KOLAR Document ID: 1718624

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:	SecTwpS. REast _ West
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 #	GPS Location: Lat:, Long:
Name:	(e.g. xxxxxxxx) (e.gxxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well ☐ Re-Entry ☐ Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
□ OG □ 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?
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)
Commingled Permit #:	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. Twp. S. 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 Approved by: Date:

KOLAR Document ID: 1718624

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	Type of Cement # Sacks Us		ed Type and Percent Additives					
Plug Off Z										
1. Did you perform a hydraulic fracturing treatment on this well? 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip questions 2 and 3) No (If No, skip question 3) No (If No, fill out Page Three of the ACO-1)					,					
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	Perforation Bridge Plug Bridge Plug Acid, Fracture, Shot, C Set At (Amount and K.		Cementing Squeeze Kind of Material Used)	Record				
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Fastrak Energy, LLC
Well Name	NICHOLAS 5
Doc ID	1718624

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	13	8.625	20	23	Portland	6	NA
Production	6.75	2.875	6.5	600	Class A	100	2%SMS 1% Cacl

Air Drilling Specialist Oil & Gas Wells

THORNTON AIR ROTARY, LLC Office Phone: 620-879-2073

PO Box 449 Caney, KS 67333

Date Started	4-19-23
Date Completed	4-24-23

	Operator	A.P.I	#	County	State	
Fastrak Energy, LLC					Labette	Kansas
Well No.	Lease		Secti	on	Township	Range
5	Nicholas		18		33	19
Type of Well	Driller	Cement	Št	ırface	TD	Size of Hole
Oil	Billy Thornton		21' 7"	85/8	600	63/4

0-2	DIRT	357	GAS TEST-25#, 1/4	557-600	SHALE
2-10	CLAY	366-368	BLK SHALE/COAL	600	GAS TEST-3#, 1/2
10-11	LIME	368-370	LIME	600	TD
11-12	SHALE	370-386	SHALE		
12-27	LIME	382	GAS TEST-5#, 1/2		
27-30	SHALE	386-388	LIME		
30-35	LIME	388-396	BLACK SHALE		
35-58	SHALE	396-397	LIME		
58-61	LIME	397-420	SHALE		
61-98	SAND / DAMP	407	GAS TEST-1#, 1/4		
98-153	SHALE	420-421	LIME		
153-175	LIME (PAWNEE)	421-433	SHALE		
175-180	BLK SHALE (LEXINGTON)	433-435	COAL		
180-201	SHALE	435-462	SANDY SHALE	-1	
201-202	LIME	457	GAS TEST- 3#, 1/2		
202-208	SHALE	462-473	SAND		4
208-212	SAND	473-500	SHALE		
212-230	SHALE	500-506	BLACK SHALE		
230-256	LIME (OSWEGO)	506-507	COAL		
256-262	BLK SHALE(SUMMIT)	507-522	SHALE		
262-280	LIME	522-535	SANDY SHALE		
280-284	BLK SHALE (MULKY)	535-539	SAND		
284-297	LIME	539-543	SANDY SHALE	8	
297-311	SHALE	543-547	BROWN SAND/		
307	GAS TEST - SLIGHT BLOW		GOOD ODOR		
311-313	BLACK SHALE	547-553	LAMINATED SANDY		
313-352	SHALE		SHALE		
352-354	BLACK SHALE	553-555	SAND/LIGHT ODOR		
354-355	COAL (BEVIER)	555-557	LAMINATE SANDY		
355-366	SHALE		SHALE		2

Recommendation:

My recommendation for the completion of this injection well is as follows:

- Perforations from 542'-546'
- 200-300 gallon acid ball-off, in this same zone, to improve injection profile of this well

