

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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QUALITY WELL SERVICE, INC.

8291

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-786-6992

Fax 620-672-3663

Todd's Cell 620-388-4967

Brady's Cell 620-727-6964

Date	5-18-23	Sec.	22	Twp.	30S	Range	15W	County	Barber	State	Ks	On Location	Finish
Lease	LDJ	Well No.	1	Location									
Contractor	MNGIN DLG R.G *104							Owner					
Type Job	SURFACE							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size	12 1/4		T.D.	252'									
Csg.	05/3 24"		Depth	252'									
Tbg. Size			Depth	Charge To Gaitin									
Tool			Depth	Street									
Cement Left in Csg.			Shoe Joint	15									
Meas Line			Displace	15 D BLS									
EQUIPMENT								2 1/2 GAL 3 1/2 CC 1/2" PS USED 170 SI					
Pumptrk	9	No.		Common 170 SK									
Bulktrk	15	No.		Poz. Mix									
Bulktrk		No.		Gel. 320 lbs									
Pickup		No.		Calcium 479 lbs									
JOB SERVICES & REMARKS								Hulls					
Rat Hole								Salt					
Mouse Hole								Flowseal 85 lbs					
Centralizers								Kol-Seal					
Baskets								Mud CLR 48					
D/V or Port Collar	USED							CFL-117 or CD110 CAF 38					
Run @ H's	05/3 24" * CSG LET @ 252'							Sand					
START CSG	CSG on Bottom							Handling 135					
Hook on to CSG	BREAK CIRC WHICH							Mileage 25 / 4750					
START Pumping H2O								FLOAT EQUIPMENT					
START MIX 11" PUMP	170 SK (COMMON)							Guide Shoe					
2 1/2 GAL 3 1/2 CC 1/2" PS	14.8" GAL							Centralizer					
START DISO								Baskets					
Flush Down	15 BLS 100"							AFU Inserts					
Close Valve on CSG								Float Shoe					
GOOD CIRC THRU JOBS								Latch Down					
CIRC CNT TO BIT								SERVICE SUPV 1 EA					
								LMV 25					
								Pumptrk Charge SURFACE					
								Mileage 50					
THANK YOU PLEASE CALL AGAIN TODD NAYTE JACKSON K2ADN								Tax					
Signature								Discount					
								Total Charge					

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Todd's Cell 620-388-4967

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Date	5-23-23	Sec.	22	Twp.	30S	Range	15W	County	BARBER	State	KI	On Location	Finish
Lease	LOW	Well No.	1	Location									
Contractor	MURFIN DRILLERS #104	Owner											
Type Job	5 1/2 LS	To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	7 7/8	T.D.	4902	Charge To									
Csg.	5 1/2 17" USEO	Depth	4795	Gel. fin									
Tbg. Size		Depth		Street									
Tool		Depth		City State									
Cement Left in Csg.		Shoe Joint	24'	The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line		Displace	110.69	Cement Amount Ordered 175sx POC 2 1/2 GAL M! SALT									
EQUIPMENT				5 1/2 Kolral .6 1/2 C16A .25% C4IP 25 1/2 sx PS									
Pumptrk	9 No.			Common 175sx									
Bulktrk	10 No.			Poz. Mix									
Bulktrk	No.			Gel. 394 lbs									
Pickup	No.			Calcium									
JOB SERVICES & REMARKS				Hulls									
Rat Hole	30sx			Salt 964 lbs									
Mouse Hole				Flowseal 44 lbs									
Centralizers	1-2-3-4-5-6-7			Kol-Seal 875 lbs									
Baskets	1			Mud CLR 48 500 GAL									
D/V or Port Collar	USEO			GFL-117-or-CD110-GAF-38 C16A 99 lbs									
Run 122 ft 17" C6 SET 2				Sand C-1 9 GAL C4IP 41 lbs									
START C6 C6 ON BOTTOM				Handling 217									
Hook into C6: BREAK CIRC W/ 216				Mileage 25									
SET PER SHOP W/ 216 1100'				FLOAT EQUIPMENT									
START Pumptrk 12 Bl, 12 Bl, 12 Bl, 12 Bl, 12 Bl				Guide Shoe H! M 1 EA									
PLUG R- H 30sx				Centralizer 7 FA									
START MK: Run 154 1/2 C6 2 14 3/4 Gal				Baskets 1 FA									
SHUT DOWN WITH C4IP RELEASE 5 1/2 LB 7				AFU Inserts PER SHOP 1 FA									
START DISO				Float Shoe									
LEFT DISO 98.5 Bl, out 550'				Latch Down 1 EA									
PLUG DOWN 111 Bl at 1200'				LMI 25									
PSI. P ON C6 1700'				SERVICE SURV 1 FA									
RELEASE & HELD 1/2 Bl BACK				Pumptrk Charge LS									
GOOD C4IP THRU JOB				Mileage 50									
THANK YOU				Tax									
PLEASE CALL A GAIN				Discount									
SACKS 2 HANDY				Total Charge									
Signature <u>MUA</u>				TODD NATE									

