KOLAR Document ID: 1378962

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
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	NE NW SE SW
CONTRACTOR: License #	
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Wo	rkover
	Producing Formation:
Oil WSW SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR ☐ GSW	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? 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 Dep	th:
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 #:	Dewatering method used:
☐ Dual Completion Permit #:	
SWD Permit #:	The state of the s
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Comp	QuarterSecTwpS. R East West
	npletion 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: 1378962

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 Survey				Yes No)		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run:				es No es No 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	nd Percent Additives		
Perforate Protect Ca Plug Back	Top	Bottom	Type of Cement		# Jacks Useu		Type and referring and the second reductives				
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 Use	d 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							Record		
TUBING RECOR	D: Size:		Set At:		Packer At:						

Form	ACO1 - Well Completion
Operator	Three Forks Resources, LLC
Well Name	MAY TRUST 1-30
Doc ID	1378962

All Electric Logs Run

Dual Comp Porosity
Dual Induction Log
Micro Resistivity
Borehole Comp Sonic
Computer Processed Interpretation

Form	ACO1 - Well Completion
Operator	Three Forks Resources, LLC
Well Name	MAY TRUST 1-30
Doc ID	1378962

Tops

Name	Тор	Datum
Anhydrite	2648	204
Base	2680	172
Topeka	3629	777
Oread	3814	962
Heebner	3828	976
Lansing	3868	1016
ВКС	4248	1241
Mississippian	4385	1533
Simpson	4430	1577
Arbuckle	4449	1597
Reagan	4571	1719
Granite Wash	4602	1750
RTD	4630	1778
LTD	4632	1780

Form	ACO1 - Well Completion
Operator	Three Forks Resources, LLC
Well Name	MAY TRUST 1-30
Doc ID	1378962

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.675	24	260	Class A	170	95%



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W +

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rlg 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September 25 2017

DST#1

Formation: Lans

Test Interval: 3826 -

Total Depth: 3885'

3885

Time On: 17:45 09/25

Time Off: 00:22 09/26

Time On Bottom: 20:20 09/25 Time Off Bottom: 21:35 09/25

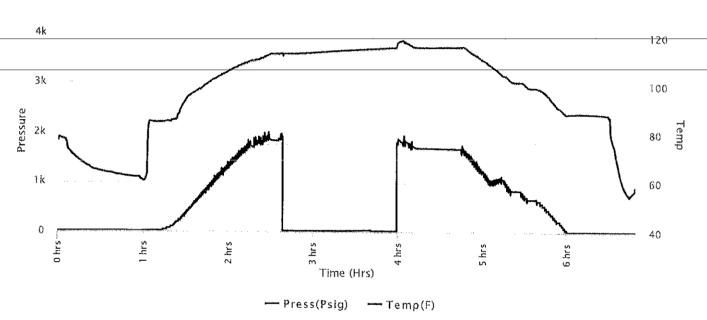
Electronic Volume Estimate: 18'

1st Open Minutes: 30 .6" at 30 min

1st Close Minutes: 30 0" at 30 min

2nd Open Minutes: 15 2nd Close MΑ

0" at 15 min





Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 25 RNG: 30W -

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

25 2017 DST #1 Formation: Lans

Test Interval: 3826 -

Total Depth: 3885'

3885'

Time On: 17:45 09/25

Time Off: 00:22 09/26

Time On Bottom: 20:20 09/25 Time Off Bottom: 21:35 09/25

Recovered

Foot 2 BBLS 0.00984 Description of Fluid M Gas % 0 Oll % Water %

0

Mud %

0 100

Total Recovered: 2 ft

Total Barrels Recovered: 0,00984

Close / Final Close

Reversed Out

Recovery at a glance

		NO			
		140	0.01		
Initial Hydrostatic Pressure	1825	PSI		97.73 61.65	
Initial Flow	14 to 15	PSI	펋 0.005		
Initial Closed in Pressure	31	PSI	60 A4A A		
Final Flow Pressure	16 to 14	PSI			e de la companya de La companya de la co
Final Closed in Pressure	0	PSI	•		
Final Hydrostatic Pressure	1813	PSI	0	Recovery	
Temperature	116	°F		,	
Pressure Change Initial	0.0	%		0% 0% 0% 1009	6