Sandstone, light to dark brown, very fine to medium grain, poorly sorted, angular to 544-546 sub-rounded grains, micaceous in part, clean well-cemented grainstone, friability overall poor with abundant vugular porosity on larger grain-size samples, mottled to even light to dark brown oil staining on sample surfaces, oil saturation fair, sample exhibited strong petroliferous odor, pinpoint to even free oil show to some sample surfaces, slight to fair free oil show to the pit, 60-65% variegated mottled to even hydrocarbon fluorescence, fast streaming to even strong milky blue cut, slight residual oil show to tray after cut; 40% off-white to medium gray laminated silty to sandy shale present in sample Shale, 75%, medium dark gray, micaceous, silty/sandy with occasional sandstone 546-548 laminations present; sandstone, 25%, light to dark brown, very fine to medium grain, poorly sorted with angular to sub-rounded grains present, micaceous in part, clean very well-cemented grainstone, friability overall poor with excellent vugular porosity exhibited on many sample surfaces, mottled to even medium to dark brown oil staining on sample surfaces, very bottom of sandstone section gray with bitumen present in samples, oil saturation overall fair, sample exhibited a fair petroliferous

odor, pinpoint to mottled free oil show to some sample surfaces, no visible free oil

mineral fluorescence present, slow even poor milky blue cut, faint residual oil show

show to pit, 25-30% mottled to even variegated hydrocarbon fluorescence, trace

548-552' Shale, dark gray, no sample saved for examination

to tray after cut

- Sandstone, off-white to light gray with bitumen present in many samples, very fine to fine grained, poorly sorted with angular to sub-rounded grains, micaceous with visible shale laminations present, overall clean well-cemented grainstone, friability poor with vugular porosity on some sample surfaces, pinpoint to mottled black oil staining on sample surfaces, saturation overall poor, sample exhibited very slight petroliferous odor, no free oil show to sample surfaces, no free oil show to pit, 10-12% mottled very dull yellow hydrocarbon fluorescence, slow pinpoint very poor milky blue cut, no residual oil show to tray after cut
- Sandstone, off-white to light gray, very fine to fine grained, poorly sorted with angular to sub-rounded grains, micaceous in part, traces of interbedded medium dark gray shale present, friability poor with no visible secondary porosity present, no oil staining present, traces of bitumen in laminar form as well as in some interstitial pore spaces, no oil saturation present, sample exhibited no petroliferous odor or show, less than 3% mottled very dull yellow hydrocarbon fluorescence, no oil cut observed
- 556-558' Sandstone, light gray, very laminated, no petroliferous odor or show
- 558-561' Shale, dark gray to grayish black, occasionally silty
- 561-600' Shale, grayish black, traces medium dark brown limestone present, trace coal at 584'
- TD 600' Gas Test: .5# on .5" choke = 25 mcf

Mark D. Brecheisen

Petroleum Geologist

Top of Verdigris (Ardmore Limestone) 388'

388-390'	Verdigris (Ardmore) Limestone, olive gray, fine crystalline, very hard, dense, conchoidal fracturing, no petroliferous odor or show
390-396'	Croweburg shale and coal, dark gray to black, carbonaceous in part, coal-metallic to vitreous luster, trace disseminated pyrite on some cleat surfaces, picked up additional water
396-407	Lost circulation due to additional water in hole
407'	Gas Test - Croweburg test: 1# on .5" choke, reduction in gas due to water infiltrating well bore, rig water injection began
407-421'	Shale, medium dark gray, traces of interbedded brown limestone present
421-433'	Shale, dark gray to grayish black, soft and greasy
433-435'	Mineral coal, black, vitreous luster, banded, carbonaceous
435-457'	Shale, medium to medium dark gray, soft, occasional dark brown interbedded limestone present
457'	Gas Test - Mineral coal test; 3# on .5" choke = 59.2mcf
457- 465'	Shale, light greenish gray, silty/sandy, interbedded chocolate brown limestone present, fine crystalline, grainy texture, fairly friable, no petroliferous odor or show
465-470'	Shale, medium dark to dark gray
470-472'	Cattleman sandstone, black, very fine grained, fair petroliferous odor, bitumen present on many samples, no free oil show to sample surfaces, traces of dark gray shale present on sample
472-506'	Shale, dark gray to grayish black, thinly interbedded limestone present
506-510'	Pittsburg-Weir shale, dark gray to grayish black, trace carbonaceous
510-527	Shale, dark gray, silty/sandy
527-537	Shale, medium to medium dark gray, silty/sandy
537-542'	Shale, medium gray, sandy with some sandstone laminations present, trace dark brown limestone present
542-544'	Bartlesville sandstone, medium dark brown, fine to medium grained, fairly well sorted with angular to sub-angular grains, very clean well-cemented grainstone, traces of light gray shale present in sample, friability poor to fair with abundant vugular porosity on sample surfaces, even medium dark to dark brown oil staining present on sample surfaces, saturation overall good, sample exhibited good petroliferous odor when collected, fair pinpoint to even free oil show to sample surfaces, fair free oil show to pit, 95% even dull yellow hydrocarbon fluorescence, slow even strong milky blue cut, fair residual oil show to tray after cut