Well Name: Lou #1
 API: 15-007-24468
 Location: T30S R15W Sec 22
 License Number: 33936
 Spud Date: 5/18/2023
 Surface Coordinates: 2310' FNL & 2310' FEL
 Region: Barber County, KS
 Drilling Completed: 5/22/2023
 Bottom Hole Coordinates: Vertical Wellbore
 Ground Elevation (ft): 1860' K.B. Elevation (ft): 1865'
 Logged Interval (ft): 3750' To: 4900' Total Depth (ft): 4900'
 Formation: Ordovician Arbuckle @ RTD
 Type of Drilling Fluid: Mud-Co. Chemical Drispac - Displaced @ 2804-23' w/ 700 bbbls
 Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Griffin Management, LLC
 Address: 126 S. Main
 Pratt, KS 67124

GEOLOGIST

Name: Eli J. Felts
 Company: Griffin Management, LLC
 Address: 126 S. Main
 Pratt, KS 67124

Pipe Setting

8.625" Surface Casing Set @ 252' w/170 sxs. Common
 5.5" Production Casing Set @ 4790' w/145 sxs. Pro C

Lithology	MD	Rate of Penetration ROP (min/ft) Gas (units)	Geological Descriptions	DSTs/Mud/Surveys, etc.
	3750			
	3800		SH - flood dark earthy shales; organic rich; mature - visible laminations w/ soft break; slight show gas along visible laminations	
	3850		LS - cream to white, lt grey, sm beige to tan, range v. fine to med to med xln in sm; smooth, sb cherty & dense w/sharp smooth platy break to re-xln w/ pred chalky soft makeup	
	3850		SH - flood varshades grey; lt to med; pale grey w/ dark carb shale frags incl; scattered micaceous mineral glisten in part; textured heavily silty to v. fine grained sands; no odor; ns	
	3850		SH - varshades grey & blue-green w/ speckled, streaked & marbled dark carb shale frags throughout; increasingly sandy	
	3900		SH - varshades grey-green; silty to sandy texture w/ speckled, streaked & marbled dark carb shale frags throughout; abtd sand	
	3950		SH - lt to med grey w/ black speckled appearance; v. fine silty w/ visible micaceous & carb shale inclusions spotting throughout; oa smooth texture w/ lithographic appearance; med soft	
	3950		SH - as above w/ oa appearance becoming darker greys; stringers LS - cream to tan, fw brown micritic smooth sb cherty	
	4000		LS - cream to tan, brown - v. fine xln w/ sm vis foss incls; v. well compacted w/ smooth to sl foss texture in part; sb cherty; v. dense	
	4000		LS - cream to lt grey, fn-med xln, sm re-xln & fossiliferous texture; poorly dev porosity oa w/ many foss appearing grey to tan; visible oolites et al foss; poor reservoir quality; no odor; ns	
	4050		LS - cream to brown, sm grey, marbled ip; fine to med xln w/ some foss texture; re-xln in finely fractured webbs; partially argillaceous w/ some interbedded to transitional shale beds; pp med brown staining w/ no odor; no show	
	4050		LS - cream to white w/ some caramel to goldenamber pinpoint staining; fn to med xln w/ chalky texture oa; sl xln to dissolution porosity in some w/ scattered partial staining; non-hely w/ clngly to flakey residual indicators; dull yellow fluor w/ no visible free oil; no odor	
	4100		LS - cream to white, lt tan to grey in part; fn to med xln w/ grainy rough texture & chalky break; dark stained edges grey to brown shale contacts & increasing shale cuttings; grey & organic brown shales w/ earthy to carb appearance	
	4100		LS - cm to lt grey, sm tan, fn to med xln; foss to partly sandy to granular texture; poorly dev vis pors; oa abtd chalky material impregnating most free space; few edges micro-xln to CH - fm; no odor; no shows	
