51/2 27/8 3770 Casing Vol Tbg Vol Ann Vol OH Vol Total Displacement 95 22.4 1,000 GAL 10% NE/FE 10gals RAS-10, 24bbls 2% KCL Biocide Customer Representative Signature **Treatment Record** Increment Cum Pressure Type Fluid Time Rate BMP Observations Vol Bbls Vol Bbls Tubing Casing Acエカ 1 BOL WAIT SMIN PULL 2502275 SET PAIR 3.6 ACID 4.6 0 0 3.6 184 11 Car \Diamond 1.5 11 23.5 No. of Lot 0 WELL LOADED FLust 26 160 0 2 7 29 1 250 3.0 369 420 40 9 420 44 5 1) 0 430 0 474 250 6 Treatment Synopsis Avg Inj Rate Fluid BPM Total Injected H20 23.4 01 Acid Treating Prs Final 250 430 Avg ISIP 5'51 10'SI 100 15'SI 🞖 🖰

20

25

Pro-Stim Chemicals LLC Date **Acidizing Report** 10-5-18 Customer Pro-Stim Chemical Yard Pro-Stim Number TRANO. MESA Well Name & Number Formation MELLEY #2-10 County State RENO 3730 -3740 X3 Well Type Completion D Recompletion # Workover □ OID Gas 🗆 Ped D OHO Water U Disposal C Plug Depth Packer Depth Job Pumped Via: Tubing k Casing [7] Annulus 🗆 CTUD Combination D Casing Size: WT GRD Depth Tubing Size: Spot 5 1/2 27/8 3790 Casing Vol. OH Vol Tbg Vol Ann Vol Total Displacement 9 5 21 22.4 2,000gals 10% NE/FE Acid; 20gals RAS-10; 24bbls 2% KCL Biocide Customer Representative Signature Treatment Record Cum Increment Pressure Time Type Fluid Rate BMP Observations Vol Bbls Vol Bbls Tubing Casing ALLD BBL. 5007 WAST SAIN Duck 2 JULIUTS SET PACK ALLD 4.1 5.0 \circ 0 13,1 12 214 11 63 C> 25.9 20 20 0 WELL LOADED 41 28,5 400 \circ 41 36.3 490 O 44.5 530 O 48.5 560 ELUSH 0 548 580 13 590 45,0 4 11 630 69,0 0 11 0 72.0 300 0 Treatment Synopsis Avg Inj Rate Fluid BPM 40 Total Injected H20 24 Acid Oil 48 430 Final 100 Treating Prs Max Avg ISIP 300 5'81 15'SI /60 10'51 22 C 180 20 25 30

