

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

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Designate Type of Completion
_____ New Well           _____ Re-Entry           _____ Workover

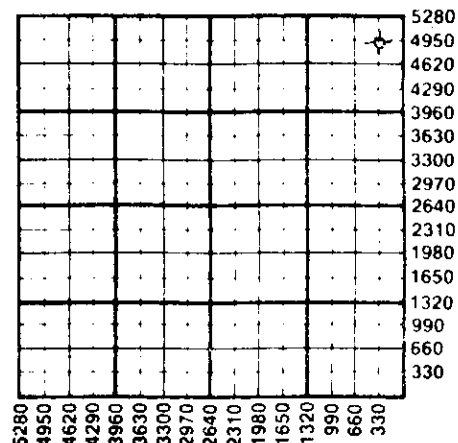
_____ Oil                 _____ SWD                 _____ Temp Abd
_____ Gas                 _____ Inj                 _____ Delayed Comp.
_____ Dry                 _____ Other (Core, Water Supply etc.)

If OWNED: old well info as follows:
    Operator Graham, Messman, ... & Rinehart...
    Well Name #1 Gardiner
    Comp. Date 9-5-52.....Old Total Depth 5535

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Amount of Surface Pipe Set and Cemented at 602' feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name
Invoice #

Section Plat



Disposition of Produced Water:	Disposal
Docket #	Repressuring

X Other (explain).....City of Ashland, KS.....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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.

Date Commission Expires.....2-10-90.....APR 14 1990

Form ACO-1 (5-86)

Sec. 4 Twp. 33 Range 34C

SIDE TWO

Operator Name Frontier Oil Co. Lease Name Arnold Well # #1-ASec. 14 Twp. 33 Rge. 24 ☐ East ☒ West County Clark

WELL LOG

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. No Log run

Drill Stem Tests Taken ☒ Yes ☐ No
Samples Sent to Geological Survey ☒ Yes ☐ No
Cores Taken ☐ Yes ☒ No

Formation Description
☐ Log ☒ Sample

DST #1 (6721-92) 30-30-30-30 1st op - wk blo TO
2nd op - no blo. Rec. 150' DM IF 67-72 FF 83-98
ISIP 218 FSIP 229

DST #2 (6814-6900) 30-30-30-45. 1st op - wk blo
27" - no blo. Rec. 180' M IF 125-130
FF 145-156 ISIP 2325 FSIP 2107

Name	Top	Bottom
St. Louis	5701	-3654
Spergen	5936	-3889
Cowley	6274	-4227
Viola	6738	-4691
Simpson Shale	6937	-4890
Arbuckle	7000	-4953
RTD	7020	-4973

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
N/A							
.....							
.....							
.....							

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
.....			
.....			
.....			
.....			

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No
N/A					

Date of First Production	Producing Method
	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
N/A	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☐ Perforation
☐ Sold ☐ Other (Specify)
☐ Used on Lease ☐ Dually Completed
☐ Commingled