KOLAR Document ID: 1675661

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:	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.xxxxxx)
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
<ul><li>☐ CM (Coal Bed Methane)</li><li>☐ Cathodic</li><li>☐ Other (Core, Expl., etc.):</li></ul>	Multiple Stage Cementing Collar Used? Yes No
	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to: 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
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR	·
GSW	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. 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:				

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#### 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 rature, 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		# Jacks Useu		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 Use	d on Lease		Open Hole				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	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Bobcat Oilfield Service, Inc.
Well Name	SHIELDS 22W-22
Doc ID	1675661

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	8.75	6	10	20	Portland	5	50/50 POZ
Production	5.625	2.875	8	710	Portland	100	50/50 POZ

Lease:	Shields	
Owner:	Bobcat Oil Ser	vice LLC
OPR #:	3895	Ä
Contractor:	DALE JACKSON	N PRODUCTION CO.
OPR #:	4339	\$ /∄\ .Ø.
Surface:	Cemented:	Hole Size:
20' of 6"	5 Sacks	8 ¾"
Longstring:	Cemented:	Hole Size:
	100 Sacks	5 5/8
710' 2 7/8 8rd	(49 Flyash	
	51 Portland)	

# Dale Jackson Production Co. Box 266, Mound City, KS 66056 Cell # 620-363-2683 Office # 620-363-2696

0	Well #: 22w-22
	Location: SWSWNWNW Sec13 Twp16 S. R.21 E
	County: Miami
Ī	FSL:
	FEL:
	API#: 15-121-31716-00-00
	Started: 9-12-2022
	Completed: 9-13-2022
	TD: 721'