	g Report							Date 10 -	-10
Customer	EKAND A	<u>4E 5 A</u>	Pro-Sim C	renical tips	eNt h	1.4 mg Pa	o-Stim Number	A-13	
Yest Manus &	Market Market E	L + 2 -	10	Formali	•				
	(ENO			Sam / 5		N No.	3722	-3724	2
Well Type	Companies	Reconciletor	a Was	OW O OF	Gas CI	Water CI	Озроно	Perio One	
Job Puripad I	Va Turing A	Casago	Annalus C	CTVO 6	entheration CI	Plug Depte		Packer Depth	***************************************
Casing Scan	and the second of the second o		NT IS		Tabing Star		Spor	3.75	<u> </u>
Casing lini	51/2	786 900 _			OH Val	27/4	Total Displa		
	57	7 kg Vis Z			-			22	Geographic special
Costomer Rec	moantatiw Sgratum	500gals 15	% MCA A	cid; 5gals RAS-	0; 30bbls	2% KCL Bio	ocide		
				Treatment Re		entertalistica printerio (necessor) e esta e es			
Time	Type Frakt	Rate SMP	Increment	Curt	Pres		TOTAL STREET,	Observatora	
1 24	Acab		Vol Bois	Vol Bos	Tabog	Casing			
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Statement on the Annual Statement Statement	***************************************		***************************************		1	namente de la			
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Pro-Stim Chemicals LLC Date 10-11-18 **Acidizing Report** Pro-Stor Chamical Yard LUNIVENE #4 M Pro-Stim Number CLAND MESA 4-17 Formation A 2 - 10 MILLER leno Ks 3122-3724 West Type Recompletion Perf U OHO Completion O Worksver D OLC Gas C Olsposal III Plug Depth Packer Depth Job Pumped Vis: Tubing A Casing ID Asmulue D CTUG Combination D 3700 Casing Size: GRO Ceath Tubing Size Spot 27/4 Teg W 21.4 Cosing Vol. Ann Vol OH Vol Total Displacement -57 22 U 1,000gals 15% NE/FE Acid; 10gals SDA-95; 10gals RAS-10; 30bbls 2% KCL Biocide Customer Representative Signature Treatment Record increment Tune Type Fluid Rate BMP Observations Vol Blok Casing **Vol Bbis** Tubing 1.9 40 Artb 0 15.4 ,1 3.9 23 43 23.0 " 0 0 FLUSH 3.3 30 26.4 CAUCHT WELL 30.5 400 0 x 8 450 0 500 3.0 38:0 0 41.7 11 470 0 11 450 46.5 220 11 O Treatment Synopsis Awg Inj Rate Flui BPM Total Injected H20 11.5 Acid ON 36 24 158 90 220 Treating Pris Feed Z.Z. a (S)O 58 160 10'8 IZO

25

30

20

500



Pratt Yard #1718 PO Box 8613 (620) 672-1201 Pratt, KS 67124

			F	ield Ticket					
Customer:		Grand Mesa Operating Company		Customer No.			Invoice No:	1718-17425	ia zbz
Address:		1700 N Waterfront Parkway, Bldg 600		AFE No:			P.O. No:		
City, State, 2	Zip:	Wichita, KS 67206		Job Type:	15 Tank Slickwa	ter	Stage #	1	
Service District: Pratt, Kansas				Well Type:	Oil				
Well Name	and No:	Miller 2-10		County/Parish	Reno			State:	Kansas
Product	Invoice	Description	Unit of	Quanity	List		Gross	Amount	Net Amount
Code	Code		Measure		PricerUnit	Discount	100		
Products	1 0	20 FO Mark Day	Curt	224 00					
PB3050	0	30-50 Mesh Brown	Cwt	886,00 500,00	1				
PB1630 PRC1630	0	16-30 Mesh Brown Resin Coated, 16/30 mesh	Cwt	100.00					
PKC 1030	-	Reshi Coated, 10/30 mesh	CWI	100.00					
	—								
FR102	0	BES: C-Plexslick 957	Gal	195.00					
SF104	0	BES: C-Plexsurf 580 ME	Gal	70.00					
BK103	0	BES: C-Plexgel Breaker XPA	Gal	56.00					
KCL114		BES: C-Clayplex 650	Gal	139.00					
BIO102	0	BES: C-Plexcide P5	Gal	30.00					
	-								
						-			
			-						
	-								
Equipment :	and Services								
ME102	0	Heavy Equipment Mileage	Mi	385.00					
ME101	0	Light Vehicle Mileage	Mi	70.00					
DC104	0	Proppant and Bulk Delivery Charges	Tn/Mi	2,600.00					
BE100	0	Pump Truck	hr	10.00					
BE105	0	Blender	hr	2.00					
BE125	0	Densiometer	hr	2.00					
BE119	0	Computerized Liquid Chemical Additive Uni	hr	2.00					
ME134	0	Generic Proppant PumP Charge	Cwt	1,486.00	1				
BE111	0	Sand Field Storage Unit	hr	2.00					
ME106	0	Rental: 4" Frac Valve	Job	1,00					
BE132	0	Treatment Van, (Computerized Data monitor	hr	2.00	-				
BE129	Q	Service Supervisor	hr	2.00	-				
BE113	0	fron Truck	hr	2.00	-				
BE121	0	Manifold Trailer	hr	2.00					
renue. o		Pagis Economy Carriers has a second and the same Challet	torme of pole for	annowed specumen	ro total impien due on	or before the	C A	-4	-
30th day from the	date of involce-	Basic Energy Services has approved credit prior to sale. Credit Past due accounts may pay interest on the balance past due at	the rate of 1 1/4%	per month or the ma	ximum allowable by ag	oplicable state	Gross Amou	itet	
or fedöral laws if nereby agrees to	such laws limit in pay all fees dired	terest to a lesser amount. In the event it is necessary to employ city or indirectly inclured for such collection. In the event that Cu	an agency and/o stomer's accoun	or attorney to affect that with BES becomes o	e collection of said acc delinquent, BES has th	e right to revoke	Not Amoun		
any and all disco	unts previously a	pplied in arriving at net invoice price. Upon revocation, the full in	voice price witho	ut discount will become	ne immediately due and	s owing and	Customer Rep		John Johnson
SERVICE ORDE		WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCO	RDANCE WITH	TERMS AND CONDIT	TIONS (INCLUDING		Basic Represe	~	Mike Miquire
		IS) LISTED HERE OR IN THE CUSTOMER CONTRACT FORM				T AND SIGN F	Date os Servic		November 9, 2018
	ments or Court	WILLIAM /	4-1-2-1		10	1	11)		
-astonici Com	onomo pi Cum	111111111111111111111111111111111111111		1	ohe	# -	TuVa-	_	
			and the same of th	-		A STATE OF THE PARTY OF THE PAR	-	_	

