KOLAR Document ID: 1486478

Confiden	tiality Re	equested:
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: ()	
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:
	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.):	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)
	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 #:	
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: 1486478

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 Yes No (Attach Additional Sheets)				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 Perforate Top Bottom Protect Casing Plug Back TD Plug Off Zone Plug Off Zone		Туре	e of Cement	# Sacks Used		d Type and Percent Additives			
 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	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	MAUPIN 2
Doc ID	1486478

Tops

Name	Тор	Datum
Anhydrite	998'	(+911)
Topeka	2740'	(-831)
Heebner	2989'	(-1080)
Toronto	3008'	(-1099)
Lansing	3037'	(-1128)
Base/KC	3295'	(-1386)
Simpson Sand	3381'	(-1472)
Arbuckle	3388'	(-1479)
L.T.D.	3467'	(-1558)

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	MAUPIN 2
Doc ID	1486478

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	218	Common		3% C.C., 2% gel
Production	7.875	5.50	14	3467	Common	130	10% Salt, 5% Gilsonite

自动方法 物理体的 网络 0000172196

ard 1411日秋日下日均增加184

GLOBAL OIL FIELD SERVICES, LLC 13812

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DATE 9- 4-19	SEC. TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE Maupin	WELL #. 2	LOCATION /	s with Paradica KS +	a upido RD	COUNTY A	STATE
OLD OR NEW (CIR	CLE ONE)	TRUOSW PAR	origose of this presonal	OUSTOMER. For	nded directly for this contract ar-	option of GOD, refu
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		PTH 7/8	_ CEMENT	150	. 11 (series's fore c
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QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 . x Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No. 1605 Cell 785-324-1041 Sec. Twp. Range County State On Location Finish Date 9 0 ansas Location aradise Well No.7 Lease Owner To Quality Oilwell Cementing, Inc. Contractor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job Charge 20 Hole Size TD To Depth Csq Street Senth City State Tool Depth The above was done to satisfaction and supervision of owner agent or contractor. Cement Amount Ordered Cement Left in Csg Shoe Joint Meas Line Displace EQUIPMENT Common 2 No. Cementer Helper Pumptrk Poz. Mix Driver No. Bulktrl Gel. o el Driver No. Driver Driver Bulktrk Caleium **JOB SERVICES & REMARKS** Hulls Remarks: Salt OF Tally Rat Hole Flowseal Mouse Hole 30 SX Kol-Seal Centralizers Mud CLR 48 **Baskets** CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling / c50 iRC (11 Mileage DROD while **FLOAT EQUIPMENT** risq PAU HP Guide Shoe 5 Centralizer lege -Baskets # **AFU** Inserts RA Float Shoe 00 Latch Down ea TINO KOTO Pumptrk Charge Mileage Tax Discount Signature **Total Charge**

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 No. 1658 Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 Cell 785-324-1041 Sec. Range Twp. Çounty State On Location Finish RS 30 P 5 0 Date 44 Location Well No. Lease Owner To Quality Oilwell Cementing, Inc. Contractor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job Tol Charge Hole Size T.D. 0 men To Csq Depth Street Tbg. Size Depth City State Tool The above was done to satisfaction and supervision of owner agent or contractor. Depth **Cement Amount Ordered** Cement Left in Csg. Shoe Joint Meas Line Displace EQUIPMENT mD Commo Cementer No. Pumptrk Helper Poz. Mix Driver No. Bulktrk Gel. Driver 6 Driver No. Bulktrk Driver Calcium **JOB SERVICES & REMARKS** Hulls Remarks: Salt Rat Hole Flowseal Mouse Hole 1/Vp Kol-Seal Centralizers Mud CLR 48 **Baskets** CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling Mileage FLOAT EQUIPMENT 01 Guide Shoe Centralizer Baskets **AFU Inserts** Float Shoe 2 Latch Down Dort collar **Pumptrk Charge** Mileage Tax Discount **X** Signature Unalle Total Charge

QUALIT				L CE		ING, IN	C.	
Phone 785-483-1071 Cell 785-324-1041	H				ssell, KS 67665	No.	1660	
Date 12-5-19 10	Twp.	Range 15		County Rs	State 5	On Location	Finish 1.00 pm	
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JOB SERVICES	& REMA	RKS	1 SILLING					
Remarks:	the second	n ner nind Ngang bra shilir	dsit sildu	Salt	ASIC FIEST ANAL	al Cara (1494) (1700) al Cara (1494) (1700)	SONABB -	
Rat Hole	tor aics/	e a alla aiste.	10.004(194)	Flowseal 2	5#	BOLLE PRODUCTS OTHER	GARGON (MERN)	
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P.O. Box 763 · Hays, KS 67601 · OFFICE (785) 623-2920 · CELLULAR (785) 635-1511

