

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) (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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Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



Date	Invoice #
12/22/2022	6934

Bill To	
Barnard Oil Operations PO Box 535 Madison, KS 66860	
Customer ID#	1145

Job Date	12/20/2022
Lease Information	
Austin-Horst #2	
County	Greenwood
Foreman	KM

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C102	Cement Pump-Longstring	1	1,180.00	1,180.00
C107	Pump Truck Mileage (one way)	35	5.00	175.00
C203	Pozmix Cement 60/40	175	15.75	2,756.25T
C206	Gel Bentonite	900	0.30	270.00T
C208	Pheno Seal	350	1.55	542.50T
C201	Thick Set Cement	75	24.25	1,818.75T
C207	KolSeal	375	0.56	210.00T
C208	Pheno Seal	150	1.55	232.50T
C108B	Ton Mileage-per mile (one way)	407.75	1.50	611.63
C403	4 1/2" Top Rubber Plug	1	57.00	57.00T
C653	4 1/2" Flapper Type Float Shoe	1	295.00	295.00T
C113	80 Bbl Vac Truck	2.5	95.00	237.50
C113	80 Bbl Vac Truck	2.5	95.00	237.50
C224	City Water	5,000	0.012	60.00T
D101	Discount on Services		-122.08	-122.08
D102	Discount on Materials		-312.10	-312.10T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
 Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045

pd 12-26-2022

Subtotal	\$8,249.45
Sales Tax (7.5%)	\$444.74
Total	\$8,694.19
Payments/Credits	\$0.00
Balance Due	\$8,694.19

Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



Date	Invoice #
12/22/2022	6931

Bill To	
Barnard Oil Operations PO Box 535 Madison, KS 66860	
Customer ID#	1145

Job Date	12/16/2022
Lease Information	
Austin-Horst #2	
County	Greenwood
Foreman	KM

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C101	Cement Pump-Surface	1	950.00	950.00
C107	Pump Truck Mileage (one way)	35	5.00	175.00
C200	Class A Cement-94# sack	85	18.55	1,576.75T
C205	Calcium Chloride	240	0.75	180.00T
C206	Gel Bentonite	160	0.30	48.00T
C108A	Ton Mileage (min. charge)	1	390.00	390.00
C113	80 Bbl Vac Truck	2	95.00	190.00
C224	City Water	2,100	0.012	25.20T
D101	Discount on Services		-85.24	-85.24
D102	Discount on Materials		-91.50	-91.50T

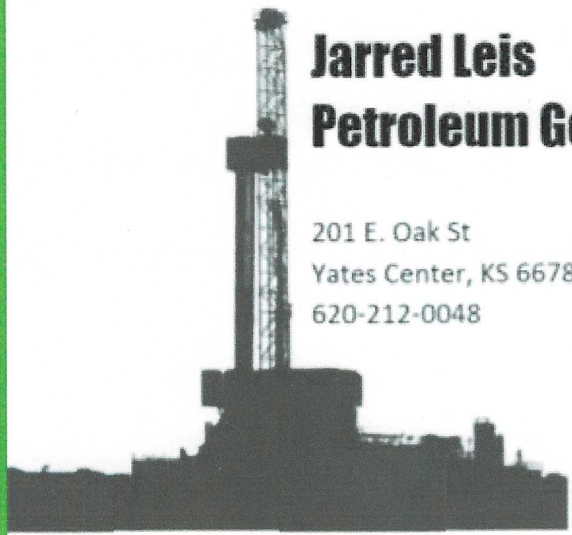
We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
 Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045

*pd 12-26-2022
 IDC - Austin Horst*

Subtotal	\$3,358.21
Sales Tax (7.5%)	\$130.38
Total	\$3,488.59
Payments/Credits	\$0.00
Balance Due	\$3,488.59



Jarred Leis
Petroleum Geologist

201 E. Oak St
Yates Center, KS 66783
620-212-0048

Well-Site Geologists
Jarred Leis

201 E Oak St
Yates Center, KS 66783

Software: HMG Strata Log
HMG Software LLC
PO Box 20658, Albuquerque, NM 87154
505-320-3432 www.hmgsoftwarellc.com