SN: None Packer: None

Plugged: None Bottom Plug: None

## Well Log

Depth	TKN	ВТМ	Formation	TKN	втм	Formation
S         7         Clay         1         650         Coal           13         20         Lime         8         658         Lime           7         27         Black Shale         3         661         Shale           13         40         Lime         5         666         Light Shale           5         45         Shale         1         667         Lime (Strong Odor)           10         75         Shale         4         672         Oil Sand (Jone (Strong Odor)           10         85         Sandy Shale         3         675         Oil Sand (Shale) (Good Bleed)           10         85         Sandy Shale         3         675         Oil Sand (Shale) (Flore Bleed)           10         95         Sand         4         679         Sandy Shale (Oil Sand Stk) (Flore Bleed)           20         115         Lime         3         682         Sandy Shale (Oil Sand Stk) (Strong Odor)           10         131         Sand         TO         721         Shale           10         131         Sandy Shale         Image: Sandy Shale (Jime)           21         223         Lime         Image: Sandy Shale (Limey)	IKIN		Tormation	INI		Tormation
13   20				7		
7         27         Black Shale         3         661         Shale           13         40         Lime         5         666         Light Shale           20         65         Lime         1         667         Lime (Strong Odor)           10         75         Shale         4         672         Oil Sand (Limey) (Good Bleed)           10         75         Shale         4         672         Oil Sand (Some Lime & Shale) (Good Bleed)           10         85         Sandy Shale         3         675         Oil Sand (Some Lime & Shale) (Good Bleed)           10         95         Sand         4         679         Sandy Shale (Oil Sand Stk) (Poor Bleed)           10         15         Lime         3         682         Sandy Shale (Oil Sand Stk) (Strong Odor)           6         121         Shale         TD         721         Shale           10         131         Sandy Shale         1						
13						
5         45         Shale         1         667         Lime (Strong Odor)           20         65         Lime         1         668         Oil Sand (Limey) (Good Bleed)           10         75         Shale         4         672         Oil Sand (Shale Limey) (Fair Bleed)           10         85         Sandy Shale         3         675         Oil Sand (Shaley) (Fair Bleed)           10         95         Sand         4         679         Sandy Shale (Oil Sand Stk) (Poor Bleed)           6         121         Shale         TD         721         Shale           10         131         Sand         Shale         Shale           11         141         Sandy Shale         Shale           12         223         Lime         Shale           28         251         Shale (Limey)         Shale           10         271         Shale (Limey)         Shale           10         281         Sandy Shale         Shale (Limey)           4         261         Black Shale         Shale (Limey)           10         287         Shale         Shale (Limey)           27         318         Shale (Limey)         Shale (Limey) </td <td></td> <td></td> <td>Black Shale</td> <td></td> <td></td> <td></td>			Black Shale			
20						
10	5	45	Shale	1		
10	20	65	Lime	1		
10	10	75		4	672	
20	10	85	Sandy Shale	3	675	
6         121         Shale         TD         721         Shale           10         131         Sand         Sand         Sand           61         202         Shale         Shale         Shale           21         223         Lime         Shale (Limey)         Shale (Limey)           6         257         Lime         Shale (Limey)         Shale (Limey)           10         271         Shale (Limey)         Shale (Limey)         Shale (Limey)           6         287         Shale         Shale (Limey)         Shale (Limey)         Shale (Limey)           27         318         Shale (Limey)         Shale	10	95	Sand	4	679	Sandy Shale (Oil Sand Stk) (Poor Bleed)
10	20	115	Lime	3	682	Sandy Shale (Oil Sand Stk) (Strong Odor)
10     141     Sandy Shale       61     202     Shale       21     223     Lime       28     251     Shale (Limey)       6     257     Lime       4     261     Black Shale       10     271     Shale (Limey)       10     281     Sandy Shale       6     287     Shale       4     291     Lime       23     341     Lime       6     347     Black Shale       4     351     Light Shale       21     376     Black Shale       4     376     Black Shale       13     389     Lime       4     493     Shale       10     503     Light Shale (Limey)       41     544     Shale       5     549     Lime       5     554     Light Shale       5     550     Lime       33     593     Shale (Limey)       7     600     Lime       10     627     Black Shale	6	121	Shale	TD	721	Shale
61       202       Shale         21       223       Lime         28       251       Shale (Limey)         6       257       Lime         4       261       Black Shale         10       271       Shale (Limey)         10       281       Sandy Shale         6       287       Shale         4       291       Lime         27       318       Shale (Limey)         23       341       Lime         6       347       Black Shale         1       351       Light Shale         21       372       Lime         21       372       Lime         104       493       Shale         105       503       Light Shale (Limey)         10       503       Light Shale (Limey)         10       504       Lime         10       554       Light Shale         10       550       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         10       627       Black Shale	10	131	Sand			
21         223         Lime           28         251         Shale (Limey)           6         257         Lime           4         261         Black Shale           10         271         Shale (Limey)           10         281         Sandy Shale           6         287         Shale           4         291         Lime           27         318         Shale (Limey)           23         341         Lime           6         347         Black Shale           4         351         Light Shale           21         372         Lime           4         376         Black Shale           13         389         Lime           10         503         Light Shale (Limey)           41         544         Shale           5         549         Lime           6         560         Lime           33         593         Shale (Limey)           7         600         Lime           14         614         Light Shale           3         617         Lime           3         617         Lime	10	141	Sandy Shale			
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6 257 Lime 4 261 Black Shale 10 271 Shale (Limey) 10 281 Sandy Shale 6 287 Shale 4 291 Lime 7 318 Shale (Limey) 23 341 Lime 6 347 Black Shale 4 351 Light Shale 21 372 Lime 4 376 Black Shale 13 389 Lime 10 503 Light Shale (Limey) 11 544 Shale 15 549 Lime 5 554 Light Shale 6 560 Lime 7 600 Lime 14 614 Light Shale 16 617 Lime 17 600 Lime 18 617 Lime 19 617 Lime 10 627 Black Shale	21	223	Lime			
4       261       Black Shale         10       271       Shale (Limey)         10       281       Sandy Shale         6       287       Shale         4       291       Lime         27       318       Shale (Limey)         23       341       Lime         6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	28	251	Shale (Limey)			
10       271       Shale (Limey)         10       281       Sandy Shale         6       287       Shale         4       291       Lime         27       318       Shale (Limey)         23       341       Lime         6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         100       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	6	257	Lime			
10       281       Sandy Shale         6       287       Shale         4       291       Lime         27       318       Shale (Limey)         23       341       Lime         6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	4	261	Black Shale			
6       287       Shale         4       291       Lime         27       318       Shale (Limey)         23       341       Lime         6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	10	271	Shale (Limey)			
4       291       Lime         27       318       Shale (Limey)         23       341       Lime         6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	10	281	Sandy Shale			
27       318       Shale (Limey)         23       341       Lime         6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	6	287	Shale			
23       341       Lime         6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	4	291	Lime			
6       347       Black Shale         4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	27	318	Shale (Limey)			
4       351       Light Shale         21       372       Lime         4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	23	341	Lime			
21       372       Lime          4       376       Black Shale          13       389       Lime          104       493       Shale          10       503       Light Shale (Limey)          41       544       Shale          5       549       Lime          5       554       Light Shale          6       560       Lime          33       593       Shale (Limey)          7       600       Lime          14       614       Light Shale          3       617       Lime          10       627       Black Shale	6	347	Black Shale			
4       376       Black Shale         13       389       Lime         104       493       Shale         10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	4	351	Light Shale			
13       389       Lime       104       493       Shale       105 <td< td=""><td>21</td><td>372</td><td>Lime</td><td></td><td></td><td></td></td<>	21	372	Lime			
104       493       Shale          10       503       Light Shale (Limey)          41       544       Shale          5       549       Lime          6       560       Lime          33       593       Shale (Limey)          7       600       Lime          14       614       Light Shale          3       617       Lime          10       627       Black Shale	4	376	Black Shale			
10       503       Light Shale (Limey)         41       544       Shale         5       549       Lime         5       554       Light Shale         6       560       Lime         33       593       Shale (Limey)         7       600       Lime         14       614       Light Shale         3       617       Lime         10       627       Black Shale	13	389	Lime			
41       544       Shale                 5       549       Lime                 5       554       Light Shale                 6       560       Lime                 33       593       Shale (Limey)                 7       600       Lime                 14       614       Light Shale                 3       617       Lime                 10       627       Black Shale	104	493	Shale			
5       549       Lime          5       554       Light Shale          6       560       Lime          33       593       Shale (Limey)          7       600       Lime          14       614       Light Shale          3       617       Lime          10       627       Black Shale	10	503	Light Shale (Limey)			
5       554       Light Shale	41	544	Shale			
6     560     Lime       33     593     Shale (Limey)       7     600     Lime       14     614     Light Shale       3     617     Lime       10     627     Black Shale	5	549	Lime			
33       593       Shale (Limey)          7       600       Lime          14       614       Light Shale          3       617       Lime          10       627       Black Shale	5	554	Light Shale			
7       600       Lime          14       614       Light Shale          3       617       Lime          10       627       Black Shale	6	560				
7       600       Lime          14       614       Light Shale          3       617       Lime          10       627       Black Shale	33	593	Shale (Limey)			
3         617         Lime           10         627         Black Shale	7	600	Lime			
3         617         Lime           10         627         Black Shale	14	614	Light Shale			
	3	617				
A C21 Light Shalo	10	627	Black Shale			
4   DOT   FIRIT OURSE	4	631	Light Shale			
11 642 Lime	11	642				



# Dale Jackson Production Co. Box 266, Mound City, KS 66056 Cell # 620-363-2683 Office # 620-363-2696