DRILLER'S LOG

 Lic#
 5135
 Contractor: Discovery Drilling Co., Inc. LIC#31548

 352
 PO Box 763

 Hays, KS
 67601

Lease: Maupin # 2

Location: 755 FNL - 1450 FWL NW/SW/NE/NW Section 10/ 11S/ 15W Russell County, KS

Loggers Total Depth: 3467'

Rotary Total Depth: 3470'

Commenced: 9/3/2019

Casing: 8 5/8" @ 218.30"W/150sks 5 1/2" @ 3467'W/130sks (Port Collar @ 1000') API#15- <u>167-24,077-00-00</u> Elevation: <u>1901 GL - 1909 KB</u> Completed: <u>9/11/2019</u> Status: <u>Oil Well</u>

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>O'</u>	Shale	1036'
Dakota Sand	427'	Shale & Lime	1561'
Shale	499'	Shale	1866'
Cedar Hill Sand	537'	Shale & Lime	2179'
Red Bed Shale	683'	Lime & Shale	2996'
Anhydrite	1003'	RTD	3470'
Base Anhydrite	1036'		

STATE OF KANSAS))

) ss COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

Thomas H. Alm

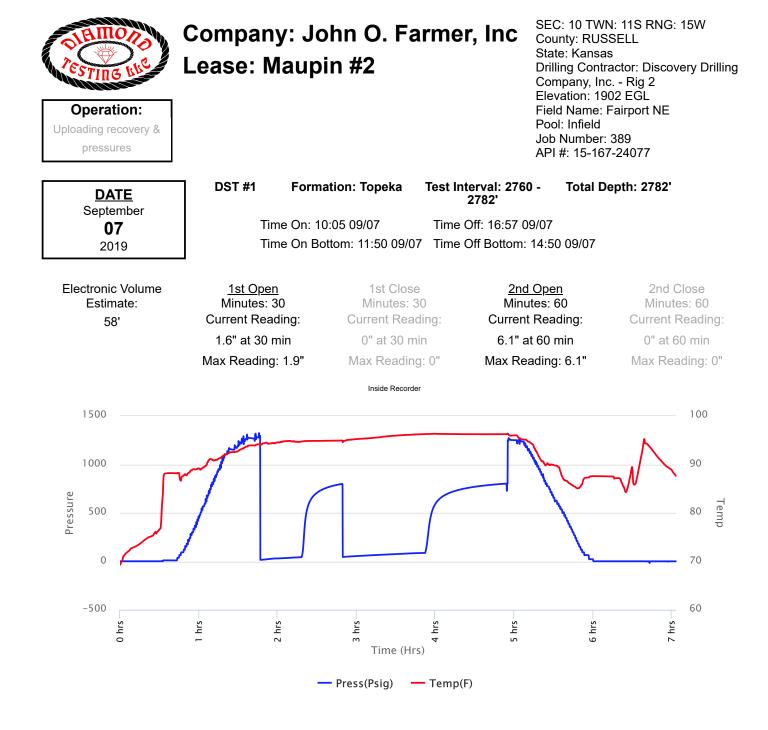
Subscribed and sworn to before me on $9 - 12 \cdot 19$

My Commission expires: 6-28-2022

(Place stamp or seal below)



Notary Rublic



	Company: Jo .ease: Maup		armer, I	NC Cou Sta Dril Cou Ele Fie Poo Job	C: 10 TWN: 11S F unty: RUSSELL te: Kansas lling Contractor: D mpany, Inc Rig 3 vation: 1902 EGL ld Name: Fairport bl: Infield Number: 389 I #: 15-167-24077	iscovery Drilling 2 NE
DATE	DST #1 Forn	nation: Topeka	Test Interva 2782		Total Depth: 2	782'
September	Time On: 1	0:05 09/07	Time Off [.]	16:57 09/07		
07 2019	-	ottom: 11:50 09/0	-	ottom: 14:5		
2010						
Recovered						
Foot BBLS	<u>Description</u>		<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
10 0.1423	HMC	V	0	0	50	50
126 1.79298	MCV	/	0	0	80	20
Total Recovered: 136 Total Barrels Recove		leversed Out NO		Recover	ry at a glance	
Initial Hydrostatic Press	ure 1267	PSI				
Initial Fl	ow 16 to 43	PSI				
Initial Closed in Press	ure 799	PSI				
Final Flow Press		PSI	0			
Final Closed in Press		PSI	0		Recover	y
Final Hydrostatic Pressu		PSI				
Temperat	ure 97	°F		Gas 0%	Oil • Water 0% 77.799	 Mud 22.21%
Pressure Change In Close / Final Clo		%	GIP cubic foot v	volume: 0		