Operator
Barnard Oil Operations

Well Name
Austin-Horst #2

Operator Address
PO Box 535
Madison, KS 66860

Well Information

Field: DeMalorie-Sowder	Ground Elevation(ft): 1213.0
Region:	KB Elevation(ft): 1213.0
Coordinates: 3380' FSL / 330' FEL	Spud Date: 12-16-22
Location: Sec 12 Twp 22 Rge 10E	Drilling Concluded: 12-19-22
State: Kansas, Greenwood	Barnard Oil Operations Geologist(s):
API Index: 15-073-24249	
Rig Operator: HAT Drilling, LLC	Rig Supervisor(s):
	Mike Thompson

Hole Data

12" Hole drilled for surface pipe
6 3/4" Hole drilled from under Surface to TD

Casing Data




















Surface Pipe:	200'	8 5/8"
Production Casing:	2139'	4 1/2"

Legend - Scale 1:240 (1" = 20')

Notes

Due to oil shows in the Bartelsville Sandstone the decision was made to set 4 1/2" casing to further evaluate this zone through perforations.

Log Images

-  Bit Trip
-  Midnight
-  Gas Show
-  Oil Show
-  Casing Show
-  AM Report
-  PM Report
-  Tight Connection
-  Fracture
-  Formation TOP
-  Formation MEMBER
-  Pressure Test
-  Carbonaceous
-  Calcite
-  Kaolinite
-  Survey
-  Pyrite
-  Fossil
-  Connection

Lithology

-  Anhydrite
-  Bentonite
-  Breccia
-  Carbonaceous Shale
-  Cement
-  Chert
-  Claystone
-  Coal
-  Conglomerate
-  Dolomite
-  Fault or Fracture
-  Glauconite
-  Gypsum
-  Limestone
-  Marlstone
-  Mudstone
-  Salt
-  Sandstone
-  Shale
-  Siltstone

Graph Curves

Graph #1

Intervals

-  Circulation
-  Connections
-  Tops
-  Slide
-  Rotate
-  Core
-  Recovered Core
-  Circulation

Graph #1	Depths (ft)	Sample %	Oil Show	DST's	Descriptions
	1750				
					LS: Tn, fg, dense
					SH: Gry, sctrd LS: AA
					SH: Gry
	1800				
					LS: Tan-Gry, fg, dense, sll foss w/ SH: blk
					LS: AA w/ SH: gry
					LS: Mstly gry, f-mg, sub-dense, foss, sctrd fr xln pors, NS
					LS: TAn, fg, sub-frbl, no vis pors w/ SH: gry
					SS: Gry, vfg, sub-rnd, sub-frbl, good pors, NS w/ Sctrd SH: gry
	1850				
					SS: Gry-drk gry, vfg, sub-rnd, micaceous, good pors, no show, w/ Vry sctrd SH: blk
					20ft Samples Starting at 1880
					SH: Gry, silty w/ SS: gry, vfg, dense, no pors
	1900				
					SH: Gry, sndy

No Drill Time, Geolograph Pen Not Working

2000

2050

2100

2150

SH: drk gry w/ abndnt pyrite, sctrd LS: gry, fg, dense

SS: Gry, vfg, sub-hard, sub-rndm micaceous, sctrd pr pors w/ SH: gry

SS: AA w/ SH: drk gry

Mstly SS: lt gry, vfg, sub-rnd, micaceous, sub-dense, pr pors, NS sctrd SH: drk gry

LS: Gry-tan, fg-xln, dense, no pors, sctrd SH: gry, blk

10ft Samples Start Again @ 2020

SH: Gry, silty w/ SS: gry, fg, dense, no pors

SH: Blk & gry w/ SS: lt gry, vfg, frbl, sub-rnd, fair pors, NS

SS: AA w/ SH: blk, gry

SS: Gry, fg, mstly sub-frbl, sub-ang, fr pors, fr-gd odor, no vis FO, vry sctrd fluor

SS: gry, fg, sub-rnd, sub-frbl, fr pors, fr odor, NSFO w/ Siltstone: gry

LOWER BARTLESVILLE 2086

SS Gry, fg, sub-rnd, frbl, gd pors, gd odor, sctrd SFO, gd fluor, slight oil bleed on pit. brkn w/ SH: gry

SS: Gry, FG, sub-rnd, sub-frbl, gd pors, gd odor, NSFO, gd fluor, gs bbbls, slightly brkn w/ SH: gry

SH: Gry w/ SS: AA, less odor

SH Drk & lt gry, sndy txtr

SH: Drk gry

SH: drk gry, sndy

SH: Drk & lt gry

Total Depth 2150

CFS

CFS

CFS

CFS

CFS