	4150		LS - cream to buff; sm lt tan, fine to med xln w/ fossiliferous texture; fair vis intrafoss porosity w/ visible re-xln ip; fair friabi w/ some chalk w/ break; sl visible staining/no shows; no odor	
	4150		LS - cream to tan & brown; few pcs brown, v. fine xln w/ mostly smooth texture; dense, well compacted; most pcs w/ heavily foss texture; med fm w/ some partly friable to chalky break, argillaceous to interbedded	
	4200		SH - flood brown & green shales w/ smooth to silty textures; interbedded to mottled in some; traces mineral shimmers, micaceous et al; LS - cm to lt grey, fn to med xln; chaly texture in most; some vis fracturing w/ dark, gilsonitic staining; foss ip w/ poorly dev vis pors; no odor; ns	
	4200		LS - cm to lt grey, sm tan to brown, med xln w/ interbedded shales ip; appears fractured to weathered; brown & grey mineral staining; fair friab; no show	
	4250		LS - cm to buff - some grey, tan to brown, fn to med xln; argillaceous to chalky; foss in some w/ poorly dev intra foss pors; abtd chalky to shaly break; some loose grey shale; few stringers dark SH - brown to black; earthy carb in some	
	4250		LS - cream to lt grey, mst as above; trans v. fn to microxin; cherty ip w/ sharp edges; white to grey foss abtd; no odor; ns	
	4250		LS - white to cream w/ fn xln chalky texture; amber-golden residual surface stain appears in some fractured, edge pos; no odor; no fluor; no show	
	4300		LS - cm-wht w/ few tan, cherty in most, fn xln w/ firm break, chalky in some, soft break w/ silty, few foss; SS - Few scattered pcs, w/ black spotting, granular, md xln pcs w/ good friab; SH - lt grey w/ black spotting in most	
	4300		LS - cream to tan, brown, fn xln w/ some v. fine xln; smooth well compacted, dense oa; limited vis pors; dark shale contacts along edges; few loose dark earthy carb shales	
	4350		LS - cm to tan, fn to med xln; smooth, well compacted & dense; oa lithographic; some foss; oa fair to good friab w/ fairly dev vis pors; barren; no odor; no shows	
	4350		LS - cream to buff, sm white; fn to med xln; argillaceous ip; increasing shale stringers; silty blue-green; soft; sm dark brown to black hot shale stringers	
	4350		SH - flood deep grey to black; smooth w/ soft to partly friable; vis laminations ip; earthy organic carbonaceous shales	
	4400		LS - cm to lt tan, fn xln to micritic in some; blocky & dense; fractured in some w/ residual staining; abtd shales; dark earthy carbonaceous & some intermediate mottled grey-green to lt blue	
	4400		SH - flood varicolored greys to blue-greens, silty smooth w/ slightly gritty silt texture; speckled to mottled; transitional; mst med compaction; soft moderate breaks; sl foss inclusions	
	4400		LS - cream to tan, brown, fn-md xln, highly fossiliferous w/ abtd oolite development; fair vis intra-foss porosity dev w/ surface stain in many; fair friability; flakey residual oil on break w/ 1-2 drops v. heavy sticky drops - v. dark; slight odor in cup; few traces fluor questionable; does not appear true 'blew' show	
	4450		SH - grey to green & brown, sm mottled; few carb w/ trace gas; LS - mst cm, fn xln w/ some as above; trans w/ brown xln; dark residual staining in many w/ cngly flakes on break	