Coperation: Uploading recovery & pressures	•	y: John O. Fa Iaupin #2	rmer, Inc	Cour State Drillir Com Eleva Field Pool: Job N	: 10 TWN: 11S RNG: 15W hty: RUSSELL e: Kansas ng Contractor: Discovery Drilling pany, Inc Rig 2 ation: 1902 EGL Name: Fairport NE Infield Number: 389 #: 15-167-24077
DATE September	DST #1	Formation: Topeka	Test Interval: 2760 2782') -	Total Depth: 2782'
07	Tir	me On: 10:05 09/07	Time Off: 16:57 0	9/07	
2019	Tir	me On Bottom: 11:50 09/07	Time Off Bottom	14.50	09/07

1st Open: WSB. Built to 2 inches in 30 mins

1st Close: NOBB

2nd Open: 1/2" Blow. Built to 6 inches in 60 mins

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 0% Oil 90% Water 10% Mud

Ph: 7

Measured RW: .13 @ 92 degrees °F

RW at Formation Temp: 0.124 @ 97 °F

Chlorides: 58,000 ppm

	AMO	
1 To		
	TING	

Company: John O. Farmer, Inc Lease: Maupin #2

SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield Job Number: 389 API #: 15-167-24077

Uploading recovery & pressures

Operation:

DST #1 Formation: Topeka

Test Interval: 2760 -2782'

Total Depth: 2782'

Time On: 10:05 09/07

Time Off: 16:57 09/07 Time On Bottom: 11:50 09/07 Time Off Bottom: 14:50 09/07

Down Hole Makeup

Heads Up:	13.58 FT	Packer 1:	2755 FT
Drill Pipe:	2748.42 FT	Packer 2:	2760 FT
ID-3 1/2		Top Recorder:	2747 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	2762 FT
Collars:	FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool:	26.16 FT	Bottom Choke:	5/8"
ID-3 1/2-FH			
	22		
	Makeup		
Packer Sub:	1 FT		
Perforations: (top):	FT		
4 1/2-FH			
Change Over:	FT		
Drill Pipe: (in anchor):	FT		
ID-3 1/2			
Change Over:	FT		
Perforations: (below): 4 1/2-FH	21 FT		

