

Confidentiality Requested:

 Yes NoKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISIONForm ACO-1
January 2018Form must be Typed
Form must be Signed
All blanks must be FilledWELL 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: _____ (e.g. xx.xxxxx), Long: _____ (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 DistributionALT 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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

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 (Explain) _____				
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 (If vented, Submit ACO-18.)		METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4)			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 (Amount and Kind of Material Used)	
TUBING RECORD: Size: Set At: Packer At:						

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	HOPE #3X
Doc ID	1731287

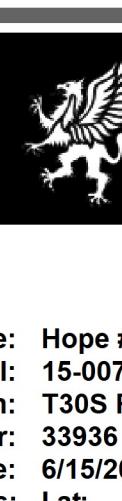
Tops

Name	Top	Datum
Heebner	3855	-1913
Brown Lime	4033	-2091
Lansing	4049	-2107
Stark	4363	-2421
B/KC	4448	-2506
Pawnee	4512	-2570
Cherokee	4551	-2609
Viola	4606	-2664
Simpson	4724	-2782

Form	ACO1 - Well Completion						
Operator	Griffin, Charles N.						
Well Name	HOPE #3X						
Doc ID	1731287						

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	54.5	46	common	90	2%Gel 3%CC
Surface	12.25	8.625	23	977	Common	425	2%Gel 3%CC
Production	7.875	5.5	15.5	4756	Pro C	175	2%Gel 10% Salt



GRiffin MANAGEMENT, LLC

126 S. Main, Pratt, KS 67124

620.672.9700

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

Well Name: Hope #3X
API: 15-007-24474
Location: T30S R15W Sec 16, S2 SW NE NE
License Number: 33936
Spud Date: 6/15/2023
Surface Coordinates: Lat: 37.438573
Long: -98.96075
Bottom Hole Vertical Wellbore
Coordinates:
Ground Elevation (ft): 1937' K.B. Elevation (ft): 1942'
Logged Interval (ft): 3800' To: 4773' Total Depth (ft): 4773'
Formation: Ordovician (Simpson Shale) @ RTD
Type of Drilling Fluid: Mud-Co. Chemical Drispac - Displaced 2802'-2833'
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Griffin Management, LLC
Address: 126 S. Main
Pratt, KS 67124-0347

GEOLOGIST

Name: Eli J. Felts
Company: Griffin Management, LLC
Address: efelts@griffinmgmt.com
316.765.4070

Drilling Report

Murfin Rig #104

Tool Pusher: James Mayfield

6/15/2023
Spud @ 12:15 PM
Set Conductor Casing @ 46' w/ 90 sxs

6/16/2023
Drilling @ 577'

6/17/2023
WOC @ 977'

6/18/2023
Drilling @ 2356'

6/19/2023
Drilling @ 3564'

6/20/2023
Drilling @ 4486'
RTD @ 6 PM - RTD 4722'