0-153'

153-175'	Limestone, medium gray to pinkish brown, fine crystalline, fairly soft to medium hard, micritic in part, slightly porous, trace petroliferous odor throughout limestone section
175-179	Lexington shale, dark gray to black, blocky, fissile
179-180'	Lexington coal, black, vitreous luster
180-207	Shale, medium dark to dark gray, slightly silty
182'	Gas Test: Lexington black shale and coal, no measurable gas
207-210'	Shale, medium gray, slightly sandy, slight gaseous odor to sample, no visible oil show present
210-231'	Shale, medium dark gray, soft, greasy
Top of Osw	ego Limestone
231-255'	Limestone, olive gray to dark brown, slightly mottled, fine crystalline, fairly hard, tight, low porosity indicated, trace coal present, no petroliferous odor or show
255-259°	Summit shale, dark gray to black
259-278'	Limestone, olive gray, fine crystalline, trace micritic, no petroliferous odor or shale
278-280'	Shale, dark gray
280-284'	Mulky shale, grayish black to black, grainy texture, carbonaceous in part
284-297	Limestone, dark brown, fine crystalline, hard
297-352'	Shale, dark gray, soft, greasy, silty in part
307'	Gas Test- Summit/Mulky Test: slight blow, not measurable
352-354'	Shale, black, carbonaceous
354-355°	Bevier coal, black, metallic to vitreous luster, blocky with many flat cleat faces showing
355-366'	Shale, dark gray to grayish black, soft, fissile
357'	Gas Test- Bevier Coal test: 25# on .25" choke = 54.7mcf
366-368'	"B" Bevier coal, black, vitreous luster, 5-10% flat cleat faces showing, picked up minor amounts of water in this coal bed
368-388'	Shale, dark gray, silty in part
382'	Gas Test - "B" Bevier Coal test: 5# on .5" choke = 78.1mcf

Geological Report

Nicholas #5

SE-SE-NW-SE, Sec. 18, T33S, R19E

1500' FSL & 1600' FEL

Labette County, KS

API# 15-099-24723-00-00

Operator:

Fastrak Energy, LLC, Kris Kowalsky, 543A 22000 Rd., Cherryvale, KS 67335

Drilling Contractor: Thornton Air Rotary, LLC, Billy Thornton, Driller, Shramm air rotary rig

Wellsite Geologist: Mark Brecheisen - on location from 60' to T. D.

Date Drilled: April 24, 2023

Size of Hole: 63/4"

Total Depth: 600°

Elevation: 873' (estimated)

Drilling Fluid: Compressed air with injected water

20' of 8 5/8" casing cemented with 6 sacks of cement to surface Surface Casing:

Formation Tops: Formation tops ARE NOT correlated to electric log

Status: Water Injection Well

Gas Shows: 182' Lexington black shale and coal, no measurable gas

> Summit/Mulky Test: slight blow, not measurable 307

357' Bevier Coal test: 25# on .25" choke = 54.7mcf

"B" Bevier Coal test: 5# on .5" choke = 78.1mcf 382'

407 Croweburg test: 1# on .5" choke, reduction in gas due to water

infiltrating well bore, rig water injection began

Mineral coal test; 3# on .5" choke = 59.2mcf 457

T. D.: .5# on .5" choke = 25 mcf 600'

Oil Shows: Bartlesville Sandstone (See Report)

Water Encountered: Croweberg Black Shale and Coal 390'-396'

April 24, 2023, 8:05 A.M. Drilling Depth of 60', TD 600'@12:40 P. M., left On Location:

location @~ 1:00 P.M.