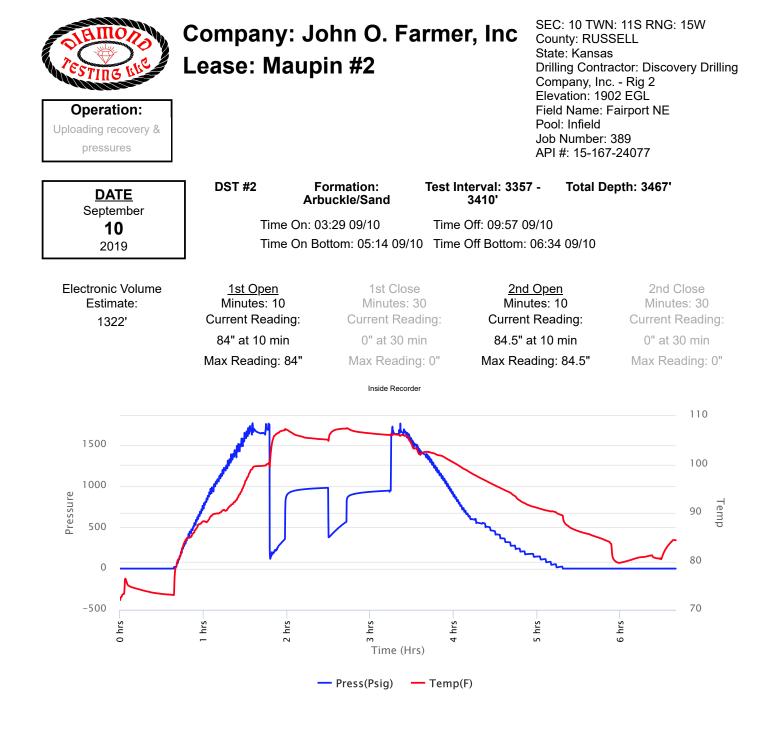
DATE September 07

2019

Correction: Uploading recovery & pressures	-	y: John O. Fa Iaupin #2	rmer, Inc Cou Sta Dril Cor Ele Fiel Poo Job	C: 10 TWN: 11S RNG: 15W unty: RUSSELL te: Kansas ling Contractor: Discovery Drilling mpany, Inc Rig 2 vation: 1902 EGL d Name: Fairport NE bl: Infield Number: 389 #: 15-167-24077
DATE Sontambor	DST #1	Formation: Topeka	Test Interval: 2760 - 2782'	Total Depth: 2782'
September 07	Tin	ne On: 10:05 09/07	Time Off: 16:57 09/07	
2019	Tin	ne On Bottom: 11:50 09/07	Time Off Bottom: 14:5	0 09/07
		Mud Proper	ties	
Mud Type: Chem	Weight: 8.7	Viscosity: 54	Filtrate: 7.2	Chlorides: 3000 ppm

Coperation: Uploading recovery & pressures	•	ny: John O. Fa Maupin #2	i rmer, Inc	SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield lob Number: 389 API #: 15-167-24077
DATE	DST #1	Formation: Topeka	Test Interval: 2760 - 2782'	Total Depth: 2782'
September 07	Т	ime On: 10:05 09/07	Time Off: 16:57 09/	07
2019	Т	ime On Bottom: 11:50 09/07	7 Time Off Bottom: 14	4:50 09/07
	_	Gas Volume	Report	





	Company: Lease: Maı		armer, I	INC Co Sta Dri Co Ele Fie Po Jo	ounty: RUSSI ate: Kansas	etor: Discovery - Rig 2 2 EGL hirport NE 89	
DATE	DST #2	Formation: Arbuckle/Sand	Test Interv 341		Total Dep	oth: 3467'	
September		00.00.00/40	T 0″	00 57 00/44			
10		n: 03:29 09/10		09:57 09/10	-		
2019	Time O	n Bottom: 05:14 09	9/10 Time Off E	Bottom: 06:	34 09/10		
Recovered							
Foot BBLS	Descripti	on of Fluid	Gas %	Oil %	Water	% Mud	%
539 7.6699	I	LOCWCM	3	5	21	71	
378 5.3789	4 SLOC	SLMCW	0	5	80	15	
315 4.4824	5 SLMC	SLOCW	0	8	86	6	
Total Recovered: 12 Total Barrels Recove		Reversed Out		Recove	ery at a glar	nce	
		NO	10				
Initial Hydrostatic Pres	sure 1624	PSI	1 88 2				
Initial	Flow 119 to 359	PSI	BE				
Initial Closed in Pres	sure 980	PSI					
Final Flow Pres		PSI	0				
Final Closed in Pres		PSI	0		R	ecovery	
Final Hydrostatic Press	sure 1628	PSI					
Tempera	ature 108	°F	•	Gas	🛡 Oil	🕨 Water 🛛 🌔	Mud
				1.31%	5.77%	55.72%	37.2%
Pressure Change I		%			01.00		
Close / Final C	lose		GIP cubic foot	volume: 1.2	9189		

Operation: Uploading recovery & pressures	-	any: John O. Fa Maupin #2	rmer, Inc	Count State: Drillin Comp Eleva Field Pool: Job N	10 TWN: 11S RNG: 15W ty: RUSSELL : Kansas g Contractor: Discovery Drilling pany, Inc Rig 2 tion: 1902 EGL Name: Fairport NE Infield lumber: 389 : 15-167-24077
DATE September	DST #2	Formation: Arbuckle/Sand	Test Interval: 3357 3410'	7 -	Total Depth: 3467'
10		Time On: 03:29 09/10	Time Off: 09:57 0	9/10	
2019		Time On Bottom: 05:14 09/10	Time Off Bottom:	06:34 (09/10
BUCKET MEASUREMENT	:				
1st Open: 1" Blow. BOB	in 1 mins				
1st Close: NOBB					
2nd Open: 4" Blow. BOB	in 1 min				
2nd Close: NOBB					

REMARKS:

Tool Sample: 0% Gas 5% Oil 93% Water 2% Mud

Ph: 7

Measured RW: .41 @ 82 degrees °F

RW at Formation Temp: 0.317 @ 108 °F

Chlorides: 20,000 ppm

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Operation:

Uploading recovery &

Company: John O. Farmer, Inc Lease: Maupin #2

SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield Job Number: 389 API #: 15-167-24077

pressures	

<u>DATE</u> September 10 2019

DST #2 Formation: Arbuckle/Sand Test Interval: 3357 -Total Depth: 3467' 3410'

Time On: 03:29 09/10 Time On Bottom: 05:14 09/10 Time Off Bottom: 06:34 09/10

Time Off: 09:57 09/10

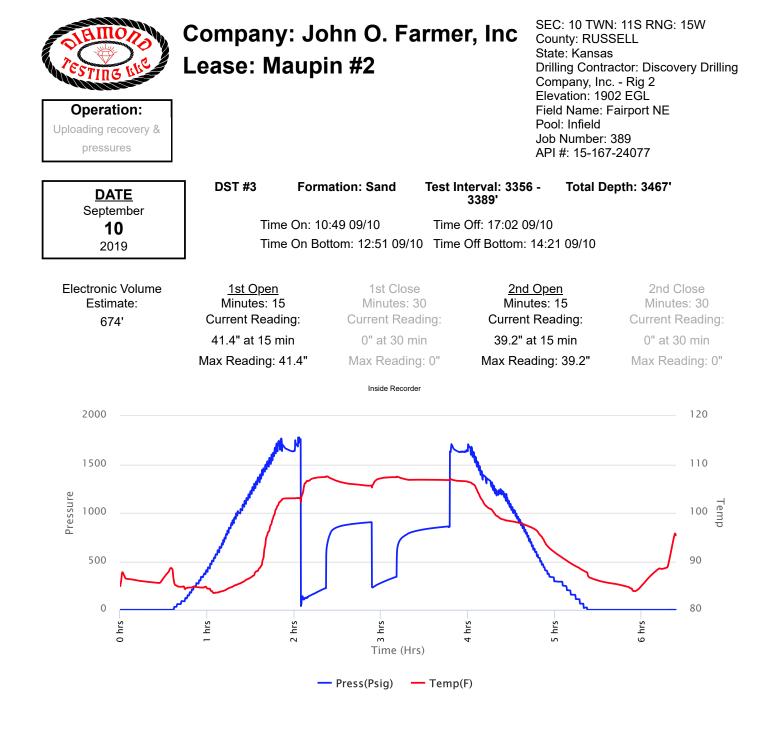
Down Hole Makeup

Heads Up:	17.55 FT	Packer 1:	3351.81 FT
Drill Pipe:	3349.2 FT	Packer 2:	3356.81 FT
ID-3 1/2		Packer 3:	3410 FT
Weight Pipe: ID-2 7/8	FT	Top Recorder:	3343.81 FT
Collars:	FT	Bottom Recorder:	3411 FT
ID-2 1/4		Below Straddle Recorder:	3445 FT
Test Tool:	26.16 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH		Surface Choke:	1"
Total Anchor:	53.19	Bottom Choke:	5/8"
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top): 4 1/2-FH	19 FT		
Change Over:	.5 FT		
Drill Pipe: (in anchor): ID-3 1/2	31.69 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	FT		
	DDLE		
Straddle Packer(s):	1 FT		
Change Over:	.5 FT		
Drill Pipe: ID-3 1/2"	FT		
Change Over:	1 FT		
Perforations (in tail pipe): 4 1/2-FH	23 FT		

Correction: Uploading recovery & pressures	-	y: John O. Fa Iaupin #2	rmer, Inc Go Sta Dr Go Ela Fia Po Jo	EC: 10 TWN: 11S RNG: 15W bunty: RUSSELL ate: Kansas illing Contractor: Discovery Drilling ompany, Inc Rig 2 evation: 1902 EGL eld Name: Fairport NE bol: Infield b Number: 389 PI #: 15-167-24077
DATE September	DST #2	Formation: Arbuckle/Sand	- Test Interval: 3357 3410'	Total Depth: 3467'
10	Tir	me On: 03:29 09/10	Time Off: 09:57 09/10)
2019	Tir	ne On Bottom: 05:14 09/10	Time Off Bottom: 06:	34 09/10
		Mud Proper	ties	
Mud Type: Chem	Weight: 8.7	Viscosity: 54	Filtrate: 7.2	Chlorides: 3,000 ppm

