Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1189236

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34320
Name: Lasso Energy LLC
Address 1: P.O. Box 465
Address 2: 1125 South Main
City: CHASE State: KS Zip: 67524 + 0465
Contact Person: Matt Burton
Phone: (620) 259-4000
CONTRACTOR: License # 33948
Name: C & J Production LLC
Wellsite Geologist: Derek W. Patterson
Purchaser: NCRA

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☑ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

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

Operator: Lasso Energy LLC
Well Name: Bair #1
Original Comp. Date: 10/04/2013 Original Total Depth: 3541

☐ Deepening ☑ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☑ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

02/06/2014 — Spud Date or Recompletion Date
— Date Reached TD
02/13/2014 — Completion Date or Recompletion Date

API No. 15 - 15-035-24513-00-02
Spot Description: C C SW SW
_ - _ - SW - SW Sec. 23 Twp. 32 S. R. 6 ☑ East ☐ West
660 Feet from ☐ North / ☑ South Line of Section
660 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: Bair Well #: 1
Field Name: Lorton
Producing Formation: Cattleman, Ft. Scott, Pawnee
Elevation: Ground: 1354 Kelly Bushing: 1362
Total Vertical Depth: 3541 Plug Back Total Depth: 3010
Amount of Surface Pipe Set and Cemented at: 339 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: 02/13/2014
☑ **Confidential Release Date:** 02/13/2016
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 02/14/2014

[redacted] 1189236

Operator Name: Lasso Energy LLC Lease Name: Bair Well #: 1

Sec. 23 Twp. 32 S. R. 6 ☑ 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

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

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	339	60/40 POZ	215	3% Calcium Chloride
Production	7.875	5.5	15.5	3539.5	Common	225	AA2

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: 2.875 Set At: 3002 Packer At: N/A

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 02/13/2014

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: ☑ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL: Cattleman, Ft. Scott, Pawnee 2866-2872, 2742-2748, 2704-2710

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Lasso Energy LLC
Well Name	Bair 1
Doc ID	1189236

Tops

Name	Top	Datum
Iatan	1805	-443
Stalnaker	1835	-473
Perry	2006	-644
Layton	2237	-875
Kansas City	2400	-1038
Base Kansas City	2558	-1196
Marmaton Group	2623	-1261
Cherokee	2767	-1405
Cattleman	2865	-1503
Mississippian Chert	3038	-1676
Mississippian Lime	3050	-1688
Kinderhook	3482	-2120
Arbuckle	3541	-2122

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
0	Set 5.5" CIBP Above Existing Perforations	Weatherford 5.5" DB-5 CIBP	3010
4	Cattleman Formation Perforations	24 shots	2866-2872
0	Cattleman Formation Acid Cleanup	200 gal 15% NE-FE Acid	2866-2872
0	Cattleman Formation Acid Retreat	1000 gal 7.5% NE-FE Acid	2866-2872
4	Ft. Scott Formation Perforations	24 shots	2742-2748
4	Pawnee Formation Perforations	24 shots	2704-2710
0	Ft. Scott Formation Acid Job	750 gal 7.5% NE-FE Acid	2742-2748
0	Pawnee Formation Acid Job	1000 gal 7.5% NE-FE Acid	2704-2710