	4500		LS - cm to brown, mst fine xln; blocky & dense w/ slight visible fracturing & limited pinpoint porosity (1 pc w/ slight show clngly oil on break) no odor present trace fluor; many shale contacts; grey to brown, med fm & silty to blocky	
	4500		LS - cm to tan, brown, fn to v. fine xln; well compacted & dense; SH - grey to green silty/sandy w/ darker green & glauconitic speckled & inclusions; few stringers SS - clear to sl frosted qtz w/ fn to v. fn grained sb m well sorted; sl friable w/shalebound grains; no odor in cup, no show	
	4550		SH - varicolored grey-green; mottled to speckled; some maroon reds to purples; smooth & silty overall; abtd remnant LS - cream to tan, fn to v. fine xln w/ some pinpoint & fractured porosity; partial staining; no odor; ns	
	4550		SH - varicolored; grey maroon, purple to brick red; few traces SS - few pcs CH - varicolored; highly foss, smooth texture w/ no vis weather; no shows in CH	
	4550		SH - varicolored; grey maroon; mottled to streaked; marbled silty smooth; med soft to partly mushy	
	4550		Flood SH & CH - some limestone; green hue in nearly all samples; SH is silty w/ smooth firm makeup; some appears cherty w/ dense break; LS - pale green fn-md xln w/ smooth to chalky texture; soft break in most w/ abtd fine cuttings fresh vitreous CH - pale green glassy chips	
	4600		LS - cream to peach & pale green, fn to med xln w/ highly chalky texture; soft break; some visible xln porosity w/ chalkbound porosity & soft powdery break; some globby pale green shales; no odor; no fluor; no show	
	4600		Chalky LS & CH - pale grey to pale green, some peachy colored edges; sl dolomitic appearance w/ heavily chalky texture; most crushes soft to powdery w/ some firm pcs CH included throughout; vitreous w/ dense sharp blocky edges; abtd stringers green shales	
	4600		Dolomitic LS interbedded w/ vitreous CH - bone white to grey; pale cream in part; chalk remains abundant throughout samples; sucrosic dolomite developing in part w/ fn xln; partially spotted stain in few pcs lt brown staining; poorly friable chalky break w/ trace drops med brown free oil (~5% of sample w/ slight show) fluor in ~5% of sample; no odor; poor show oa	
	4650		40" Chalky dolomitic lime, cherts & some poorly dev sucrosic dolomite: cream to grey; pale milky hue throughout sample w/ spotty green staining in part; fair vis sucrosic dolomite trying to develop, chalk increasing in 40" sample; oa reservoir quality lacking; most vis pors chalkbound; ~2-3% fluor; weak to questionable show	
	4650		Dol & CH - cream to white, med xln w/ highly chalky texture; sl dolomitic; poor vis pors w/ few traces stain & sfo on break, CH - white to semi-trans; silty to partly weathered; sl dolomitic ip w/ interbedded SH - pale green, silty w/ waxy texture; slippery; no odor; ns	
	4650		Dol - cream to white lt grey, sm pinkish hue; highly chalky w/ dolomitic app & texture; abtd chert, vitreous to partly weathered in few & chalky; few stringers shale - pale green	
	4700		SH - flood turquoise green w/ high % sand content; ~50/50 shaly sand/sandy shale; fine to med grained sb md to partly sb ang' silica grains; intragranular spaces are shalebound w/out free space; stringers pyrite	
	4700		SH - flood turquoise shale, smooth silty to waxy texture w/ sl friable break; moderately well compacted; abtd silica sand interbedded in ~50% of shales (others clean shale in 4711 stop)	
