

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 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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Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	LYN 1
Doc ID	1533781

All Electric Logs Run

Porosity
Dual Induction
Micro
Sonic

Griffin Management LLC

LYN 1

9/5/20

Started running casing at 6:25 am

Run in 120 jts 5 ½" 15.5# used tested casing

Total 4848'. PBTD 4838'

Circulated 1 hour

RU QUALITY and cemented with 150 sks

Pro C (griffin blend) cement 2% gel, 10% salt
and 5# Koseal. Plug down at 11:00 am

Plugged rathole with 30 sks and mousehole
with 20 sks

9/24/20

RU Allaince Well Service

9/25/20

RU Hydro Tester. Test tubing in hole.

TOOH. RU Excel Wireline. Run CBL/GR Log
and perforate 4726'- 4736' (10' x 3 spft)

PBTD 4824'

PU packer and TIH with 147 jts 2 7/8" tubing

Set packer at 4687'. RU to swab, IFL 200'

Swabbed down and recovered 20 bbls

No oil or gas

Wait 30 mins recovered no fluid entry

Shut in

9/26/20

TP 0#

Made 1 swab no fluid entry

PU 1 jt and 16' tubing subs

RU Pro Stim and spotted 26 bbls at 4736'

Pulled 1 jts and subs. Set packer at 4687'

Pumped 1000 gals 15% Mud acid and 27.5 bbls KCL flush water.

Breakdown 1100#. Treated 3.5 bpm @ 950#

ISIP 750#. 15 mins 430#. Flowed back 5 bbls

RU swab. IFL surface

1st hr. FL 4500. Rec 25 bbls Sli oil

Wait 15 mins rec 300'. TOB oil

Wait 15 mins rec 150'. TOB oil

Wait 30 mins rec 150'. $\frac{3}{4}$ TOB oil

Wait 30 mins rec 150'. $\frac{3}{4}$ " TOB oil

Wait 30 mins rec 150' $\frac{1}{2}$ TOB oil

Wait 30 mins rec 100' ½ TOB oil

Wait 60 mins rec 100' ½ TOB oil

Wait 60 mins rec 150' ¼ TOB oil

Recovered 37 bbls

of 53 bbls used

Shut in

9/28/20

Tp 8#. IFL 2100'

1st swab 10' oil/ 1000' acid water

2nd swab 1000' acid/ salty water

3rd swab 600' acid / salty water Sli oil

4th swab 100' acid/ salty water. Sli oil

Wait 15 mins 75' acid/ salty water Sli oil

Recovered 12 bbls. Total recovered 49 of 53 bbls.

Rigged down rig 10 to replace with Rig 30

Rig 30 spotted in

9/29/20

RU Rig 30. TP 4#. IFL 3200'

Made 1 swab recovered 1200' water

Released packer and TOOH. RU Excel Wireline

Set CIBP at 4710' and perforated 4632'- 4638'
3 spft. TIH with packer. RU Pro Stim and spot
Acid at 4640' (145 jts, 2) 4' and 1) 8' sub. Laid
down subs and 1 jt. Set packer at 4589' (144
Breakdown 1000# First 7 bbls 2.5 bpm at
1300#. Last 5 bbls 2.5 bpm at 700#. Packer
was holding ok. ISIP 500# 15 mins
Used 500 bbls Cherokee blend acid with 28
bbls KCL flush water. Total used 40.5 bbls.
RU to swab. IFL surface
1st hr Fl 4500' Rec 30 bbls no oil
Wait 15 mins no entry
Open bypass and swabbed 15 bbls
Wait 30 mins recovered 150' 35% OC
Total recovered
30.5 bbls of 40.5 bbls
Shut in
9/30/20
TP 17#. IFL 4000'
1st swab recovered 500' 95% OC 3 bbls
2nd swab recovered 0. No entry

Wait 30 mins recovered 0' no entry
Wait 30 mins recovered 0' no entry
RU Pro Stim. Pumped 1000 gals Cherokee
Blend and 27.5 bbls KCL flush water.

Used 52 bbls total

Treated 5.5 bpm at 1300% avg

ISIP 650#. 15 mins 470#.