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W - County: DECATUR

State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

25 2017

DST #1 Formation: Lans "A"

Test Interval: 3826 - 3885'

Total Depth: 3885'

A 30

Time On: 17:45 09/25 Tim

Time Off: 00:22 09/26

Time On Bottom: 20:20 09/25 Time Off Bottom: 21:35 09/25

REMARKS:

Initial Flow: Weak, surface blow. Built to 1/2 in.

Initial Shut-in: No blow back. Final Flow: No blow. No build. Final Shut-in: Pulled tool.

Tool Sample: 1% oil, 99% mud



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W -County: DECATUR

State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

25 2017 **DST #1**

Formation: Lans "A"

Test Interval: 3826 -38851

Total Depth: 3885'

Time On: 17:45 09/25

Time Off: 00:22 09/26

Time On Bottom: 20:20 09/25 Time Off Bottom: 21:35 09/25

Down Hole Makeup

Heads Up:

7.68 FT

Packer 1:

3821 FT

Drill Pipe:

3681.11 FT

Packer 2:

3826 FT

ID-3 1/2

Top Recorder:

3810.42 FT

Weight Pipe:

FT

Bottom Recorder:

3864 FT

ID-2-7/8

Well Bore Size:

7 7/8

Collars:

120 FT

Surface Choke:

1"

ID-2 1/4

33.57 FT

Bottom Choke:

5/8"

Test Tool: ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

Anchor Makeup

Packer Sub:

1FT

Perforations: (top):

3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor):

31.5 FT

Change Over:

.5 FT

Perforations: (below):

22 FT

4 1/2-FH

ID-3 1/2



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W -

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rlg 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

25 2017 **DST #1**

Formation: Lans

Test Interval: 3826 -

Total Depth: 3885'

38851

Time On: 17:45 09/25

Time Off: 00:22 09/26

Time On Bottom: 20:20 09/25 Time Off Bottom: 21:35 09/25

Mud Properties

Mud Type: Chemical

Weight: 9.1

Viscosity: 53

Flitrate: 7.2

Chlorides: 1,000 ppm



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W +

County: DECATUR

State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rlg 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

26 2017 Formation: Lans "B"

Test Interval: 3875 -

Total Depth: 3920'

3920'

Time On: 08:20 09/26

Time Off: 15:50 09/26

Time On Bottom: 10:35 09/26 Time Off Bottom: 13:35 09/26

Electronic Volume Estimate:

640'

2k-

1 k

0

Ohrs.

1 hrs

1st Open Minutes: 30

2 hrs

DST#2

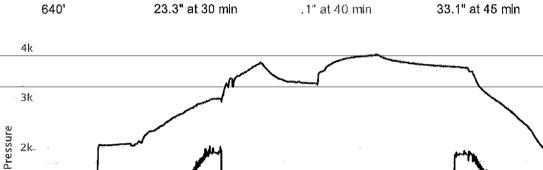
1st Close Minutes: 40

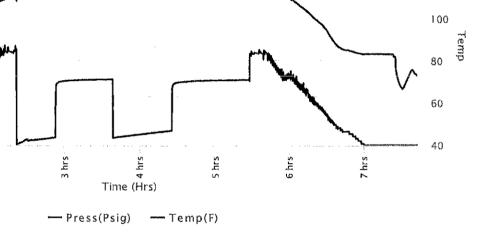
2nd Open Minutes: 45 2nd Close

120

33.1" at 45 mln .1" at 40 min

Minutes: 60 0" at 60 min







Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W ·

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September 26 2017 DST #2 Formation: Lans "B"

