KOLAR Document ID: 1476594

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 # 33372
Name: Taos Resources Operating Company LLC
Address 1: 10700 NORTH FREEWAY STE 930
Address 2:
City: HOUSTON State: TX Zip: 77037 + 1142
Contact Person: Keith Fite
Phone: (713) 993-0774
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: N/A
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 #:

8/16/2019 Spud Date or Recompletion Date
08/20/2019 Date Reached TD
10/1/2019 Completion Date or Recompletion Date

API No.: 15-035-24706-00-00
Spot Description:
SE - NW - SW - NE Sec. 34 Twp. 32 S. R. 5 ☑ East ☐ West
1750 Feet from ☑ North / ☐ South Line of Section
2150 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: Cowley
Lease Name: CARNES Well #: 34-1
Field Name: Maddix North
Producing Formation: Miss Lime
Elevation: Ground: 1305 Kelly Bushing: 1301
Total Vertical Depth: 3565 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 218 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: 1000 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated
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: 10/29/2019
☐ **Confidential Release Date:** 10/28/2021
☐ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 10/29/2019

Operator Name: Taos Resources Operating Company LLC Lease Name: CARNES Well #: 34-1

Sec. 34 Twp. 32 S. R. 5 ☑ East ☐ West County: Cowley

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)*	☐ Yes	☑ No	☐ Log Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☑ Yes	☐ No	Name: Attached Top: Attached Datum: Attached
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☐ Yes	☑ No	
Geologist Report / Mud Logs	☐ Yes	☑ No	
List All E. Logs Run:			

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	218	Class A	130	3% CC 3% Gel
Production	7.875	5.50	15.5	3540	Class A	250	150 sks 60/40

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 10/8/2019	Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top	Bottom
		3142	3258
		3282	3431

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)*
Attached	Attached	Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Taos Resources Operating Company LLC
Well Name	CARNES 34-1
Doc ID	1476594

Tops

Name	Top	Datum
Topeka	1206	104
Laton LM	1917	-607
Layton Sand	2364	-1054
KC Lime	2531	-1220
Cherokee	2869	-1559
Chat	3119	-1809
Miss-Lime	3130	-1820
Kinderhook Shale	3501	-2191
Woodford Shale	3538	-2228

Form	ACO1 - Well Completion
Operator	Taos Resources Operating Company LLC
Well Name	CARNES 34-1
Doc ID	1476594

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSetAt	Material Record
2	3139	3142			10,650# 30/50 Mesh ,3500 gal 15% HCL Slickwater
2	3152	3158			10.650# 30/50 Mesh, 4500 gal 15 % HCL Slickwater
	3177	3195			
	3204	3212			
	3222	3236			
	3246	3262			
	3277	3292			

Form	ACO1 - Well Completion
Operator	Taos Resources Operating Company LLC
Well Name	CARNES 34-1
Doc ID	1476594

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	218	Class A	130	3% CC 3% Gel
Production	7.875	5.50	15.5	3540	Class A	250	150 sks 60/40

26644

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

RECEIVED
AUG 26 2019
BY:

ELITE CEMENTING & ACID SERVICE, LLC

Date	Invoice #
8/19/2019	4694

Bill To
Taos Resources Operating Co, LLC 10700 North Freeway, Ste 930 Houston, TX 77037-1142

Customer ID#	1343

Job Date	8/16/2019
Lease Information	
Carnes 34-1	
County	Cowley
Foreman	RM

			Terms	Net 15
Item	Description	Qty	Rate	Amount
C101	Cement Pump-Surface	1	890.00	890.00
C107	Pump Truck Mileage (one way)	80	4.20	336.00
C200	Class A Cement-94# sack	130	15.75	2,047.50T
C205	Calcium Chloride	365	0.63	229.95T
C206	Gel Bentonite	245	0.21	51.45T
C209	Flo-Seal	32	2.35	75.20T
C108B	Ton Mileage-per mile (one way)	488.8	1.40	684.32
D101	Discount on Services		-95.52	-95.52
D102	Discount on Materials		-120.19	-120.19T

WELL ID/AFE # 175D878
CODE 830.130
N OR R
APPROVAL

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

Subtotal	$4,098.71
Sales Tax (6.5%)	$148.45
Total	$4,247.16
Payments/Credits	$0.00
Balance Due	$4,247.16

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **4694**
Foreman Russell McCoy
Camp Eureka

API 15-035-24706-00-00

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
8-16-19	1343	Carnes 34-1	34	32	5	Cowley	Ks

Customer: Taos Resources Operating Co. LLC.
Mailing Address: 10700 North Freeway Ste 930
City: Houston | State: TX | Zip Code: 77037-1142
Safety Meeting

Unit #	Driver	Unit #	Driver
105	Jason		
112	Josh		

Job Type Surface | Hole Depth 218 | Slurry Vol. | Tubing
Casing Depth 224 KB | Hole Size 12¼ | Slurry Wt. | Drill Pipe
Casing Size & Wt. 8⅝ 24# | Cement Left in Casing 20 | Water Gal/SK | Other
Displacement | Displacement PSI | Bump Plug to | BPM