Flowed back 5 bbls

RU to swab

1st hr recovered 32 bbls 20% OC

Wait 15 mins recovered 200' 85% OC

Wait 15 mins recovered 150' 85% OC

Wait 30 mins recovered 150' 85% OC

Wait 30 mins recovered 200' 78% OC

Wait 30 mins recovered 150' 78% OC

Wait 30 mins recovered 100' 78% OC

Total recovered 44.5 bbls. Shut in

10/1/20

TP. 35#. IFL 3850'

1st swab recovered 700' oil/ 50' water

Wait 15 mins no entry

Wait 30 mins recovered 250'. 60% OC

Wait 30 mins recovered 200'. 72% OC

Released packer and swabbed down

TOOH to frack on Friday

10/2/20

RU Gore N2. Gore fracked with 635 bbls slick water, 39,998# 20/40 mesh sand, 6,069#

Restin coated 20/40 mesh sand and

1,271,000 scf N2. ISIP 2279# 15 mins 2171#

Shut in

10/3/20

CP 1900# Start flowing back

1st hr. 16/65" CP 1400#. Rec 28 bbls

2nd hr 17/64" CP. 950#. Rec 30.5 bbls

3rd hr 16/64" CP 540#. Rec 27.5 bbls

4th hr 18/74" CP 380#. Rec 32.5 bbls 5% OC

5th hr 20/64" CP 200#. Rec 22.5 bbls 16% OC

6th hr 21/64" CP 150#. Rec 17.5 bbls 21% OC

1 ½ hr 24/64 CP 35# Rec 15 bbls 27% OC

1 hr. 24/64" CP 0#. Rec 2.5 bbls 30% OC

Total back 176 bbls of 635 bbls used in frack

Left well open to tank.

10/4/20 (Sunday)

Blowing N2

Flowed 12.5 overnight. Total back 188.5 bbls

10/5/20

Casing had Sli blow. RU casing jar. Operator found a broken wire strand above rope socket, so crew had to pour a new rope socket. Run in hole with casing jar and tagged sand above perforations. PU hydro static bailer. TIH with tubing. Tagged sand at 4515' (7' above perforations). Bailed 90' to 4705'.

TOOH

Laid down bailer. TIH with tubing as follows

1) 15' 2 7/8" mud anchor. 15.10'

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

144). Jts 2 7/8" tubing. 4583.43'

Landed bottom

of mud anchor at 4599.63'

RU to run in pump and rods in morning

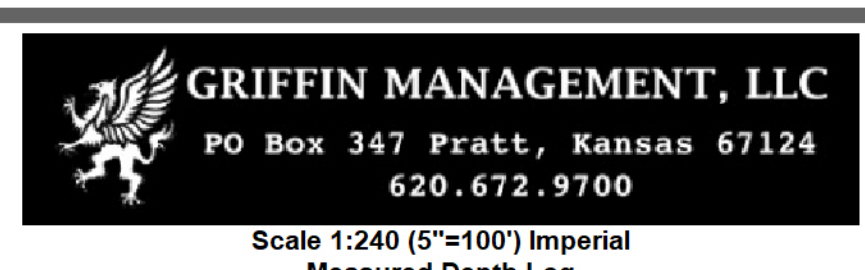
Shut down

10/6/20

Run in pump and rods as follows

- 1) 2 ½" x 2" x 14' RWB
- 1) 2' 7/8" pony rod
- 9). 7/8" rods
- 99). ¾" rods
- 73). 7/8" rods
- 1). 8' 7/8" pony rod
- 1). 6' 7/8" pony rod
- 1) 4' 7/8" pony rod
- 1). 2' 7/8" pony rod
- 1). 22' polished rod

Set pumping unit and started pumping at
3:30 pm



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

Well Name: Lyn #1
API: 15-151-22514
Location: W2 - E2 - NW - NE of 32 29s 15w
License Number: 33936
Spud Date: 03/31/2020
Surface Coordinates: Lat: 37.48314, Long: -98.98160
Bottom Hole Coordinates: .5 deg @ 265' & 1363'. 1 deg @ 2322'. 1.25 deg @ 4060'
Ground Elevation (ft): 2015' K.B. Elevation (ft): 2026'
Logged Interval (ft): 3600' To: 4860' Total Depth (ft): 4860'
Formation: Ordovician (Simpson) @ RTD
Type of Drilling Fluid: Mud Co. Chemical Drispac
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Griffin Management, LLC
Address: P.O. Box 347
Pratt, KS 67124-0347

GEOLOGIST

Name: Eli J. Felts
Company: Griffin Management, LLC
Address: ejfelts47@gmail.com
316.204.5059

Formation Tops

SAMPLE TOPS

LOG TOPS

Table with 2 columns: SAMPLE TOPS and LOG TOPS. Lists formation names and depths for both sample and log tops.