Test Interval: 3875 -

Total Depth: 3920'

3920"

Time On: 08:20 09/26

Time Off: 15:50 09/26

Time On Bottom: 10:35 09/26 Time Off Bottom: 13:35 09/26

Recovered

<u>Foot</u>	BBLS	Description of Fluid	Gas %	<u>OII %</u>	Water %	Mud %
224	3.18752	HMCW	0	0	55	45
372	4.17636	SLMCW	0	0	88	12

Total Recovered: 596 ft Total Barrels Recovered:	Reversed Out NO	.										
				5								
Initial Hydrostatic Pressure	1881	PSI										
Initial Flow	21 to 156	PSI	33									
Initial Closed in Pressure	1318	PSI	co	2.5								
Final Flow Pressure	154 to 293	PSI										
Final Closed in Pressure	1314	PSI										
Final Hydrostatic Pressure	1859	PSI		0 .			erte to the		Recovery	A SHIP KITSHIP		
Temperature	132	°۴										
					Gas	•	Oil	•	Water		Mud	
Pressure Change Initial	0.4	%			0%		0%		73.72%		26.28%	
Close / Final Close												



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W -

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rlg 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE

September **26**

2017

DST #2 Formation: Lans

Test Interval: 3875 -

(al: 3875 - Total Depth: 3920'

3920'

Time On: 08:20 09/26

Time Off: 15:50 09/26

Time On Bottom: 10:35 09/26 Time Off Bottom: 13:35 09/26

REMARKS:

Initial Flow: 1/4 in. blow. BOB in 14:45 mins. Initial Shut-in: Weak, surface blow back, Final Flow: 1/4 in. blow. BOB in 16:45 mins.

Final Shut-in: No blow back.

Tool Sample: 98% water, 2% mud

Trace of oil in 372 ft. of mud cut water.

Ph: 7

RW: .25 @ 70 degrees F

Chlorides: 34,000 ppm



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W -

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

26 2017 **DST #2** Formation: Lans "B"

Test Interval: 3875 -

Total Depth: 3920'

3920'

Time On: 08:20 09/26

Time Off: 15:50 09/26

Time On Bottom: 10:35 09/26 Time Off Bottom: 13:35 09/26

Down Hole Makeup

Heads Up:

21.98 FT

Packer 1:

3870 FT

Drill Pipe:

3744.41 FT

Packer 2:

3875 FT

ID-3 1/2

Top Recorder: 3859.42 FT

Weight Pipe:

FT

ID-2 7/8

Bottom Recorder: 3913 FT

Collars:

120 FT

Well Bore Size:

7 7/8

ID-2 1/4

Surface Choke:

1"

Test Tool:

33.57 FT

Bottom Choke:

5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

Anchor Makeup

Packer Sub:

Perforations: (top):

3 FT

4 1/2-FH

Change Over:

1 FT

Drill Pipe: (in anchor):

31.5 FT

ID-3 1/2

Change Over:

.5 FT

Perforations: (below):

8 FT

4 1/2-FH



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 28 RNG: 30W /

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Fleld Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

26 2017 **DST #2**

Formation: Lans "B"

Test Interval: 3875 -

Total Depth: 3920'

39201

Time On: 08:20 09/26

Time Off: 15:50 09/26

Time On Bottom: 10:35 09/26 Time Off Bottom: 13:35 09/26

Mud Properties

Mud Type: Chemical

Weight: 9.2

Viscosity: 54

Filtrate: 7.2

Chlorides: 1,000 ppm



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 28 RNG: 30W

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September 27 2017 DST #3 Formation: Lans "C"

Test Interval: 3915 =

Total Depth: 3970'

3970'