Well cuttings were examined at rig and discarded. Samples of zones of interest Notes:

were saved and examined with binocular microscope and UV light.

Osage Wireline, Inc.

PO Box 490 Cleveland, OK 74020

Invoice

Invoice #
04504

FASTRAK ENERGY 543 A 22000 RD CHERRYVALE, KS 67335

	Lease/Well No.	Legal Description		Terms		Field Work Order No.		
	Nicholas #5	18 33S 19	18 33S 19E - Labette		Due on receipt		7045	
Item	Description Rate			Service Date		Amount		
Cased Hole	Ran GR/Neutron/CCL Log from 565' - St Ran GR/CCL/Cement Bond Log from 56 Perforated w/ 2" RTG from: 540' - 545' w/ 10 Shots			6/26/2023	3,300.00			
	Out-of-state sale, exempt from sales tax			0.00%			0.00	
				X 254				
					*			

Please include Invoice number w/ Payment. Any Invoices 90 day or older will be subject to an 18% APR.

Total

\$3,300,00

Payments/Credits

\$0.00

Balance Due This Invoice

\$3,300.00

Phone # 918.358.5155

E-mail . .

malori@osagewirelineinc.com



CEMEN.	TTRE	EATMEN	T REP	ORT						
Cus	tomer:	Fastrak Energy Well: Nicholas 5				Ticket:	EP8897			
City,	State:	Cherryv	ale, KS		County: LB, KS S-T-R: 19-27-16		Date:	5/18/2023		
Fiel	ld Rep:	Kris Ko	walsky				Service:	Longstring		
			307.102							
		Informatio	1		Calc	Calculated Slurry - Tail				
	e Size:		-		Blend: A, 2	Gyp/SMS, 1 CaCl	Blend:			
	Depth:				Weight 12/13/14 ppg		Weight:	PPS		
	Casing Size: 2 7/8 in				Water / Sx: gal / sk			gal / sk		
	Casing Depth: 601 ft				Yield: ft ³ /sk Yie			ft³/sk		
Tubing /			in		Annular Bbls / Ft.:	Annular Bbls / Ft.: bbs / ft. Ann		bbs / ft.		
	Depth: ft		ft		Depth:	Depth: ft		ft 5 (Nd		
Tool / P					Annular Volume:	ne: 0.0 bbls Annular		0 bbls		
	Depth:		ft		Excess:	Excess:				
Displace	ment:	3.48	bbls		Total Slurry:	bbls	Total Slurry:	0.0 bbls		
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	Total Sacks:	0 sks	Total Sacks:	0 sks		
12:00 PM	The Party Street	Fal								
12.00 FM					on location, held safety me	eung		4.00		
12:30 PM	40	100.0	4		established circulation			9(3)(10)		
	4.0	100.0			The control of the co	entonite Gel followed by 5 bbl:	s froch water	4.080 265.00		
	4.0	100.0					et @ 12#/et			
	4.0	100.0			mixed and pumped 30 sks	d pumped 20 sks Class A cement w/ 2% SMS, 2% Gyp, 1% CaCl, & 1/4# FS per sk @ 12#/sk				
	4.0	100.0			mixed and pumped 50 sks	As an extended to the second of the second				
	4.0	100.0			cement to surface	8 148800	TEN 1880 - 475 (50)			
	4.0				flushed pumped clean					
PANTE !	1.0	200.0			The contract of the second sec	to pin in casing w/ 3.48 bbls f	3.000 - 344.00			
	0.1	500.0			CALLS AND COMPANY SERVED AND COMPANY OF THE	sured to 500 PSI, bled back to 200 PSI, shut in casing				
	4.0				washed up equipment	Order party of the Control of the Co				
			Service .							
1:30 PM					left location			LUGAL TOTAL		
								H NET SWILL		
			fame.							

		CREW			UNIT		SUMMARY			
Gementer: Casey Ken				/	931	Average Rate	Average Pressure	Total Fluid		
Pump Operator: Nick Beets					209	3.3 bpm	163 psi	- bbls		
	Brilk: Doug Gipson H20: Keith Detwiler				215 110			*		
	1120.	renan	Detwilet.		110					