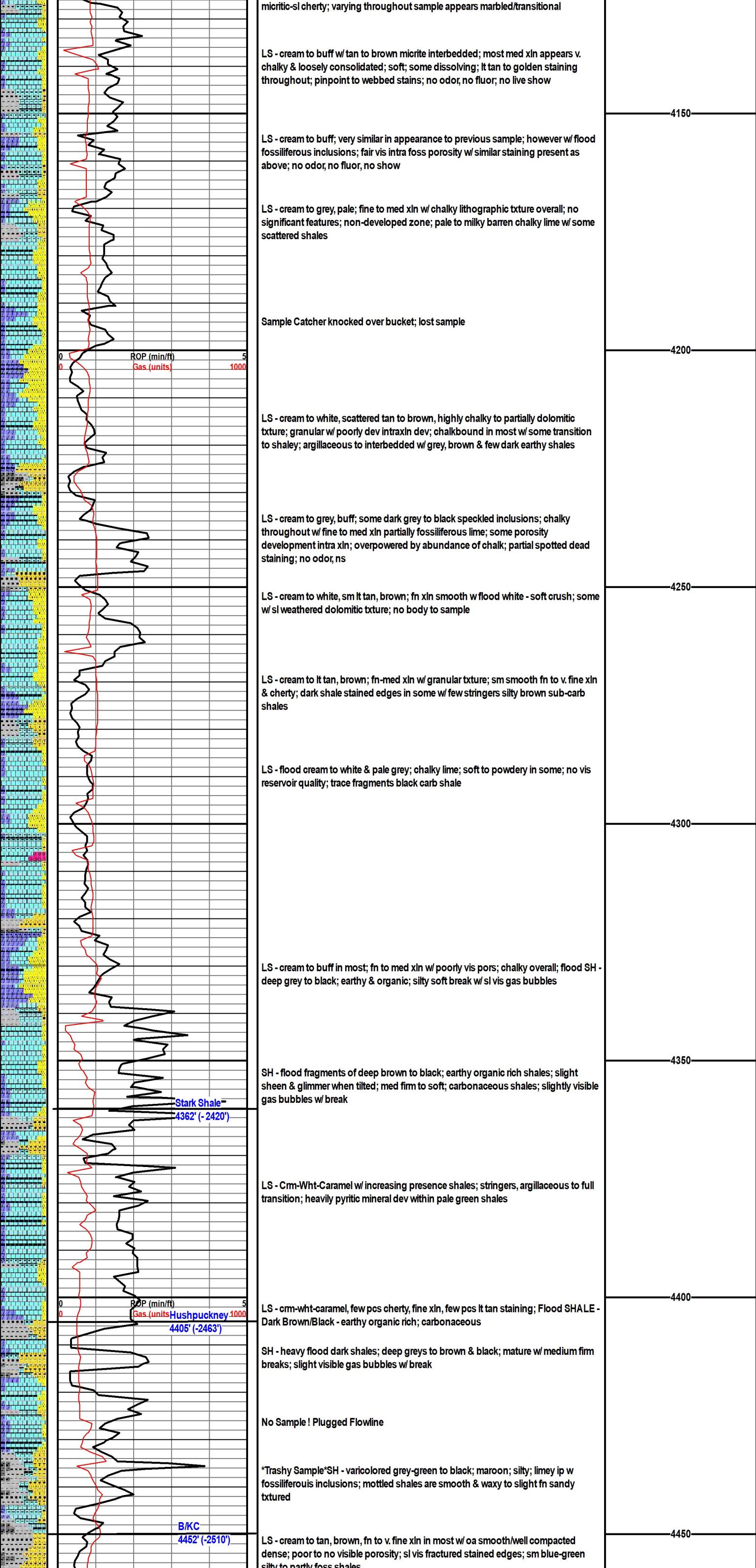
6/21/2023
Logging @ 4772'
Release Rig 11:45 PM

Problems

Original Location (Hope #3) Lost Circulation @ 798' & Plugged.
Skid rig 50' North - Spud Hope #3X

Pipe Setting

13.375" Set @ 46' w/ 90 sxs.
8.625" 234 Set @ 977' w/ 425 sxs (2-Stage)
5.5" 15.5# Set @ 4756' w/ 145 sxs



Griffin Management LLC

Hope 3X

6/12/23

Plug and abandon Hope 3 due to lost circulation at 800'

6/14/23

Move drilling rig off hole
Backfill cellar and cleaned up location
Dug a new cellar for Hope 3X

6/15/23

Rig drilling rig back up. Spud at 12:15 pm
Drilled 982' 12 1/4 hole. Lost circulation at 798'
Drilled to 982' without circulation. Run in 23 jts
8 5/8" 24# surface casing. 972'. Set casing at
977'. Pumped 250 sks common cement down
8 5/8". Pumped 175 sks 65/35 posmix cement
with 10% salt, 2% gel and 3% CC down backside
of 8 5/8". Finish cementing at 10:15 pm

6/16/23

Drilled out cement and drilling ahead.