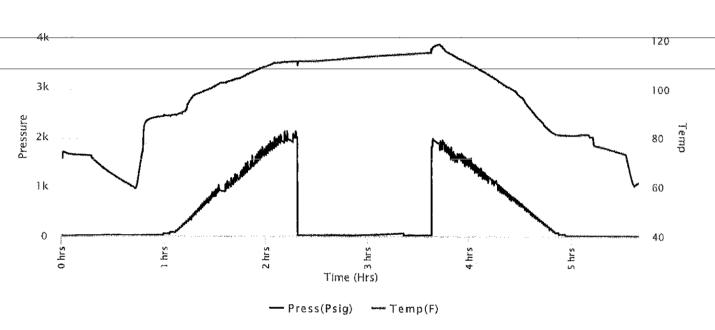
Time On: 01:15 09/27

Time Off: 06:48 09/27

Time On Bottom: 03:30 09/27 Time Off Bottom: 04:45 09/27

Electronic Volume Estimate: 27' 1st Open Minutes: 30 .9" at 30 mln 1st Close Minutes: 30 0" at 30 min 2nd Open Minutes: 15 2nd Glose N/A

0" at 15 min





Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 28 RNG: 30W -

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

<u>DATE</u> September

27 2017 DST #3 Formation: Lans "C"

Test Interval: 3915 -

Total Depth: 3970'

3970'

Time On: 01:15 09/27

Time Off: 06:48 09/27

Time On Bottom: 03:30 09/27 Time Off Bottom: 04:45 09/27

Recovered

Foot 5 BBLS 0.0246 Description of Fluid
M

<u>Gas %</u> 0 <u>Oil %</u> 0 Water % 0 Mud % 100

Total Recovered: 5 ft

Total Barrels Recovered: 0.0246

Reversed Out

Recovery at a glance

Initial Hydrostatic Pressure	1908	PSI	0.02					
Initial Flow	17 to 17	PSI						
Initial Closed in Pressure	55	PSI	0.01					
Final Flow Pressure	18 to 16	PSI						:
Final Closed in Pressure	0	PSI					200	
Final Hydrostatic Pressure	1891	PSI	U			Recovery	· · · · · · · · · · · · · · · · · · ·	
Temperature	115	°F				,		
				₩ Gas	• Oil	Water	Mud	
Pressure Change Initial	0.0	%		0%	0%	0%	100%	
Close / Final Close								



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W -

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rlg 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE

27 2017

DST #3 Formation: Lans

Test Interval: 3915 -

15 - Total Depth: 3970'

3970'

Time On: 01:15 09/27

Time Off: 06:48 09/27

Time On Bottom: 03:30 09/27 Time Off Bottom: 04:45 09/27

REMARKS:

Initial Flow: Weak, surface blow. Built to almost 1 in.

Initial Shut-in: No blow back. Final Flow: No blow. No build. Final Shut-in: Pulled tool.

Tool Sample: 100% mud with a few oil specks



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W -

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rlg 2

Elevation: 2850 GL Fleld Name: Wildcat Pool: WILDCAT Job Number: 61

DATE

September

27 2017 **DST #3**

Formation: Lans "C"

Test Interval: 3915 -3970'

Total Depth: 3970'

Time On: 01:15 09/27

Time Off: 06:48 09/27

Time On Bottom: 03:30 09/27 Time Off Bottom: 04:45 09/27

Down Hole Makeup

Heads Up:

14.25 FT

Packer 1:

3910 FT

Drill Pipe:

3776.68 FT

Packer 2:

3915 FT

ID-3 1/2

Top Recorder:

3899.42 FT

FT

Weight Pipe: ID-2 7/8

Bottom Recorder:

3953 FT

Collars: 120 FT Well Bore Size:

7 7/8

ID-2 1/4

Surface Choke:

1"

Test Tool:

33.57 FT

Bottom Choke:

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

Anchor Makeup

Packer Sub:

1 FT

Perforations: (top):

3 FT

4 1/2-FH

Change Over:

1 FT

Drill Pipe: (in anchor):

31.5 FT

ID-3 1/2

Change Over:

.5 FT

Perforations: (below):

18 FT

4 1/2-FH



Resources, LLC

Lease: May Trust #1-30

SEC: 30 TWN: 2S RNG: 30W /

County: DECATUR State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 2

Elevation: 2850 GL Field Name: Wildcat Pool: WILDCAT Job Number: 61

DATE September

27 2017 **DST#3**

Formation: Lans "C"

Test Interval: 3915 ~ 3970'

Total Depth: 3970'

Time On: 01:15 09/27

Time Off: 06:48 09/27

Time On Bottom: 03:30 09/27 Time Off Bottom: 04:45 09/27

Mud Properties

Mud Type: Chemical

Weight: 9.2

Viscosity: 53

Filtrate: 7.2

Chlorides: 1,200 ppm

RECEIVED

SEP 2 7 2017

Date: 9/20/2017 Invoice # 395

P.O.#:

Due Date: 10/20/2017

Division: Russell



QUALITY OILWELL CEMENTING, INC.
PO BOX 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
PHONE:785-324-1041 FAX:785-483-1087 EMAIL: cementing@ruraltel.net

Invoice

Contact:			Received in Acctg. ∆Ö-	[Z-]	7	
Address/Job Location:			Input 1709-AP-34	<u>ر را</u> ا	*	
Three Fork Resources			Fosted	_		
			Approved			
			Scanned	-		
Reference:			Indexed	_	•	
MAY TRUST 1-30 SEC 30-2-30					1	
Description of Work: SURFACE JOB			Paid			
Services / Items Included: Quantity	Dutas		Acception		Detec	
Services / Items included: Quantity Labor Common-Class A 160	Price \$ 601.97 \$ 2,223.81	Taxabie No Yes	item Quantity		Price	Taxable 1
Calcium Chloride 7 8 5/8" Regular Guide Shoes 1	\$ 264.48 \$ 244.24	Yes Yes				
POZ Mix-Standard 40	\$ 188.92	Yes				
Pump Truck Mileage-Job to Nearest Camp 55 Bulk Truck Mati-Material Service Charge 211	\$ 166.99 \$ 142,36	No No				
Bulk Truck Mileage-Job to Nearest Bulk Plant 55	\$ 129.88	No				
Premium Gel (Bentonite) 4 8 5/8" Wooden Plug 1	\$ 78.27 \$ 72.87	Yes Yes				
Baffle Plate Aluminum, 8 5/8" 1	\$ 72.87	Yes	Duk Tatak	•	4.400.04	
Invoice Terms:	Diam		SubTotal:	Φ	4,186.64	
Net 30	Discou	INT AVE	ailable <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(104.67)	
	SubTotal for Taxable Items: \$					•
			SubTotal for Non-Taxable Items:	\$	1,015.17	
			Total:		4,081.97	
Thoul Von Fan Von Dusinson		7.50%	Decatur County Sales Tex Tax:		230.01	
Thank You For Your Business!			Amount Due: Applied Payments:	Ф	4,311.98	
			Balance Due:	\$	4,311.98	
Past Due Invoices are subject to a service charge (f 24%)				
This does not include any applicable taxes unless i ©2008-2013 Straker Investments, LLC. All rights reserved.	t is listed.		5127			
			VENDOR# 5655	·		
			WELL NAME 15039001			
			AFE # 17-016			
			ACCOUNT \$100.619	The second		
			APPROVAL & 1040			

QUALITY OILWELL CEMENTING, INC.

No.