Operation: Uploading recovery & pressures	Company Lease: Ma	: John O. F aupin #2	armer, Inc	SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield Job Number: 389 API #: 15-167-24077
DATE	DST #2	Formation: Arbuckle/Sand	Test Interval: 3357 3410'	- Total Depth: 3467'
September 10	Time	On: 03:29 09/10	Time Off: 09:57 09	9/10
2019	Time	On Bottom: 05:14 09/	10 Time Off Bottom: 0	06:34 09/10
		Gas Volume	Report	





	Company: .ease: Mau		armer, I	INC Co Sta Dri Co Ele Fie Po Joł	C: 10 TWN: 11S unty: RUSSELL ate: Kansas Illing Contractor: I mpany, Inc Rig evation: 1902 EGL eld Name: Fairpor ol: Infield b Number: 389 II #: 15-167-24077	Discovery Drilling 2 - t NE
DATE	DST #3 F	ormation: Sand	Test Interv 338		Total Depth: 3	467'
September 10	Time O	n: 10:49 09/10	Time Off:	17:02 09/10)	
2019	Time O	n Bottom: 12:51 09/	10 Time Off E	Bottom: 14:2	21 09/10	
Recovered						
Foot BBLS	-	<u>on of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
504 7.17192		_GCMCW	15	10	55	20
252 3.58596	SLMC	SLOCW	0	7	89	4
Total Recovered: 756 Total Barrels Recover		Reversed Out NO		Recove	ry at a glance	
Initial Hydrostatic Pressu	ure 1634	PSI	5			
Initial Flo		PSI	BBL			
Initial Closed in Pressu	ire 903	PSI				
Final Flow Pressu	ure 231 to 341	PSI		_		
Final Closed in Pressu	ıre 861	PSI	0		Recover	
Final Hydrostatic Pressu	re 1634	PSI			Recover	У
Temperatu		°F		Gas 10%	Oil • Water 9% 66.33	-
Pressure Change Init Close / Final Clo		%	GIP cubic foot	volume: 6.04	4001	



Operation:

Uploading recovery &

pressures

Company: John O. Farmer, Inc Lease: Maupin #2

SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield Job Number: 389 API #: 15-167-24077

DATE September

Formation: Sand

DST #3

Test Interval: 3356 -3389'

Total Depth: 3467'

Time On: 10:49 09/10

Time Off: 17:02 09/10 Time On Bottom: 12:51 09/10 Time Off Bottom: 14:21 09/10

BUCKET MEASUREMENT:

10

2019

1st Open: 1" Blow. BOB in 3 mins 1st Close: NOBB 2nd Open: 2 1/2" Blow. BOB in 3 mins 2nd Close: NOBB

REMARKS: Below Straddle Packer Held, 1175

Tool Sample: 0% Gas 5% Oil 95% Water 0% Mud

Ph: 7

Measured RW: .52 @ 90 degrees °F

RW at Formation Temp: 0.438 @ 108 °F

Chlorides: 15,000 ppm

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Company: John O. Farmer, Inc Lease: Maupin #2

SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield Job Number: 389 API #: 15-167-24077

Uploading recovery & pressures

Operation:

<u>DATE</u>	
September	
10	
2019	

DST #3 Formation: Sand

Test Interval: 3356 -Total Depth: 3467' 3389'

Time On: 10:49 09/10 Time On Bottom: 12:51 09/10 Time Off Bottom: 14:21 09/10

Time Off: 17:02 09/10

Down Hole Makeup

Heads Up:	18.05 FT	Packer 1:	3351 FT
Drill Pipe:	3348.89 FT	Packer 2:	3356 FT
ID-3 1/2		Packer 3:	3389 FT
Weight Pipe: ID-2 7/8	FT	Top Recorder:	3343 FT
Collars:	FT	Bottom Recorder:	3390 FT
ID-2 1/4		Below Straddle Recorder:	3455 FT
Test Tool:	26.16 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH		Surface Choke:	1"
Total Anchor:	33	Bottom Choke:	5/8"
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top): 4 1/2-FH	32 FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/2	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	FT		
<u>STRA</u> Straddle Packer(s):	DDLE 1 FT		
Change Over:	.5 FT		
Drill Pipe: <i>ID-3 1/2</i> "	63.24 FT		
Change Over:	1 FT		
Perforations (in tail pipe): 4 1/2-FH	13 FT		