6/21/23

Logging at 3:30 am

Start laying down pipe at 10:45 am

Start running casing at 2:25 pm

Run 123 jts 5 ½" 17# casing. Total 4761.09'

Set casing at 4756. Quality cemented with 175
sks Pro C cement with 10% salt, 2% gel and 5#
Koseal. Plug down at 7:40 pm. Plug rathole with
30 sks cement. Released rig

7/12/23. (HOT)

RU CCWS (Les). RU Excel Wireline. Ran CBL/GR
log and perforated 4650'- 4666' & 4634'- 4642'
3 spft. LTD 4754'

PU model R packer and pick up 141 jts 2 7/8"
tubing. Set packer at 4586'. RU to swab.

IFL surface. Swabbed down and recovered 24
bbls. No oil or gas show. Shut in well.

Will do acid breakdown in morning.

7/13/23

TP 0# made 1 swab no fluid entry overnight
RU Tiger Chemical and acidized with 2000 gals
15% MCA acid, 8.5 bbls KCL spacer water and
27.5 bbls KCL flush water. Total 84 bbls used
Breakdown 1250#. Treated 3.25 bpm at 500#
ISIP 300# 15 mins 75#. RU to swab IFL surface
Swabbed down and recovered 48 bbls 20% OC
1st hr FL 4000' swabbed 20 bbls 40% OC
2nd hr FL 4000' swabbed 12 bbls 35% OC
Swabbed back 72 bbls. Released packer and
swabbed 56 bbls. Last swab recovered 500' 20%
OC. TOOH with packer and tubing. Shut in well
Plan to frack tomorrow

7/14/23

RU Gore N2 and frack with
4,145 bbls slick water
71,290# 20/40 mesh sand
8,111# Restin coated 20/40 mesh sand
1,472,000 scf N2

Fracked 60 bpm 2180#
ISIP 1664#. 15 mins 1360#
Shut in well and hooked up flowback line.

7/15/23
CP 900# open on 12/64" choke
1st hr CP 825# flowed 40 bbls
Choked back to 10/64"
2nd hr. CP 750# flowed 20 bbls
3rd hr. CP 450# flowed 12.5 bbls
4th hr. CP 325# flowed 15.0 bbls
5th hr. CP 300# flowed 20.0 bbls
6th hr. CP 350# flowed 20.0 bbls
7th hr. CP 300# flowed 17.5 bbls
8th hr. CP 275# flowed 17.5 bbls
9th hr. CP 275# flowed 10.0 bbls
10th hr CP 235# flowed 15.0 bbls
Flowed back 192.5 bbls.
Sli oil show at end of day
Left well open to tank overnight

7/16/23

9:00 am

CP 165# flowed 165 bbls in 12 hrs

11% OC

11:00 am

CP 145# flowed 20 bbls in 2 hrs 12% OC

Open choke to 19/64" choke

2:00 pm

CP 225# flowed 47.5 bbls in 3 hrs 14% OC

6:30 pm flowed 105 bbls in 4.5 hrs 17% OC

7:30 pm flowed 20 bbls in 1 hr 17% OC

Flowed 357.5 overnight and today

Total flowed back 550 bbls. Left well open to tank overnight.

7/17/23

7:00 am

CP 140# flowed 225 bbls in 11.5 hrs. 28% OC

1st hr CP 115# flowed 15.0 bbls 38% OC

2nd hr CP 95# flowed 12.5 bbls 46% OC

3rd hr CP 80# flowed 12.5 bbls 50% OC

4th hr CP 70# flowed 20.0 bbls 52% OC

5th hr CP 60# flowed 19.0 bbls 55% OC

6th hr CP 55# flowed 17.0 bbls 55% OC

7th hr CP 50# flowed 20.0 bbls 60% OC

8th hr CP 45# flowed 17.5 bbls 55% OC

9th hr CP 20# flowed 10.0 bbls 56% OC

10th hr CP 15# flowed 10.0 bbls 58% OC

Total flowed back today 153.5 bbls

Total recovered 928.5 bbls

Left well open to tank overnight.