Discount Total Charge

Signature

395 Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 On Location Finish Sec. Twp. Range County State Date e cotes Well No /-Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Charge To 260 Hole Size Depth 259 Csg State ぐぁ Depth Tbg. Size The above was done to satisfaction and supervision of o Depth Tool 42 Cement Amount Ordered Cement Left in Csa. Shoe Joint Displace Meas Line **EQUIPMENT** Common Cemente Helper Poz. Míx Pumptrk Drlver No. Gel. Bulktrk Driver No. Driver Bulktrk Calclum Driver **JOB SERVICES & REMARKS** Hulls Salt Remarks: Rat Hole Flowseal Mouse Hole Kol-Seal Centralizers Mud CLR 48 Baskets CFL-117 or CD110 CAF 38 D/V or Port Colla Sand Handling Mileage FLOAT EQUIPMENT **Gulde Shoe** Öentralizer AFU Inserts 48 M. Float Shoe Latch Down Pumptrk Charge Mileage ح Tax

Geological Report

May Trust #1-30 848' FNL & 2126' FWL Sec. 30 T2s R30w Decatur County, Kansas



Three Forks Resources, LLC.

General Data

Well Data:	Three Forks Resources, LLC. May Trust #1-30 848' FNL & 2126' FWL Sec. 30 T2s R30w Decatur County, Kansas API # 15-039-21243-0000
Drilling Contractor:	WW Drilling, Inc. Rig #2
Geologist:	Jason T Alm
Spud Date:	September 20, 2017
Completion Date:	September 30, 2017
Elevation:	2847' Ground Level 2852' Kelly Bushing
Directions:	Oberlin KS, West 10 miles on Hwy 36. North 2 miles on 100 rd. West ¾ mile, south into location.
Casing:	260' 8 5/8" surface casing
Samples:	10' wet and dry, 3300' to RTD
Drilling Time:	3300' to RTD
Electric Logs:	Pioneer Energy Services "Dan Schmidt" CNL/CDL, DIL, MEL, BHCS
Drillstem Tests:	Three, Diamond Testing, LLC. "Micheal Carroll"
Problems:	None

Deviation 2° @ 3885'.

Pipe Strap 2' short to board @ 3885'.

Remarks:

Formation Tops

Three Forks Resources, LLC.		
May Trust #1-30		
Sec. 30 T2s R30w		
848' FNL & 2126' FWL		
2648' +204		
2680' +172		
3629' -777		
3814' -962		
3828' -976		
3868' -1016		
4093' -1241		
4248' -1396		
4385' -1533		
4430' -1577		
4449' -1597		
4571' -1719		
4602' -1750		
4630' -1778		
4632' -1780		

Sample Zone Descriptions

Oread (3814', -962): Not Tested

Ls – Fine to sub-crystalline, oolitic in part with poor oolicastic porosity, scattered tarry oil stain, no show of free oil, no odor, no fluorescents, light stream cut, no gas kick.

LKC "A" zone (3868', -1016): Covered in DST #1

Ls – Fine crystalline, oolitic in part with scattered poor to fair oolicastic and vuggy porosity, few pieces with scattered pinpoint inter-crystalline porosity, light to fair oil stain with light spotted saturation, show of free oil when broken, no odor, light yellow fluorescents, good cut, 7 units hotwire.

LKC "B" zone (3896', -1044): Covered in DST #2

Ls – Fine crystalline, oolitic with fair oolicastic and scatted pinpoint inter-crystalline porosity, light to fair oil stain with light to fair saturation, fair show of free oil when broken, no odor, light to fair yellow fluorescents, good cut, 25 units hotwire.

LKC "C" zone (3950', -1098): Covered in DST #3

Ls – Fine crystalline with pinpoint inter-crystalline and pinpoint vuggy porosity, light to fair oil stain with light to fair saturation, good show of free oil on cup, fair show of free oil on break, very light odor, light to good yellow fluorescents, good cut, 75 units hotwire.

LKC "D" zone (3986', -1134): Not Tested

Ls – Fine to sub-crystalline, oolitic in part with poor to very poor pinpoint vuggy porosity, light scattered tarry dead oil stain, no show of free oil, no odor, no fluorescents

LKC "E" zone (4024', -1172): Not Tested

Ls – Fine to sub-crystalline with poor pinpoint vuggy porosity, light spotted oil stain in part, tarry heavy dead oil, no show of free oil, no odor, no fluorescents, mostly dense, no gas kick.