Drilling Report

Murfin Drilling, Rig #114
Tool Pusher: Paco Gonzales
Call # 785-743-6752

8/31/2020
Spud @ 4:00 PM
Set Surface, Plug Down @ 9:15 PM

9/01/2020
Drilling Cement @ 265'

9/02/2020
Drilling @ 2316'
Displace 2697'-2717'
Bit trip @ 3232'

9/03/2020
Drilling @ 3427' - Geo on location

9/04/2020
Drilling @ 4750'
RTD @ 4860' - 10:30 AM
CFS 60" @ TD
Short Trip 30 stands - up to last bit trip
CTCH for logs 90", Drop Survey, TOOH

ELI Loggers on location. TH w logs @ 6 pm. Finish Logging @ ~11:30 PM
Geo left location upon completion of logs.

9/05/2020
Run Casing
Plug Down @ 11:00 AM
Released Rig @ 6 PM

9/06/2020
Done

Problems

Bit trip @ 3232' - swapped bits (ran PDCs)
No Major Problems

Pipe Setting

8.625" (23#) Surface @ 265'

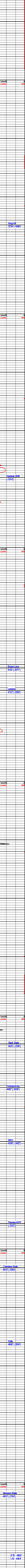
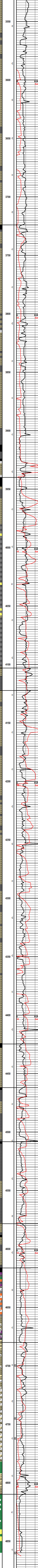
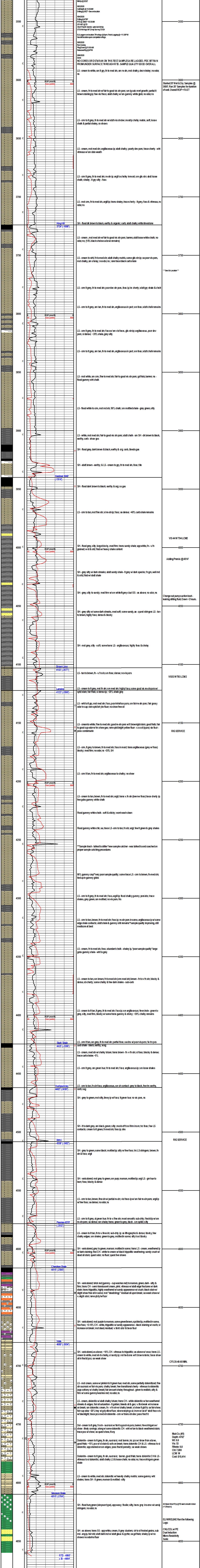
5.5" (15.5#) Production @ 4838'

ROCK TYPES

Legend for rock types including Anhy, Bent, Brecc, Cht, Chst, Coal, Congl, Dol-cream, Dol, Gyp, Igne, Granite 2, Granite, Lmst tan, Lmst, Meta, Mrlst, Quartz, Salt, Shale 2, Sh-maroon, Shale 1, Shale grey, Shcol, Shgy, Silstone - gre, Siltst, Ss, Till.

REFERENCE WELLS LOG TOPS

Table with 10 columns: Well Name, Formation, Depth (ft), and other data for reference wells.



Geological Descriptions: Detailed text descriptions of rock layers, including lithology, texture, and composition.

DSTs/Mud Surveys, etc.: Data for mud surveys, including mud weight, volume, and other parameters.

QUALITY WELL SERVICE, INC.

