

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 StreetSuite 500City/State/Zip Denver, Colorado 80203Purchaser: Not determinedOperator Contact Person: Bob Johnson/John RosePhone (303) 866-0011Contractor Name: Duke DrillingLicense: 5929Wellsite Geologist: Ben Landes

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SMD ☐ 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/SMD☐ Plug Back ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SMD or Inj?) ☐ Docket No. _____2-25-99 3-13-99 5-7-99

Spud Date Date Reached TD Completion Date

API NO. 15- 033-210020000County Comanche-NW -SW -NW Sec. 36 Twp. 33S Rge. 16 XX W1650' Feet from S/N (circle one) Line of Section480' 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 # 36-5Field Name WildcatProducing Formation MississippiElevation: Ground 1735' KB 1744'Total Depth 5597' PBTD 5562'Amount of Surface Pipe Set and Cemented at 315' FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cm.

Drilling Fluid Management Plan Att. 1 6-16-99 U.C.
(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 Robert D. JohnsonTitle Executive Vice-President Date 6-10-99Subscribed and sworn to before me this 10th day of June, 19 99.Notary Public KATHRYN REYNOLDSDate Commission Expires 5-15-2001

KATHRYN REYNOLDS
NOTARY PUBLIC
STATE OF COLORADO

My Commission Expires 5-15-2001

K.C.C. OFFICE USE ONLY		
F	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"/> SMD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input checked="" type="checkbox"/> Other (Specify)

Form ACO-1 (7-91)

CORRECTED

CORRECTED

SIDE TWO

Operator Name Sagebrush Operating LLCLease Name Merrill RanchWell # 36-5☐ EastCounty ComancheSec. 36 Twp. 33S Rge. 16☒ West

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.)
List All E.Logs Run: CDN, DI, VDL, SONIC MICRO
☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Lansing	4246'	-2502
Mississippi	4874'	-3130
Viola	5183'	-3439
Simpson	5338'	-3594
Arbuckle	5447'	-3703

 DST#4 5320'-5357'; 30-60-60-90; IFP=52-585; FFP=594-1380; ISIP=2013' FSIP=2013; REC 2479' ISIP=1776; FSIP=1763; 3840' SO₂GCM 19%OIL
 SALT WATER

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	315'	Class A	150	2% gel, 3%cc
Intermediate	12 1/4"	8 5/8"	26.0	1122'	Class A	350	2% gel, 3%cc
Production	7 7/8"	5 1/2"	15.5	5595'	Class A	280	5%CalSeal, 10%Salt

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
4 spf	4871-4884'	750 Gal, 15% MCA	
4 spf	4898-4911'	750 Gal, 15% MCA	
4 spf	4926-4931'	600 Gal + 2250 Gal 20%	
	CIBP @ 5162'		

TUBING RECORD		Size 2-3/8"	Set At 4992'	Packer At None	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SMD or Inj. 05-01-99			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil 30	Bbls.	Gas 80	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. ☐ Commingled
☐ Other (Specify) _____

COPY

STATION

DAY 1

CONCRETE PUMP DIVISION
Wichita Kansas