	4700		SH - abtd turquoise shale as above; increasing sandstone; few clusters 'clean' SS appear w/lt grey w/ black speckled incls; med grained well md cfr to sl frosted qtz; fair friable in some w/ mostly barren porosity; dark inclusions appear shaly fragments & dense mineral pyrite	
	4750		SH - turquoise green to brownish alligator green silty shale; smooth, increasingly friable-break in many; abtd SS - cream, grey w/ dark speckled inclusions & pyrite; glauconite mineral inclusions; med grained sl frosted qtz; poorly friable w/ barren porosity in some; most shalebound or pyritic	
	4750		SH - turquoise green w/ flood dark earthy organic rich inclusions; some rounded med grained qtz scattered within many stringers; transitional dolomitic chalky line w/ abtd sand grains tied within as well; appears cream to white w/ fn xln to partly cherty texture; dull yellow fluor cast over dolomite; barren powdery crush; no odor; no show	
	4800		Dol - cream to buff, fn-med xln w/ abtd qtz sand grains (med-ig) tied up within dolomite; transitional w/ some stringers qtz sand clusters; white-pale grey w/ mostly translucent grains; med-ig rounded qtz; turquoise - pale blue shales webbing along edges of many; appears erosional w/ many transitional indicators; no odor; no show	
	4800		Dol - cream to tan, grey & white, fine xln dol w/ similar texture in most from previous sample; fine xln w/ scattered inclusions med-ig rounded qtz; pale blue to milky cast in many w/ influx shales; most shales darkened from green to grey & contain mostly silty clay particulates; trace sand & fair sprinkling pyrite; some of dolomite appears pale grey w/ fine xln, lithographic	
	4800		Dolomite - cream to lt tan, sm pale grey, fn to med xln dol; most dolomite w/ sand inclusions & fine textured limited vis porosity; some visible xln porosity, limited oa w/ most of dolomite appearing tight w/ well compacted & overall dense	
	4850		Dol - cream to buff, fine -xln in most w/ poor xln pors, scattered dissolution pinpoint to small vuggy porosity dev; partially offset xln stacking w/ sl increase texture; fairly well compacted w/ poorly friable break in most; lacking porosity overall w/ some scattered stringers chert & shale stringers; no odor; no show	
	4850		Dolomite - cream to buff, fn-med xln w/ increasing visible xln dev; sucrosic to slightly rhombic xln development w/ increasing friability & overall reservoir quality; barren on break; most consistent 'clean' dolomite represented in this cup @ 4880'	
	4850		Dol - cream to buff, med to large xln rhombic, offset xln stacks; good to very good visible porosity; fair to good friability; barren break with no visible staining, no odor; no show; oa good reservoir quality; limited loose clays/shales visible	
	4900		Dolomite - cream to buff, sm white spotty mineral inclusions; md-large rhombic xln growth w/ offset xln stacking & apparent 2ndary xln (translucent xln - larger than main body of samples; siliceous chert banding in some along edges & within primary pors & dissolution vugs; oa good vis pors & reservoir quality	
	4900		Dol - cream to buff, fn, med-ig xln growth; rhombic w/ oa fair to good xln pors; partial dissolution & sm 2ndary xln; fair friability w/ some sl dense w/ siliceous chert bands in small webs/meandering intraxln as 2ndary, etc; no odor; no show	

