

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 7124
 Name H & H Production, Inc.
 Address P.O. Box 348
 City/State/Zip Russell, Kansas 67665

Purchaser... National Cooperative Refining...
 P.O. Box 1404
 McPherson, Kansas 67460
 Operator Contact Person Rudy A. Herman
 Phone 913-483-4898

Contractor: License # 5929
 Name Duke Drilling Co., Inc.

Wellsite Geologist... Thomas R. Nelson
 Phone (316) 943-4676

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If ONWO: old well info as follows:

Operator
 Well Name
 Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

12-11-84 12-17-84 2-26-85
 Spud Date Date Reached TD Completion Date
 3450
 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 452 feet
 Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
 If yes, show depth set... feet
 If alternate 2 completion, cement circulated
 from... feet depth to 452... w/ 200 SX cmt

API NO. 15-167-22,447

County... Russell

NE SE NE Sec. 33 Twp. 13 Rge. 15 ☐ East
☒ West

3630 Ft North from Southeast Corner of Section
 330 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

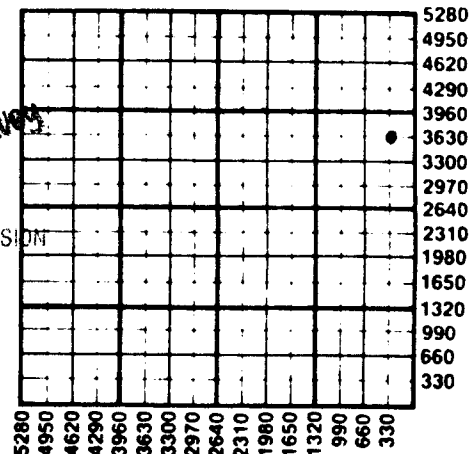
Lease Name... Sarah Foster Estate Trust # A-1.

Field Name

Producing Formation... Arbuckle

Elevation: Ground... 1909 KB... 1914

Section Plat



APR 15 1985
 State Geological Survey
 WICHITA, KANSAS
 APR 12 1985
 CONSERVATION DIVISION
 WICHITA, KANSAS

WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
 Docket # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit #

☐ Groundwater... Ft North from Southeast Corner
 (Well) ... Ft West from Southeast Corner of
 Sec Twp Rge ☐ East ☐ West

☒ Surface Water 4980 Ft North from Southeast Corner
 (Stream, pond etc) 3960 Ft West from Southeast Corner
 Sec 4 Twp 13 Rge 16 ☐ East ☒ West

☐ Other (explain) (purchased from city, R.W.D. #)

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	4.76 Bbls	MCF	0 Bbls	CFPB	40

METHOD OF COMPLETION

Production Interval

SIDE TWO

Sarah Foster Estate

Operator Name H & H Production, Inc. Lease Name Trust "A" Well # 1Sec. 33 Twp. 13 Rge. 15 ☐ East ☒ West County Russell

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.

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

Formation Description
☐ Log ☒ Sample

	Name	Top	Bottom
0 - 961' Surface soil, sand, shale, red bed			
961 - 998' Anhydrite	Anhydrite	961'	
998 - 2765' Red bed, lime, shale	Howard	2765'	
2765 - 2790' Lime	Severy	2790'	
2790 - 2800' Shale & sand	Topeka	2800'	
2800 - 3027' Lime	Heebner	3027'	
3027 - 3031' Shale	Toronto	3053'	
3031 - 3053' Lime & Shale	Douglas	3064'	
3053 - 3064' Lime	Kansas City	3076'	
3064 - 3076' Shale	Base K.C	3318'	
3076 - 3318' Lime	Arbuckle	3328'	
3318 - 3328' Shale & Lime	Reagen	3370'	
3328 - 3370' Dolomite	Quartz	3406'	
3370 - 3406' Sand	Granite Wash	3422'	
3406 - 3450' Quarzite	Granite	3436'	
- 3450' RTD	RTD	3450'	

DST#1 - 3317-3338- 35/60/60/60 IFP Very weak decreasing - no blow - recovered 10' of SLI cut mud. FFP-flushed tool still no blow - recovered 10' drilling mud with few spots of oil. IHP-1786 PSI, FHP-1730 PSI - The lithology was composed of a tan medium crystalline soft dolomite and a white medium to coarse crystalline dolomite with fair odor, fair show of oil and gas and good porosity.

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 1/2"	8-5/8"	28#	452'	60/40 pozz	200	2% gel 3% co.
Production	7-7/8"	5 1/2"	15 1/2 & 14	3449'	common	100	

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	3372-74 3328-32	250 Gal 15%	3372-74
		250 Gal 15%	3350
		1500 Gal 15%	3364

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☒ No
	2 3/8	3448	3364		
Date of First Production	Producing Method	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....			