Remarks: Safety Meeting + Job Procedure, Rig to 8⅝ casing, Break circulation w/ 10 BBl water mix + Pump 130 SKs Reg 3% CCAL 2% Gel ¼ Flocele = 32 Slurry @ 1.36 yield @ 15# per/gallon Displace w/ 12¾ water & BBl cement Returns to Surface. Close casing In. Job complete, tear down. 11. PM

Thank you
Russell McCoy

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-101	1	Pump Charge	890.00	890.00
C-107	80	Mileage	4.20	336.00
C-200	130	SKs Class A Regular cement	15.75	2047.50
C-205	365#	CACl2 = 3%	.63	229.95
C-206	245#	Gel = 2%	.21	51.45
C-209	32#	Flocele	2.35	75.20
C-108B	6.11	Ton Ton Mileage X 80 miles	1.40	684.32
			Sub Total	4,314.42
		Discount	-5%	223.53
			Sales Tax	156.27
			Total	4,247.16

Authorization _____ Title _____

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

26644

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

RECEIVED
AUG 2 8 2019
BY:

ELITE CEMENTING & ACID SERVICE, LLC

Date	Invoice #
8/22/2019	4623

Bill To
Taos Resources Operating Co, LLC 10700 North Freeway, Ste 930 Houston, TX 77037-1142

WELL ID/AFE # 175D878
CODE 830.130
N OR R
APPROVAL

Customer ID#	1343

Job Date	8/20/2019
Lease Information	
Carnes #34-1	
County	Cowley
Foreman	DG

			Terms	Net 15
Item	Description	Qty	Rate	Amount
C102	Cement Pump-Longstring	1	1,100.00	1,100.00
C107	Pump Truck Mileage (one way)	80	4.20	336.00
C203	Pozmix Cement 60/40	150	13.40	2,010.00T
C206	Gel Bentonite	775	0.21	162.75T
C208	Pheno Seal	300	1.30	390.00T
C201	Thick Set Cement	100	20.50	2,050.00T
C207	KolSeal	500	0.47	235.00T
C208	Pheno Seal	200	1.30	260.00T
C108B	Ton Mileage-per mile (one way)	956	1.40	1,338.40
C691	5 1/2" Guide Shoe	1	175.00	175.00T
C674	5 1/2" AFU Float Collar	1	359.00	359.00T
C504	5 1/2" Centralizer	7	50.00	350.00T
C604	5 1/2" Cement Basket	3	236.00	708.00T
C421	5 1/2" Latch Down Plug	1	242.00	242.00T
C222	KCL	5	30.00	150.00T
D101	Discount on Services		-138.72	-138.72
D102	Discount on Materials		-354.59	-354.59T

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

Subtotal	$9,372.84
Sales Tax (6.5%)	$437.92
Total	$9,810.76
Payments/Credits	$0.00
Balance Due	$9,810.76

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **4623**
Foreman David Gardner
Camp Eureka

API # 15-035-24706

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
8-20-19	1343	Carnes # 34-1	34	32 S.	5E.	Cowley	KS

Customer: Taos Resources Operating Company LLC
Mailing Address: 10700 North Freeway Ste. 930
City: Houston | State: Tx | Zip Code: 77037
Safety Meeting: DG JH ZA SM

Unit #	Driver	Unit #	Driver
105	Jason		
110	Zevi		
112	Steve		

Job Type Long String | Hole Depth 3565' | Slurry Vol. Lead 45 Bbl / Tail 33 Bbl | Tubing
Casing Depth 3540' G.L. | Hole Size 7 7/8" | Slurry Wt. 13.3# / 13.8# | Drill Pipe
Casing Size & Wt. 5 1/2" 15.50# | Cement Left in Casing 10' S.J. | Water Gal/SK 7.6 / 9.0 | Other
Displacement 84 1/4 Bbl | Displacement PSI 1000 | Bump Plug to 1500 | BPM 5

Remarks: Safety Meeting. 5 1/2" casing set @ 3540'. 5 1/2" AFU Flapper Insert on top of 10' S.J. on bottom. Rig up to 5 1/2" casing. Break circulation w/ 10 Bbl fresh water. Mixed Lead cement - 150 sks 60/40 Pozmix Cement w/ 6% Gel, 2# Phenoseal/sk @ 13.3#/gal, yield 1.68 = 45 Bbl slurry. Follow w/ Tail cement - 100 sks Thick Set Cement w/ 5# Kolseal, 2# Phenoseal/sk @ 13.8#/gal, yield 1.85 = 33 Bbl slurry. Wash out Pump & lines. Shut down. Release 5 1/2" Latch Down Plug. Displace plug to seat w/ 84 1/4 Bbl fresh water. (KCL in 1st 40 Bbl of Displacement water.) Final pumping pressure of 1000 PSI. Bump plug to 1500 PSI. Wait 2 mins. Release pressure. Float & plug held good. Good circulation @ all times while cementing. Job complete. Rig down.