All applicable Federal, State and Local Taxes will be added to final invoice.

Basic Energy Services appreciates any Comments, Concerns or Critisism's from our valuble customers as Safety and Customer Satisfaction are our Number 1 goal.

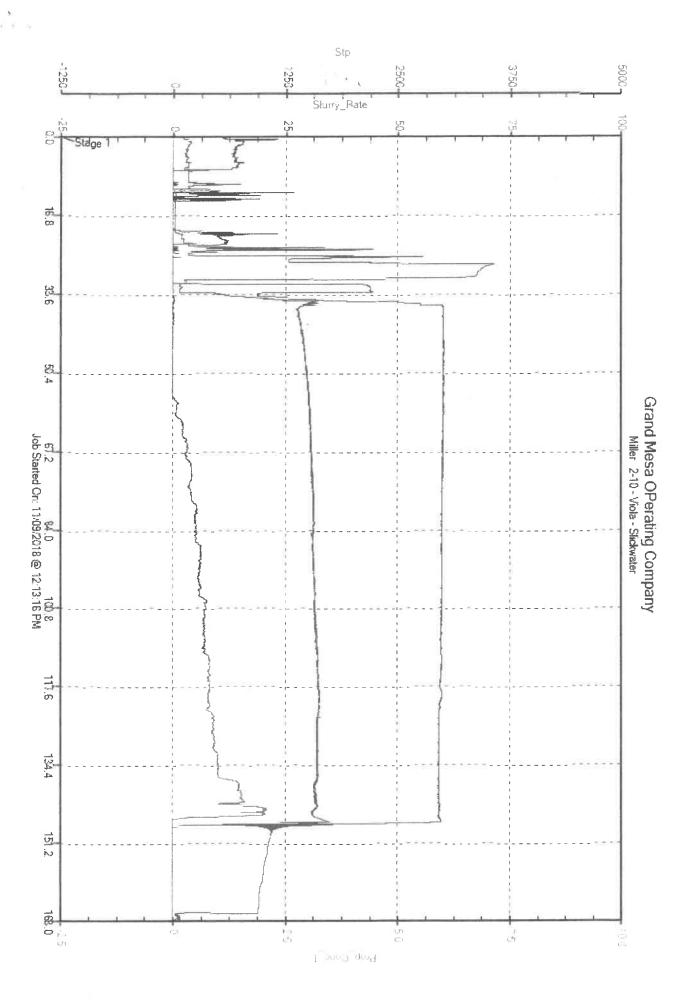
All comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance. We welcome them as a useful tool to improve our service-