7/18/23

Well dead. ND frack valve. TIH as follows

1) 2 7/8" mud anchor 15.10'

1) 2 7/8" seating nipple 1.10'

141) jts 2 7/8" tubing. 4586.15'

Bottom of tubing landed at 4602.35'

Note: run in 147 jts and tagged at 4750'

RU to run pump and rods as follows

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

- 1) 2' x 7/8" pony rod
- 4) 1 1/4" sinker bars
- 177) 7/8" rods
- 1) 26' polished rod

RD CCWS

Set pumping unit and start pumping at 7:30 pm

QUALITY WELL SERVICE, INC.

8312

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	Sec.	Twp.	Range	County	State	On Location	Finish
6-15-23	16	30S	1SW	BARBER	KS		
Lease	HOPE	Well No.	3X	Location			
Contractor	Murfitt Oil Co. P.O. 104			Owner			
Type Job	Cond				To Quality Well Service, Inc.		
Hole Size	17 ¹ / ₂	T.D.	46	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg.	13.8 54.5 lbs	Depth	46	Charge To	Griffin		
Tbg. Size		Depth		Street			
Tool		Depth		City	State		
Cement Left in Csg.		Shoe Joint	10	The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace	5 Bbls	Cement Amount Ordered 250 sc (bmmw)			
EQUIPMENT				21. GEL 31/ CC 1 ¹ / ₂ " ps USED 90sc			
Pumptrk	8	No.		Common 90			
Bulktrk	10	No.		Poz. Mix			
Bulktrk		No.		Gel. 169 lbs			
Pickup		No.		Calcium 254 lbs			
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal 45 lbs			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
Run 1st 13 ³ / ₈ 54.5 lb csg. SET 3 46'				Sand			
STAB csg. csg. on Bottom				Handling 90			
Hook up to csg. BREAK circ while				Mileage 25/3750			
STAB Pumping H ² O				FLOAT EQUIPMENT			
STAB MIX! Pump 90 sc (bmmw)				Guide Shoe			
21. GEL 31/ CC 1 ¹ / ₂ " ps 3 14.8" sc				Centralizer			
STAB DISP				Baskets			
Push down 5.2 bbl. total				AFU Inserts			
CLOSE VALVE on csg.				Float Shoe			
Good Circ thru job				Latch Down			
CIRC CIRC TO PIT				SERVICE SUPN 1 EA			
				LMN 25			
				Pumptrk Charge Cond			
				Mileage 50			
				Tax			
				Discount			
				Total Charge			

X Signature

QUALITY WELL SERVICE, INC.

8313

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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	Sec.	Twp.	Range	County	State	On Location	Finish
6-16-23	16	325	15W	BARTON	KI		
Lease	HOPE	Well No.	3X	Location			
Contractor	Murfin	DeLg	26 ⁰ 104	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.	977'				
Csg.	95/3	Depth	977'	Charge To	Gr. Fin		
Tbg. Size		Depth		Street			
Tool		Depth		City	State		
Cement Left in Csg.		Shoe Joint	42.20	The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace	59.33	Cement Amount Ordered 250 ⁰ Common 21 ⁰ 3 ⁰ 1 ⁰ 1/2 ⁰ PS			
EQUIPMENT				450 ⁰ 65/35 6 ^{1/2} Gal 31 ⁰ 1 ⁰ 1/2 ⁰ USG 175 ⁰			
Pumptrk	8	No.		Common 250 ⁰ + 114 = 364			
Bulktrk	10	No.		Poz. Mix 61 ⁰			
Bulktrk	12	No.		Gel. 13.34 lbs			
Pickup		No.		Calcium 1162 lbs			
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal 213 ⁰			
Centralizers	5 BIT 150' OFF Bottom			Kol-Seal			
Baskets	450' from TOP			Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
Run 23 ft's 85/323" CSG SET 2 977				Sand			
START CSG CSG ON Bottom Dep. 911				Handling 467			
Root up to CSG & BREAK C18C W/ Pump & C				Mileage 251 11675			
Pump 65 BBL H2O				85/3 FLOAT EQUIPMENT			
START MIC Pump 250 ⁰ Common				Guide Shoe 1 EA			
21 ⁰ 3 ⁰ 1 ⁰ 1/2 ⁰ PS 214.8 ⁰ /Gal				Centralizer 2 EA			
SHUT down RELEASE 85/3 TOP PLATE				Baskets 2 EA			
START DISP				AFU Inserts 1 EA			
Pump 60 BBL Didn't SEE PLATE LAMP				Float Shoe 1 EA H ¹ m			
CLOSE VALVES on CSG				Latch Down 1 EA TOP RUBBER PLATE			
MIC: Pump 175 ⁰ 65/35 6 ^{1/2} Gal				SERVICE SPOT 1 EA			
3 ⁰ 1 ⁰ 1/2 ⁰ PS 13.3 ⁰ /Gal				LMJ 25			
CIVIC CNG TO SURFACE				Pumptrk Charge Surface			
WOC 1 HR Didn't Fall				Mileage 25			
THANK YOU				Tax			
PLEASE CALL AGAIN				Discount			
X Signature	TODD NATE ART MATT			Total Charge			