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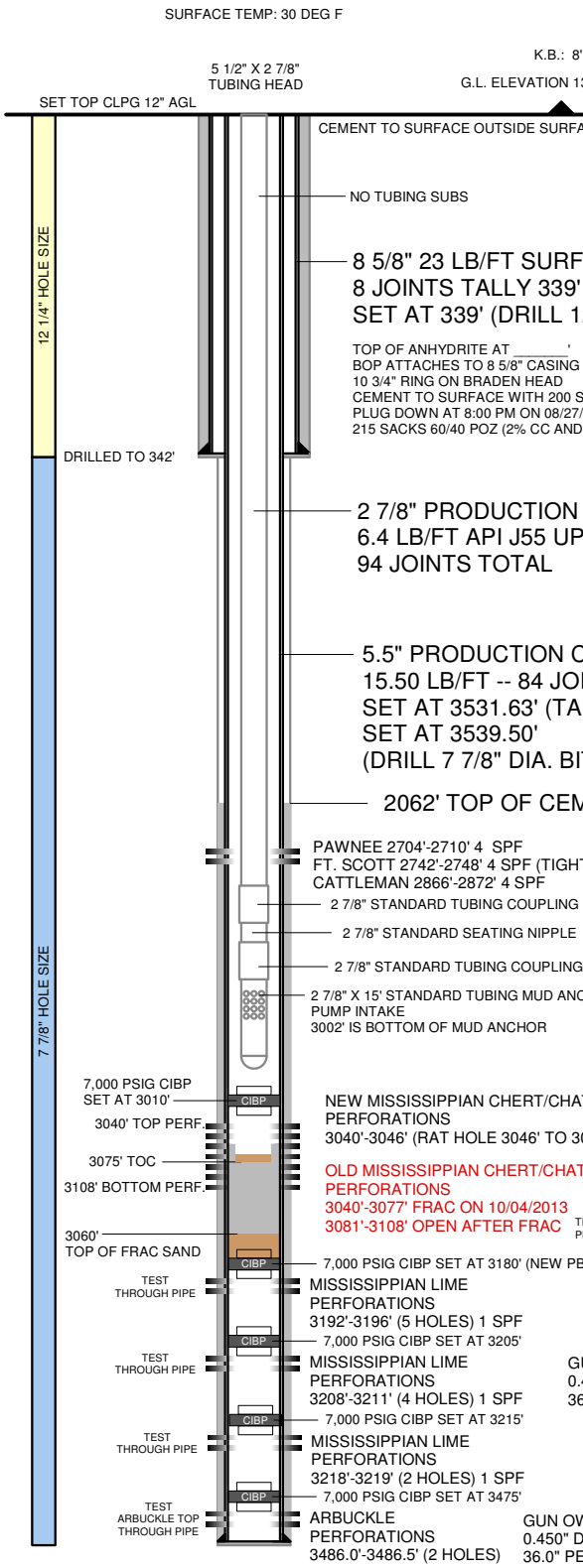
Casing

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	339	60/40 POZ	215	3% Calcium Chloride
Production	7.875	5.5	15.5	3539.5	Common	225	AA2

REVISION:	LOCATION:	WELL No: 1	REV.
	23-T32S-R06E COWLEY COUNTY, KANSAS		



NEW MISSISSIPPIAN CHERT/CHAT PERFORATIONS
3040'-3046' (RAT HOLE 3046' TO 3075' - 29')

ALL PERFS SQUEEZED OFF AND TOP 6' OPEN BACK UP

OLD MISSISSIPPIAN CHERT/CHAT & LIME PERFORATIONS
3040'-3077' FRAC ON 10/04/2013
3081'-3108' OPEN AFTER FRAC

TRACER SURVEY INDICATES PERFORATIONS FROM 3040' CHANNEL DOWN TO 3162'

GUN OWEN 4000-317
0.450" DIA.
36.0" PEN.

GUN OWEN 4039-323T
0.450" DIA.
36.0" PEN.

POSSIBLE FUTURE PERFORATIONS:
Layton from 2236' to 2241' (or maybe less)
Marmaton from 2626' - 2630';
*The limestone at 2767 is too tight

NOTES:

PUMPING UNIT: C - 160 -190 - 74 (74" SURFACE STROKE)
CONVENTIONAL PARKERSBURG UNIT
30 HP ELECTRIC MOTOR WITH 50 HP SPOCC VFD
VFD INSTALLED
RUN TIME: 24 HRS PER DAY
1.25" X 16' POLISHED ROD WITH LINER ASSEMBLY (16')
2' PONY ROD ON TOP (7/8" GRADE D) (2')
1.50" X 8' HARD LINED POLISHED ROD LINER WITH SEAL (8')
42 - 7/8" GRADE D SUCKER RODS ON TOP (1350')
62 - 3/4" GRADE D SUCKER RODS ON BOTTOM (2075')
14 - 7/8" X 25' SINKER BAR ON TOP OF PUMP
ONE 2' X 7/8" GRADE D PONY ROD ON BOTTOM (TOP OF PUMP) (2')
SPEED RANGE: 4 TO 14 SPM
MAX. SPEED: 14 SPM
CURRENT DISPLACEMENT: 390 BPD (2.00" BORE PUMP AT 12 SPM)
MAX. DISPLACEMENT: 900 BPD (2.75" BORE PUMP W/TUBING ANCHOR)