7490

Federal Tax I.D. # 481187368

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

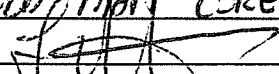
Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-5-20	32	29S	15W	PRATT	Ks		
Lease LYN	Well No. #1	Location: HWY 54 - 140 th S TO 110 th ST					
Contractor	MURFIN OIL RIG #114	Owner	3/4 E SINTO				
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.	4859'				
Csg.	5 1/2 15.5"	Depth	4848'				
Tbg. Size		Depth	Street				
Tool		Depth	City State				
Cement Left in Csg.	9.69	Shoe Joint	9.69				
Meas Line		Displace	115.15				
EQUIPMENT			10% SALT 5 1/2" x KOLSEAL 6% CIFA .25% C41P 1/4" x P				
Pumptrk	8 No.		Common 200 #				
Bulktrk	15 No.		Poz. Mix				
Bulktrk	No.		Gel. 376 #				
Pickup	No.		Calcium				
JOB SERVICES & REMARKS			Hulls				
Rat Hole	30 #		Salt 1101 #				
Mouse Hole	20 #		Flowseal 50 #				
Centralizers	1-2-3-4-5-6-7		Kol-Seal 1000 #				
Baskets			Mud CLR 48 500 GAL				
D/V or Port Collar			CFL-117 or CD110 CAF 38 CIFA 1128 #				
Ran RD H's	5 1/2 15.5" CSG SET @ 4848		Sand CC-1 7 GAL C41P 47"				
START CSG	CSG on Bottom # TAG		Handling 246				
Hook up to CSG	# Breaker w/air drop & circ		Mileage 251 6150				
START Pumping	10 Bbls H ₂ O 12 Bbls MF 10 Bbls H ₂ O		5 1/2 FLOAT EQUIPMENT				
START mix!	Pump 50 # Plug R-M Holes		Guide Shoe H: M 1 EA				
START mix & Pump	150 # ↓ CSG @ 140 1/4 GAL		Centralizer 7 EA				
SHUT DOWN	WASH UP TCK RELEASE 5 1/2 LK		Baskets				
START Disp	w/ 2% KCL		AFU Inserts				
Lift ps	98 out 650 #		Float Shoe				
PLUG DOWN	115.5 1100 #		Latch Down 1 EA				
ps ↑ CSG	1000 #		SERVICE SUPV 1 EA				
RELEASE	# HELD 1/2 Bbl BACK		LMV 2.5				
Good circ	thru JO3		Pumptrk Charge LS				
THANK YOU			Mileage 50				
PLEASE CALL AGAIN			Tax				
TODD MART COREY			Discount				
X Signature			Total Charge				

QUALITY WELL SERVICE, INC.

7488

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Date	Sec.	Twp.	Range	County	State	On Location	Finish			
8-31-20	32	29S	15W	Pratt	Kc					
Lease	LYN		Well No.	#1				Location	HWY 54i 140 th AVE S. to 110 th ST	
Contractor	MURFIN TRIG #114			Owner	3/4 E Sinto					
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.	265'						
Csg.	8 5/8 23"		Depth	265'						
Tbg. Size			Depth							
Tool			Depth							
Cement Left in Csg.			Shoe Joint	20						
Meas Line			Displace	15.7						
EQUIPMENT				2 1/2" CEL 3 1/2" CL 1/2" PS						
Pumptrk	8 No.		Common				275 SE			
Bulktrk	15 No.		Poz. Mix							
Bulktrk	No.		Gel.				517"			
Pickup	No.		Calcium				776"			
JOB SERVICES & REMARKS				Hulls						
Rat Hole				Salt						
Mouse Hole				Flowseal				137.5"		
Centralizers				Kol-Seal						
Baskets				Mud CLR 48						
D/V or Port Collar				CFL-117 or CD110 CAF 38						
Run both's 8 5/8 23" CSG SETD 265'				Sand						
CSG ON Bottom Has Lyp to CSG				Handling				295		
'BREAK CIRC W/IRIG				Mileage				251 7375		
START PUMPING HD 8 5/8 H2O				8 5/8 FLOAT EQUIPMENT						
START MIX: PGM 275 SE Common				Guide Shoe				14" M 1EA		
2 1/2" CEL 3 1/2" CL 1/2" PS 14.8 3/4 GAL				Centralizer				3 5/8 WOODEN PLUG 1EA		
SHOT DOWN RELEASE 8 5/8 WP				Baskets						
START DISP				AFU Inserts						
Plug Down 15.7 8 5/8 out				Float Shoe						
CLOSE VALVE ON CSG				Latch Down						
Send circ thru JOB				SERVICE SQW				1EA		
CIRC CONT TO PIT				LMV				25		
TITANK POJ				Pumptrk Charge				SURFACE		
PLEASE CALL AGAIN				Mileage				50		
TODD MILES PRATT								Tax		
Signature								Discount		
								Total Charge		