Treatment Report

Customer: Grand Mesa Operating Company		District:	Pratt, Kansa	5		_Job#		Viola					
Date:					API#				Formation		Viola	-	
Lease/Well I		Miller 2-10			Well Type:	Oil			Field		1		
County, Stat	ie:	Reno, Kans	as		Job Type:	15 Tank Slick	The state of the s		Stage #	ACTOR S	Totals		
	C 13 01 20	Well Data	Blice Color		Set From	Set To	0 1 1116	Capacities	89 bbls	Class	6,655 bbls		
Casing Size	5.50"	15.50#	BBL/FT	0.0238	0 ft	3,740 ft	Casing bbls		89 0015	Slurry	6,818 bbls		
Casing Size			BBL/FT				Tubing bbls	-414	2 720		0 lbs	- 1	
Tubing Size			BBL/FT				Flush Volume &		3,739 gals	Proppani	0.03		
Tubing Size			BBL/FT				Flush Volume t	צומנ	89 bbls				
# of Perfs:	44	Perf Size:	0.40 in	Interval @	3,722 ft	3,740 ft		SECTION TO SE	TO SUCCESSION OF THE			Tartic	
		Teller See		_	arrana and		b Details			-	Table	_	
	Name		BBLS	Stage			ry BBLS		Proppant		Total		
	t Pad	-	obls	-1	t.4		bbls						
	L 30/50		obls	star			bbls						
	ottom		bls	4	t.6		bbls						
	rt .2		obls	star			bbls						
sta	rt.3	0 b	obls	star	t .8		bbls						
ISIP	1153	_		Min	Max	Average	Pum	os on Location	n6	i	Time		
5 Min	1054	Treating	Pressure	1,421 psi	1,613 psi	1,515 psi	F	luid Ends Los	t		_	l l	
10 Min	1001	- Treatir	ng Rate	59 psi	60 psi	60 psi			:		M. L. McGuire		
15 Min 961 Frac Gradient					0.74 psi/ft			Sustomer Rep					
23 191111	201	111.0715/W 181	Manual Co.	SOME STATE	No. of the last	Tros	tment Data	docorrer rep		08.95 Par			
200000000000000000000000000000000000000			Clas	an BBLS	Clure	y BBLS	Proppa	ent lhs			1		
Time (Military)	STP	Rate	Stage	Total	Stage	Total	Stage	Total	Stage 1	Name	Proppant	PPG	
12:05			Juge	1000							Safety Meeting		
12:40											Test Lines		
12:44	1,421 psi	60.0							Start	Pad			
13:08	1,509 psi	60.0				1,333			Start .1	30/50			
13:09	1,509 psi	60.0				1,422			on bo	ttom			
13:12	1,525 psi	60.0				1,572			Star	t.2			
13:13	1,524 psi	60.0				1,661	1 1 1		on bo	ttom			
13:16	1,525 psi	60.0				1,860			star	t.3			
13;18	1,538 psi	60.0				1,949			on bo	ttom			
13:22	1,543 psi	60.0				2,150			star	t.4			
13:23	1,543 psi	60.0				2,239			on bo				
13:31	1,567 Psi	60.0				2,683			star			_	
13:32	1,560 psi	60.0				2,772			on bo				
13:40	1,565 psi	60.0				3,219			star			_	
13:41	1,555 psi	60.0				3,308			on bo				
13:51	1,584 psi	59.7				3,904			star				
13:52	1,578 Psi	59.7				3,993			on bo				
14:03	1,607 psi	59.6				4,641			star				
14:05	1,613 Psi	59.8		-		4,730			on bo			-	
14:16	1,631 Psi	59.8	-			5,381			start .9		1		
14:17	1,607 psi	59.8				5,470			on bo				
15:24	1,607 Psi	59.2				5,877			on bo		<u> </u>		
15:26	1,602 psi	59.2				5,966	<u> </u>		start				
15:30	1,591 psi	59.2			-	6,226			on bo		+	-	
15:31	1,572 psi	59.2		-		6,315 6,583			Start 2				
15:37	1,568 Psi	59.3		-					on bo				
15:38	1,572 psi	59,3				6,682			Start				
15:38	1,568 psi	59,3		-		6,802			Shut o				
15:40	1,153 psi			-		V,002	-		3				
		77											
		-				-							
							-						
										4-94	k-1		
		-											



Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



Phone: 316-337-6200 Fax: 346-337-6211 http://kcc.ks.gov/

Laura Kelly, Governor

Dwight D. Keen, Chair Shari Feist Albrecht, Commissioner Jay Scott Emler, Commissioner

January 30, 2019

Michael J. Reilly Grand Mesa Operating Company 1700 N WATERFRONT PKWY BLDG 600 WICHITA, KS 67206-5514

Re: ACO-1 API 15-155-21759-00-00 MILLER 2-10 SW/4 Sec.10-23S-10W Reno County, Kansas

Dear Michael J. Reilly:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 09/15/2018 and the ACO-1 was received on January 30, 2019 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



OPERATING COMPANY

(316) 265-3000 FAX: (316) 265-3455 1700 N. WATERFRONT PARKWAY BLDG. 600 WICHITA, KANSAS 67206-5514

Scale 1:240 (5"=100') Imperial **Measured Depth Log**

Well Name: #2-10 MILLER

API: 15-155-21759

Location: 1950 FSL, 1273FWL SEC 10-23S-10W RENO COUNTY KANSAS

License Number:

Spud Date: 09/14/2018

To: RTD

Region: Drilling Completed: 09/21/2018

Surface Coordinates: Lat: 38.0618

Long: -98.4128

Bottom Hole Vertical hole

Coordinates:

Ground Elevation (ft): 1765

K.B. Elevation (ft): 1770

Total Depth (ft): 3860

Logged Interval (ft): SURF Formation: Simpson

Type of Drilling Fluid: Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

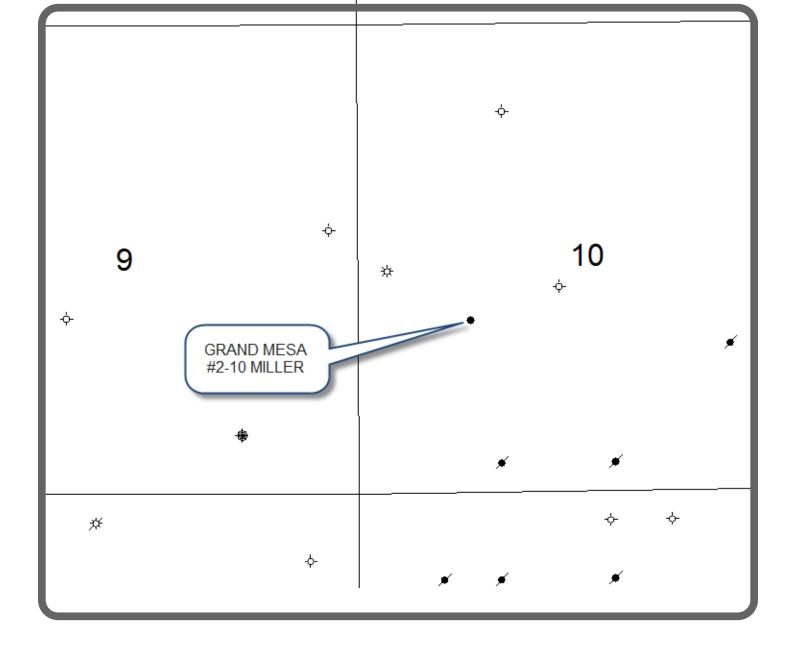
GEOLOGIST

Name: Steven P. Carl

Company: Grand Mesa Operating Company Address: 1700 N. Waterfront Parkway, Bldg 600

