

COPY

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 32154Name: Sagebrush Operating LLCAddress 1888 Sherman, Suite 500City/State/Zip Denver, CO 80203

Purchaser: _____

Operator Contact Person: David PaulyPhone (316) 264-0490Intractor: Name: Duke DrillingLicense: 5929Wellsite Geologist: Ben Landes

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☐ SIGW☒ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____

3-31-99 4-15-99 4-16-99
Spud Date Date Reached TD Completion Date

API NO. 15-033-21005

County Comanche34
- SW - NE - SW Sec. 11 Twp. 33S Rge. 16 X W E3630 Feet from S/N (circle one) Line of Section1650 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Merrill Ranch Well # 11-11

Field Name _____

Producing Formation NoneElevation: Ground 1768 KB 1777Total Depth 6035 PBTD _____Amount of Surface Pipe Set and Cemented at 302 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 315'feet depth to Surface w/ 150 sx cmt.Drilling Fluid Management Plan R-A, 6-22-99 UIC
(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 _____

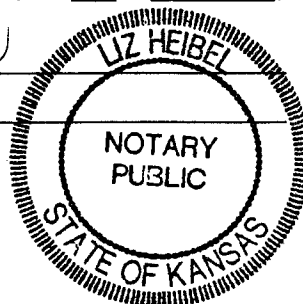
Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature X [Signature]Title Petroleum Consultant Date 05-07-99Subscribed and sworn to before me this 7th day of May, 19 99.Notary Public [Signature]Date Commission Expires February 22, 2003

K.C.C. OFFICE USE ONLY	
F	<input type="checkbox"/> Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/> Wireline Log Received
C	<input type="checkbox"/> Geologist Report Received
Distribution	
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug
	<input checked="" type="checkbox"/> NGPA
	<input type="checkbox"/> Other (Specify)
<u>LOG</u>	

Form ACO-1 (7-91)

COPY

Operator Name Sagebrush Operating LLC Lease Name Merrill Ranch Well # 11-11
 Sec. 36 Twp. 34 Rge. 16 ☐ East ☒ West
 County Comanche

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☒ Yes ☐ No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☐ Yes ☒ No
 Electric Log Run ☒ Yes ☐ No
 (Submit Copy.)

st All E.Logs Run:

CDN, DI, VDL, SONIC MICRO

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
LANSING	4420'	-2643
MISSISSIPPI	5141'	-3364
VIOLA	5617'	-3840
SIMPSON	5779'	-4002
ARBUCKLE	5928'	-4151

DST#1 4965'- 5034'; 45-60-45-60; IFP= 33-35; FFP= 37-50;
 ISIP= 1586; FSIP= 1589; REC 1500' GIP; 75' GCM
 DST#2 5046'- 5141'; 45-60-45-90; IFP= 150-259; FFP= 296-417;
 ISIP= 1669; FSIP= 1664; REC 375' WM; 495' MW
 DST#3 5152'- 5200'; 30-45-45-60; IFP= 337-1257; FFP=1534-1900;
 ISIP= 1930; FSIP=1925; REC 910' GCM; 780' G&MCW; 2300' GCM

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	17 1/2"	13 3/8"	45.6	302	CLASS A	150	2% gel, 3% cc
Intermediate							
Production							

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				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	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. <u>N-A</u>	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
 (If vented, submit ACO-18.) ☐ Other (Specify) _____