TUBULARS

PURPOSE / SIZE	CONDUCTOR 13 3/8"	SURFACE 8 5/8"	INTERMEDIATE	PRODUCTION 5 1/2"	PROD. TUBING 2 7/8"
WEIGHT	NONE	2,946 PSIG	NONE	15.5 LB/FT	6.40 LB/FT
GRADE	NONE	J-55	NONE	J-55	J-55
BURST	NONE	24.0 LB/FT	NONE	4,812 PSIG	7,265 PSIG
COLLASPE	NONE	381,395 LBF	NONE	4,043 PSIG	7,676 PSIG
YIELD	NONE	1,434 PSIG	NONE	248,274 LBF	99,661 LBF
CAPACITY	NONE	0.064 BBLS/FT	NONE	0.024 BBLS/FT	0.006 BBLS/FT
THICKNESS	NONE	0.2640"	NONE	0.2750"	0.2170"
ID	NONE	8.0970"	NONE	4.9500"	2.4410"
DRIFT ID	NONE	7.9720"	NONE	4.8250"	2.3470"
AREA	NONE	51.49 IN2	NONE	19.42 IN2	4.68 IN2
SETTING DEPTH	NONE	339'	NONE	3,532'	3,000' TO PUMP
LENGTH	NONE	339'	NONE	3,532'	NEED 3,525'
FOB	NONE	CHASE, KS	NONE	CHASE, KS	CHASE, KS
COST	NONE	$_____ / FT	NONE	$_____ / FT	$_____ / FT

PERFORATIONS SQUEEZED OFF WITH 150 SACKS (12/16/2013)
CEMENT FELL TO 3075' AND SET UP -- 3075' TO 3108' SEALED OFF

PERFORATIONS RE SQUUEZED OFF WITH 140 SACKS (12/18/2013)
ALL PERFORATIONS ARE SEALED OFF -- 3040' TO 3075' SEALED OFF

DATE	07/29/2013
APPROVED BY	B. KELSO
AFE	TBD
API No.	15035245130000
GL ELEVATION	1354'
KB	8'
KB ELEVATION	1362'
RIG	FOSSIL #2

MISSISSIPPIAN PERFORATIONS:

SINGLE STAGE FRAC (22 HOLES TOTAL)

MISSISSIPPIAN CHERT/CHAT
3040'-3046' (2 SPF)
HEIGHT (FT): 6
TOTAL HOLES: 13

AND

MISSISSIPPIAN LIME
3063'-3077' (1 SPF)
HEIGHT (FT): 14
TOTAL HOLES: 9
3063, 3064, 3066, 3067, 3068, 3069, 3073, 3076 & 3077

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AFTER FRAC (24 HOLES)
3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3105, 3106, 3107, 3108

*(2 SPF ON 3081, 3087, 3103 & 3108)

RAT HOLE WILL BE FROM 3108' TO 3180' (72')

DOWN HOLE SUCKER ROD PUMP:

2.00" INSERT PUMP
PUMP LENGTH: 16' (NICARD AND SS)
BOTTOM HOLD DOWN TYPE
TRAVELING BARREL
2' X 7/8" PONY ROD ON TOP OF PUMP
8' GAS SEPERATOR ON THE BOTTOM
PUMP INTAKE DEPTH: 3002'
PUMP IS SETTING 38' ABOVE THE PERFORATIONS
GAS IS VENTING AT WELL HEAD (TUBING/CASING)

PBTD: 3500' MD TVD (NEW PBTD 3075')
RTD: 3541' MD TVD
LTD: 3541' MD TVD
DOWNHOLE TEMP: 120 DEG F

BAIR #1

COWLEY COUNTY, KANSAS
23-T32S-R06E
SHL: 660 FSL, 660 FWL
BHL: 660 FSL, 660 FWL
LORTON FIELD

LassoEnergy LLC