LKC "F" zone (4054', -1202): Not Tested

Ls – Fine to sub-crystalline with scattered poor vuggy and pinpoint vuggy porosity, light spotted oil stain in porosity, slight show of free oil when broken, mostly dense, dull yellow fluorescents, fair cut, no odor, 18 units hotwire.

No oil shows were found below the Base of the Lansing-Kansas City Formation.

Drill Stem Tests

Diamond Testing, LLC. "Micheal Carroll"

14-15#

16-14#

31#

DST #1 LKC A zone

Interval (3826' – 3885') Anchor Length 59'

IHP -1825 #

-30" – Built to ½ in. IFP

- 30" - Dead ISI

FFP - 15" - Dead

FHP - 1813 #

BHT -116°F

Recovery: 2' Mud 1% Oil in sampler

LKC B zone

Interval (3875' – 3920') Anchor Length 45'

IHP -1881 #

- 30" - B.O.B. 15 min. IFP

21-156# ISI - 45" - Dead 1318#

-45" - B.O.B. 17 min. FFP 154-292 #

FSI - 60" - Dead 1313#

FHP -1858 #

BHT - 132°F

55% Water Recovery: 224' MW

372' MW 88% Water

DST #3 LKC C zone

Interval (3915' – 3970') Anchor Length 55'

IHP -1908 #

IFP -30" – Built to 1 in. 16-17 #

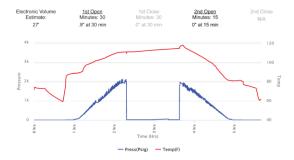
- 30" - Dead ISI 55 #

- 15" - Dead FFP 17-16#

FHP -1891 #

BHT $-115^{\circ}F$

5' Mud with few oil spots Recovery:



- Press(Psig) - Temp(F)

2nd Open Minutes: 45 33.1" at 45 min

1st Open Minutes: 30 23.3" at 30 min

Structural Comparison

	Three Forks Resources, LLC.	Suburban Propane & Gas	Spines Exploration, Inc.			
	May Trust #1-30	Harken #1				
	Sec. 30 T2s R30w	Sec. 18 T2s R30w		Sec. 31 T2s R30w		
Formation	848' FNL & 2126' FWL	SW SW NE		1320' FSL & 1980' FEL		
Anhydrite	2648' +204	2524' +202	(+2)	2705' +202	(+2)	
Base	2680' +172	2555' +171	(+1)	NA	NA	
Topeka	3629' -777	3504' -778	(+1)	NA	NA	
Oread	3814' -962	3690' -964	(+2)	3890' -983	(+21)	
Heebner	3828' -976	3705' -979	(+3)	3903' -996	(+20)	
Lansing	3868' -1016	3744' -1018	(+2)	3952' -1045	(+29)	
BKC	4093' -1241	3974' -1248	(+7)	4180' -1273	(+32)	
Cherokee	4248' -1396	4124' -1398	(+2)	4340' -1433	(+37)	
Mississippian	4385' -1533	4266' -1540	(+7)	4475' -1567	(+34)	
Simpson	4430' -1577	Not Reached	NR	4505' -1598	(+21)	
Arbuckle	4449' -1597	Not Reached	NR	4520' -1614	(+17)	
Reagon	4571' -1719	Not Reached	NR	Not Reached	NR	
Granite Wash	4602' -1750	Not Reached	NR	Not Reached	NR	

Summary

The location for the May Trust #1-30 was found via 3-D seismic survey. The new well ran structurally slightly lower than expected via the survey. Three Drill Stem Tests were conducted, all of which were negative. All possible commercial oil shows were included in Drill Stem Tests. There were no oil shows below the Lansing-Kansas City Formation. After all gathered data had been examined the decision was made to plug and abandon the May Trust #1-30 well.

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.