QUALITY WELL SERVICE, INC.

8314

Federal Tax I.D. # 481187368

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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	Sec.	Twp.	Range	County	State	On Location	Finish
6-21-23	16	30S	15W	Barber	Ks		
Lease	HOPE	Well No.	3X	Location			
Contractor	Mobefix Delco	R.G.	104	Owner			
Type Job	5 1/2 LS				To Quality Well Service, Inc.		
Hole Size	7 1/8	T.D.	4773'	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg.	5 1/2	Depth	4758.09	Charge To	Graffin		
Tbg. Size		Depth		Street			
Tool		Depth		City	State		
Cement Left in Csg.		Shoe Joint	7.93	The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace	110.20	Cement Amount Ordered 2055x ProL 21.GEL 10% SALT			
EQUIPMENT				5" / 5x KolSeal. 6" C16A 25% C41P 25" / 5x PS			
Pumptrk	B	No.		Common 2055x			
Bulktrk	D	No.		Poz. Mix			
Bulktrk		No.		Gel. 3051bs			
Pickup		No.		Calcium			
JOB SERVICES & REMARKS				Hulls			
Rat Hole	305x			Salt 12.9 lbs			
Mouse Hole				Flowseal 51 lbs			
Centralizers	12-3-4-5-6-7			Kol-Seal 1025 lbs			
Baskets				Mud CLR 48 500 GAL			
D/V or Port Collar	USED			CFL-117 or CD110 CAF-38 1/6 lbs C16A			
Run 123 ft's 5h 17" CS6 SET 2 4756				Sand 1.19 GAL 48 lbs C41P			
START CS6 CS6 on Bottom! TAG Drop Ball				Handling 257			
Hookyto CS6! BREAK circ w/ pig				Mileage 25 / 6425			
START Pumping 10 Bbls H2 12 Bbls MF 10 Bbls H2				5" / FLOAT EQUIPMENT			
START Plug R-Hole 305x				Guide Shoe H:M 1 EA			
START Mix! Pump 175 x ProL & CS6 14.8" / 61L				Centralizer 7 EA			
SHUT DOWN WASH w/ pig RELEASE 5'h LD Plob				Baskets			
START Disp w/ 2" RCL				AFU Inserts			
LIFT PSI 95 lbs out 550+				Float Shoe			
Plob. Down 110.20 out 1500+				Latch Down 1 EA			
PSI up CS6 1700+				SERVICE SPN 1 EA			
RELEASE iHECO 1/2 Bbl Back				LMV 25			
Good rig thru 303				Pumptrk Charge 25			
THANK YOU				Mileage 50			
PLEASE CALL AGAIN				Tax			
100% DATE JACKSON Arthur				Discount			
X Signature				Total Charge			