Contraction: Uploading recovery & pressures	•	y: John O. Fa Iaupin #2	rmer, Inc Col Sta Dril Col Ele Fie Poo Job	SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield Job Number: 389 API #: 15-167-24077		
DATE	DST #3	Formation: Sand	Test Interval: 3356 - 3389'	Total Depth: 3467'		
September 10	Tin	ne On: 10:49 09/10	Time Off: 17:02 09/10			
2019	Tin	ne On Bottom: 12:51 09/10	Time Off Bottom: 14:2	1 09/10		
		Mud Proper	ties			
Mud Type: Chem	Weight: 9.1	Viscosity: 61	Filtrate: 10.4	Chlorides: 10000 ppm		

Operation: Uploading recovery & pressures	-	ny: John O. F Maupin #2	armer, Inc	SEC: 10 TWN: 11S RNG: 15W County: RUSSELL State: Kansas Drilling Contractor: Discovery Drilling Company, Inc Rig 2 Elevation: 1902 EGL Field Name: Fairport NE Pool: Infield Job Number: 389 API #: 15-167-24077
DATE	DST #3	Formation: Sand	Test Interval: 3356 3389'	- Total Depth: 3467'
September 10	Т	me On: 10:49 09/10	Time Off: 17:02 09	//10
2019	Ti	me On Bottom: 12:51 09/	10 Time Off Bottom: 1	4:21 09/10
			Demont	

Gas Volume Report

1st Open						2nd O	pen	
Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D



AUSTIN B. KLAUS



Cell 785.650.3629 Work 785.483.3145 Ext 225

PO BOX 352 Russell, KS 67665 austin.klaus@johnofarmer.com

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

Well Name:	Maupin #2		
Location:	Russell County		
License Number:	API #15-167-24,077-0000	Region:	Kansas
Spud Date:	9/3/2019	Drilling Completed:	9/11/2019
Surface Coordinates:	Section 10, Township 11 S	South, Range 15 West	
	755' FNL & 1,450' FWL		
Bottom Hole	Vertical well w/ minimal de	eviation, same as above	
Coordinates:			
Ground Elevation (ft):	1,901 K	.B. Elevation (ft): 1,909	
Logged Interval (ft):	2,700 To: RTD	Total Depth (ft): 3,470	
Formation:	LKC-Arbuckle		
Type of Drilling Fluid:	Chemical (Andy's Mud)		
	Printed by ST	BIP.LOG from WellSight Systems 1-800-4	47-1534 www.WellSight.com