Centralizers on # 3, 6, 9, 12, 16, 19, 22 Baskets on # 15, 24, 34

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1100.00	1100.00
C107	80	Mileage	4.20	336.00
C203	150 sks	60/40 Pozmix Cement (Lead Cement)	13.40	2010.00
C206	775#	Gel @ 6% (Lead Cement)	.21	162.75
C208	300#	Phenoseal @ 2#/sk (Lead Cement)	1.30	390.00
C201	100 sks	Thick Set Cement (Tail Cement)	20.50	2050.00
C207	500#	Kolseal @ 5#/sk (Tail Cement)	.47	235.00
C208	200#	Phenoseal @ 2#/sk (Tail Cement)	1.30	260.00
C108B	11.95 Tons	Ton Mileage - Bulk Trucks	1.40	1338.40
C691	1	5 1/2" Guide Shoe	175.00	175.00
C674	1	5 1/2" AFU Latch Down Float Collar	359.00	359.00
C504	7	5 1/2" x 7 7/8" Centralizers	50.00	350.00
C604	3	5 1/2" Cement Baskets	236.00	708.00
C421	1	5 1/2" Latch Down Plug	242.00	242.00
C222	5 Gals	KCL (In 1st 40 Bbl Displacement water)	30.00	150.00
		Thank You	Sub Total	9,866.15
			Less 5%	516.35
		6.5%	Sales Tax	460.96
			Total	9,810.76

Authorization _____ Title _____

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Fracture Start Date/Time:	**9/19/19 9:14**
Fracture End Date/Time:	**9/19/19 18:02**
State:	**Kansas**
County:	**Cowley**
API Number:	
Operator Number:	
Well Name:	**Carnes 34-1**
Federal Well:	**No**
Tribal Well:	**No**
Longitude:	
Latitude:	
Long/Lat Projection:	**NAD83**
True Vertical Depth (TVD):	
Total Clean Fluid Volume* (gal):	**657,178**

(e.g. XX-XXX-XXXXX-0000)

Total Slurry Mass (Lbs)
5,613,581

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments	Claimant Company	Claimant First Name	Claimant Last Name	Claimant Email	Claimant Phone (nnn-nnn-nnnn)
Water	Taos Resources	Carrier/Base Fluid	Water	7732-18-5	100.00%	***5,484,150***	***97.69434%***						
100 Mesh Sand	SPS	Propping Agent		Listed Below									
15% HCL Acid	Taos Resources	Acid		Listed Below									
A-1 Corrosion Inhibitor	SPS	Corrosion Inhibitor		Listed Below									
HNE-2 Non-Emulsifier	SPS	Non-Emulifier		Listed Below									
IS-10	SPS	Iron Control		Listed Below									
FRA-2 Friction Reducer	SPS	Friction Reducer		Listed Below									
AR-104 Acid Gel	SPS	Acid Gel/Retarder		Listed Below									
			Crystalline Silica	14808-60-7	100.00%	***20,000***	***0.35628%***						
			Hydrochloric Acid	7647-01-0	37.00%	***39,059***	***0.69579%***						
			Water	7732-18-5	63.00%	***66,505***	***1.18472%***						
			Ethylene Glycol	107-21-1	20.00%	***21***	***0.00038%***						
			N,N-Dimethyl Formamide	68-12-2	20.00%	***21***	***0.00038%***						
			2-Butozyethanol	111-76-2	5.00%	***5***	***0.00009%***						
			Isopropanol	67-63-0	5.00%	***5***	***0.00009%***						
			Water	7732-18-5	50.00%	***53***	***0.00095%***						
			Nonyl Phenol Ethoxylated	127087-87-0	15.00%	***15***	***0.00026%***						
			Isopropanol	67-63-0	30.00%	***29***	***0.00052%***						
			Poly(oxy-1,2-ethanediyl),a-hydro-w-hydroxy- Ethane	25322-68-3	2.00%	***2***	***0.00003%***						
			Water	7732-18-5	55.00%	***54***	***0.00096%***						
			Citric Acid	77-92-9	50.00%	***119***	***0.00212%***						
			Water	7732-18-5	50.00%	***119***	***0.00212%***						
			Distillates (Petroleum), Hydrotreated light	64742-47-8	20.00%	***590***	***0.01051%***						
			Citric Acid	77-92-9	30.00%	***885***	***0.01576%***						
			Alcohols, C10-16, Ethoxylated	68002-97-1	1.00%	***29***	***0.00053%***						
			Alcohols, C12-14, Ethoxylated	68439-50-9	1.00%	***29***	***0.00053%***						
			Alcohols, C12-16, Ethoxylated	68551-12-2	60.00%	***1,770***	***0.03152%***						
			Water	7732-18-5	70.00%	***2,065***	***0.03678%***						
			Isopropanol	67-63-0	60.00%	***285***	***0.00507%***						
			Ethoxylated Fatty Amine	61791-26-2	30.00%	***142***	***0.00253%***						
			Acetic Acid	64-19-7	9.99%	***47***	***0.00084%***						

*Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%
All component information