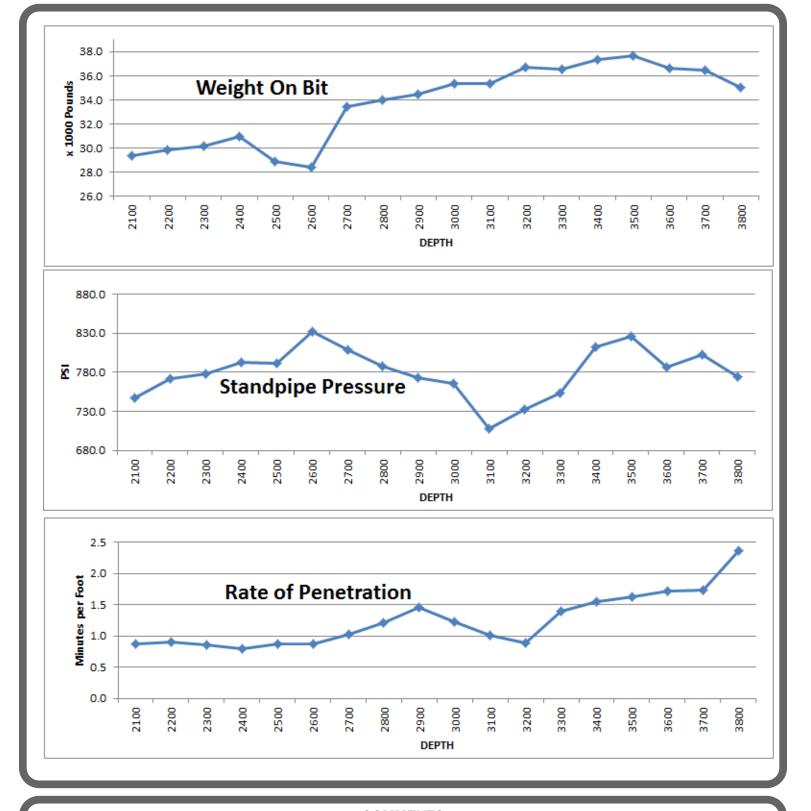
Wichita, Kansas 67206

316-256-3000



FORMATION TOPS

FORMATION	LOG T	OPS
	Depth	Datum
B/Stone Corral	443'	+1327
Tarkio	2445'	- 675
Howard	2670'	-900
Topeka	2774'	-1004
Heebner Shale	3068'	-1298
Lansing	3254'	-1484
Stark Shale	3476'	-1706
Hushpuckney Shale	3506'	-1736
BKC	3534'	-1764
Kinderhook SH	3626'	-1856
Viola	3700'	-1930
Simpson	3820'	-2050
rtd	3860'	-2090
LTD	3856'	-2086



COMMENTS

Contractor: WW RIG #4
Tool Pusher: DUSTIN DAY

Surface Casing: 8 5/8" SET AT 168', Cement by Basic.

Production Casing: 5 1/2" set at 3820', Cemented by QES Services

Mud by: MudCo

DST's by: DIAMOND TESTING

Logs by: Weatherford (DIL, CN-CD, ML, SON)

ROP and GAS by PASON

RTD=3860' LTD=3856'

Curve Track 1 ROP (min/ft) GAS	MD	Lithology	CFS Point	Oil Shows	Geological Descriptions	Remarks
O ROP (min/ft) 5 10 ROP (min/f	2250 2200 2150 2150				Base Stone Corral = 442, datum 1327 Chase Group = 1501, datum 269 9152018, MIRT 9162018, Drilled out, at 11am, 168' 917/2018, Drilling at 1598' 9182018, Drilling at 2715' 9192018, Drilling at 3485' 9202018, DST #1 at 3485' 9202018, Logging at 3660' 9222018, Running 5 1/2" casing	