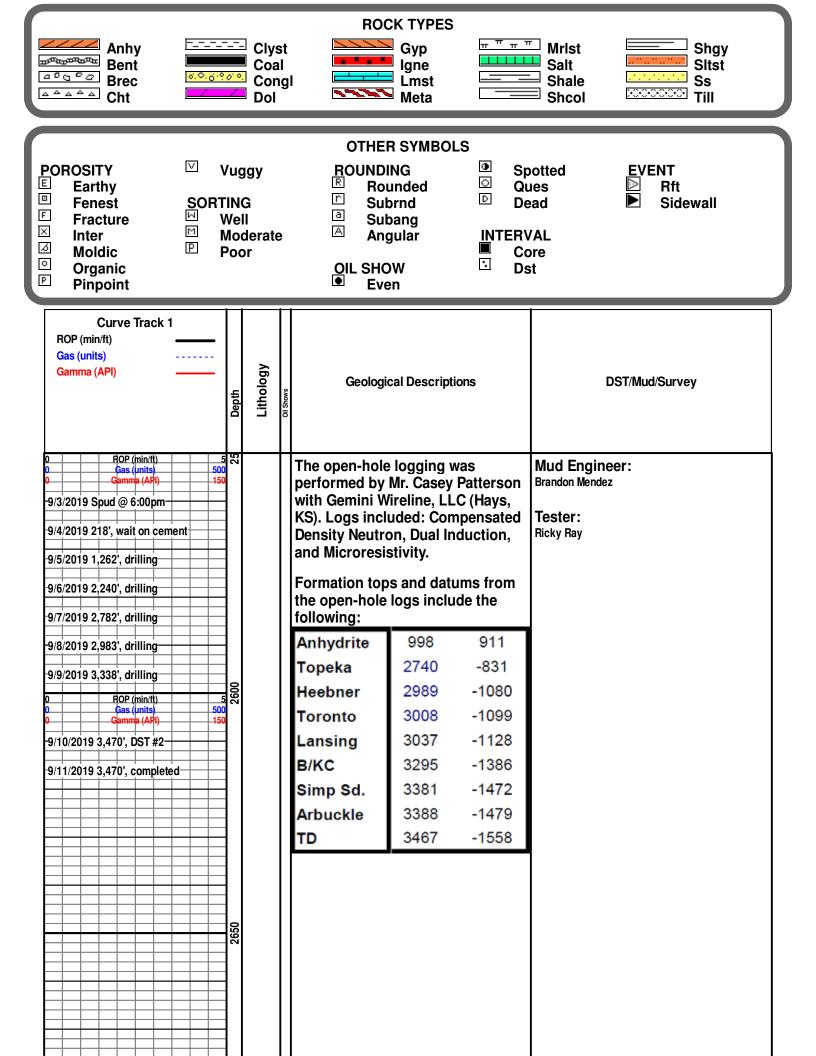
OPERATOR

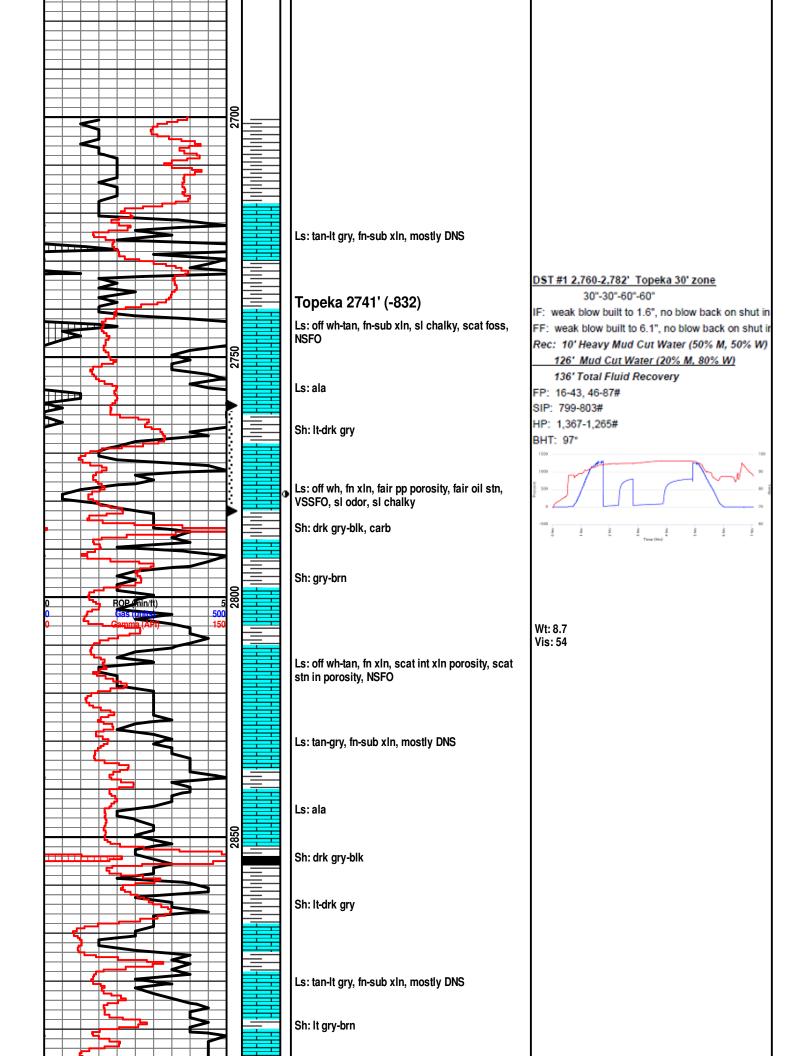
Company: John O. Farmer, Inc. Address: 370 W. Wichita Ave. Russell, KS 67665

Comments

The Maupin #2 well was drilled by Discovery Drilling Rig #2 (Tool Pusher: Terry Wickham).

The location for the Maupin #2 was discovered via 3D seismic survey. Rock samples were gathered and evaluated from 2,700' - 3,470'. Oil shows were encountered in the LKC A,B,C,E,F,G,I,J, Simpson Sand, & Arbuckle. Structurally, the Lansing top was picked 3' low to the comparison well, Maupin #1 (John O. Farmer, Inc). Structure thickened slightly throughout the LKC and the B/KC was picked 5' low. As seismic indicated, the Arbuckle dropped off and was picked 10' low to the comparison well, which allowed for the development of sand just above the Arbuckle. Two straddle tests were conducted over the Simpson Sand and Arbuckle, yielding oil,water, and mud. After evaluation of all oil shows, drill stem test results, & electric logs, the decision was made to set 5 1/2" production casing on the Maupin #2 on 9/11/2019.





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