Griffin Management LLC

Lou 1

5/23/23

Logging at 7 am

Start running casing at 5:15 pm

Ran 122 jts 5 ½" 17# casing with packer shoe on bottom. Set packer shoe at 4790' (50' into Arbuckle formation) Quality cemented with 145 sks Pro C cement with 10% salt, 2% gel and 5# Koseal . Plug down at 9:15 pm. Plug rathole with 30 sks.

(Sunrise 4617.41' (117)

(GM inventory 177.59' (5)

6/5/23

Move CCWS to location Too muddy to rig up

6/6/23

RU CCWS (Reyes). RU Excel Wireline. Ran CBL/GR log and perforated 4570'-4580' 3 spft

LTD 4758'. Top of cement 3100'
PU Model R packer and 143 jts 2 7/8" tubing.
Set packer at 4540'. RU to swab
IFL surface. Swabbed down and recovered 27
bbls. Wait 30 mins no fluid entry. SD

6/7/23

Released packer and dropped back to 4583'
(144 jts + 10' pup jt). RU Tiger and spot acid
Picked back up to 4511' (142) and set packer.
Breakdown 1250#. Treated 3 bpm 950-1000#
ISIP 650#. 15 mins 475#
Used 1500 gals 15% MCA acid, 11.8 bbls KCL
spacer water and 27.7 bbls KCL flush water
Flowed back and RU to swab. IFL surface
Swabbed down and recovered 38 bbls 3% OC
1st hr FL 4400' swabbed 4.54 bbls 4% OC
2nd hr FL 4400' swabbed 2.50 bbls 4% OC
Total swabbed back 45.04 bbls
Released packer and TOOH
Shut down

6/8/23

RU Excel Wireline and perforated 4630'-4642'
3 spft. TIH with packer. RU Tiger Chemical and
spot acid at 4642' (146 + 8' pup jt). Pulled up to
4604' and set packer. Breakdown 1100#

Treated 3 bpm at 800#. ISIP 625# 15 mins 425#
Used 1500 gals 15% MCA acid, 10.2 KCL spacer
water and 27.2 KCL flush water.

RU to swab. IFL surface

Swabbed down and recovered 68.64 bbls TOB
oil

1st hr FL 4400' swabbed 2.2 bbls TOB oil

2nd hr FL 4400' swabbed 1.5 bbls. TOB oil

Swabbed back 72.24 bbls

Release packer and swabbed 17 bbls

6/9/23

TP 10#. IFL 2600'

1st swab recovered 1100' (60' free oil)

Swabbed down and recovered 11.89 bbls 4%

OC

1st hr FL 4400' swabbed 3.9 bbls 7% OC

2nd hr. FL 4400' swabbed 1.8 bbls 7% OC

3rd hr. FL 4400' swabbed .54 bbls 9% OC

Total swabbed back today 17.05 bbls

Released packer. TOOH. Lay down packer

TIH with 147 jts 2 7/8" tubing with seating nipple and mud anchor. Bottom of tubing at 4675'. Run in pump and rods as follows

1) 2 1/2" x 2" x 18' RWB insert

1) 2' x 7/8" pony rod

4) 1 1/4" sinker bars

180) 7/8" rods

1) 8' x 7/8" pony rod

1) 26' polished rod

Shut down for dark

6/12/23

Too muddy for water truck to get on location to load hole

Reyes long stroke pump until well pumped up to 600#. RD

Lou 1. Flow back

6/24/23

CP 1250#. Start flowing back frack

Open to 14/64" choke

1st hr. CP 800# flowed 26 bbls

2nd hr CP 600# flowed 30 bbls

3rd hr. CP 450# flowed 29 bbls

4th hr. CP 475# flowed 40 bbls

Choked back to 12/64"

5th hr. CP 550# flowed 30 bbls

No oil or sand

6/26/23

7:00 am. CP 200# Sli oil show open choke to

18/64"

5:30 pm CP 475# 3% OC

Flowed 232 bbls

6/27/23

7:00 am

CP 150# 16/64". Open to 20/64" choke

3% OC

4:00 pm

CP 300# 21/64" choke

Flowed back 276.5 bbls 4% OC

6/28/23

Well dead. Flowed 32.5 bbls overnight

ND frack valve. RU to run in tubing as follows

1) 2 7/8" mud anchor. 20.10'

1) 2 7/8" seating nipple. 1.10'

143) jts 2 7/8". 4527.47'

Bottom of tubing landed at 4548.67'

RO to run pump and rods as follows

1) 2 1/2" x 2" x 18' RWB insert

1) 2' x 7/8" pony rod

4) 1 1/4" sinker bars

175) 7/8" rods

1) 4' x 7/8" pony rod

1) 2' x 7/8" pony rod

1) 26' polished rod
Hung off and pumping at 12:30 pm

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



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

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Annie Kuether, Commissioner

Laura Kelly, Governor

December 14, 2023

Bryant Theis
Griffin, Charles N.
126 S MAIN ST
PRATT, KS 67124-2711

Re: ACO-1
API 15-007-24468-00-00
LOU #1
NE/4 Sec.22-30S-15W
Barber County, Kansas

Dear Bryant Theis:

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

The above referenced well was spudded on 5/18/2023 and the ACO-1 was received on December 13, 2023 (not within the 120 days timely requirement).

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

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

Sincerely,

Production Department