



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1200858  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

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       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: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- 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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1200858

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 <i>(Attach Additional Sheets)</i>	<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			
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:	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				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Lasso Energy LLC
Well Name	Bair 1
Doc ID	1200858

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	3541	-1676
Mississippian Lime	3050	-1688
Kinderhook	3482	-2120
Arbuckle	3541	-2122

Form	ACO1 - Well Completion
Operator	Lasso Energy LLC
Well Name	Bair 1
Doc ID	1200858

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
0	7,000 PSIG CIBP (Existing)	Weatherford 5.5" DB-5 CIBP	3010
4	Cattleman Perforations (Existing)	24 holes	2866-2872
4	Ft. Scott Perforations (Existing)	24 holes	2742-2748
4	Pawnee Perforations (Existing)	24 holes	2704-2710
4	Marmaton Perforations	24 holes	2626-2632
0	Marmaton Acid	500 gal 15% NE-FE	2626-2632
4	Kansas City Perforations	8 holes	2446-2448
0	Kansas City Acid	500 gal 15% NE-FE	2446-2448
4	Layton Perforations	2 holes	2262.5-2263.0

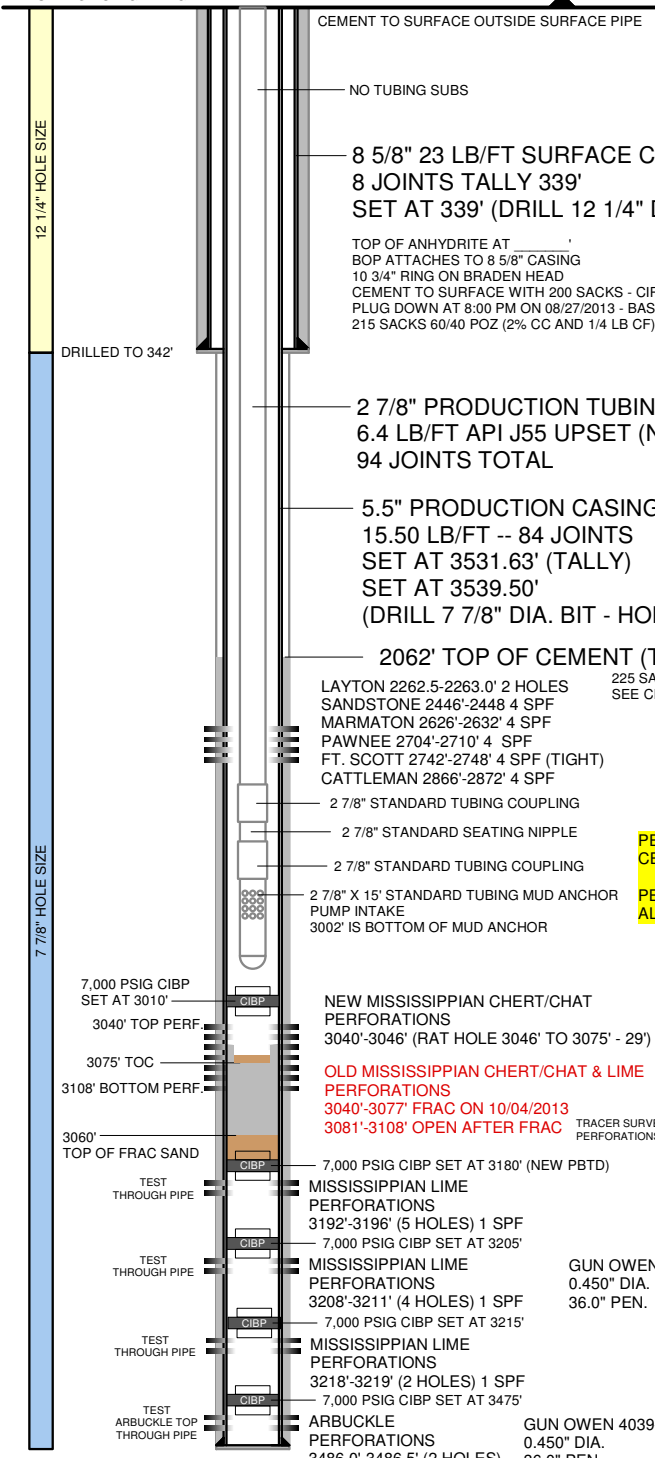


SURFACE TEMP: 30 DEG F

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

K.B.: 8'  
 G.L. ELEVATION 1354' (SHL)

5 1/2" X 2 7/8" TUBING HEAD  
 SET TOP CLPG 12" AGL



**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
COLLAPSE	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 BBL/FT	NONE	0.024 BBL/FT	0.006 BBL/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 SQUEEZED OFF WITH 140 SACKS (12/18/2013)  
 ALL PERFORATIONS ARE SEALED OFF -- 3040' TO 3075' SEALED OFF

DATE	07/29/2013
APPROVED BY	B. RELSO
AFE	TBD
API No.	1503524513000
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

**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 SEPARATOR 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

**AFTER FRAC (24 HOLES)**

3081, 3082, 3083, 3084,  
 3085, 3086, 3087, 3088, 3089,  
 3098, 3099, 3100, 3101, 3102,  
 3103, 3104, 3105, 3106, 3107,  
 3108

**BAIR #1**

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

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

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

