

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 8625  
name VAC. Petroleum Co.  
address 333 N. Rock Rd. Suite 105  
City/State/Zip Wichita, Ks. 67206

Operator Contact Person L.C. Harmon  
Phone (316) 685-0111

Contractor: license # 5829  
name Aldebaran Drilling Co.

Wellsite Geologist Thomas M. Williams  
Phone (316) 685-0111  
PURCHASER KOCH Oil Company

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

if OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
6-2-85 6-12-85 9-5-85  
Spud Date Date Reached TD Completion Date  
4963' N/A  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 450' feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If Yes, Show Depth Set feet  
Alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt

API NO. 15-151-21-651

County Pratt

C-NE-NE-SW Sec 17 Twp 29 Rge 15

2310 Ft North from Southeast Corner of Section  
2970 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

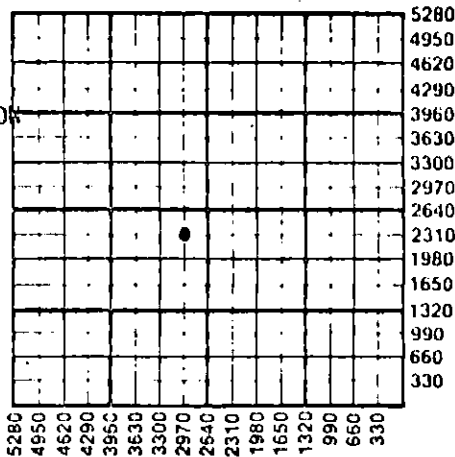
Lease Name Howell Well# 1-17

Field Name Unknown Northcroft

Producing Formation Viola

Elevation: Ground 2035 2046 KB

Section Plat



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WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #  
 Groundwater 2290 Ft North From Southeast Corner and  
(Well) 2980 Ft West From Southeast Corner of  
Sec 17 Twp 29 Rge 15  East  West  
 Surface Water Ft North From Southeast Corner and  
(Stream, Pond etc.) Ft West From Southeast Corner  
Sec Twp Rge  East  West  
 Other (explain)  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 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.

Signature Thomas M. Williams  
Title Petroleum Geologist Date 10-7-85

Subscribed and sworn to before me this 7th day of October 1985

Notary Public Brenda Harmon Brown  
Notary Commission Expires 5-6-89

Notary Public-State of Kansas  
BRENDA HARMON BROWN

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Sec. 17 Twp. 29 Rge. 15

SIDE TWO

Operator Name Vac. Petroleum Co. Lease Name Howell Well# 1-17 SEC. 17 TWP. 29 RGE. 15  East  West

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

DST #1: 30-45-60-45 Interval 4166-4190, ISIP=1495, FSIP=1450, IFP=135/91, FFP=123/191, HSP=2105/2015. Recovered 310' muddy water.

DST #2: 30-45-60-45 Interval 4437-4508, ISIP=1361, FSIP=1227, IFP=135/123, FFP=180/180, HSP=2239/2127. Recovered 10' sl. oil cut mud + 230' muddy water.

DST #3: 30-45-60-45 Interval 4738-4823, ISIP=1495, FSIP=1428, IFP=135/122, FFP=213/191, HSP=2363/2284. Recovered 120' oil cut gassy mud + 250' mud cut gassy oil.

DST #4: 30-45-60-45 Interval 4848-4877, ISIP=1694, FSIP=1650, IFP=146/199, FFP=371/439, HSP=2318. Recovered 1000' muddy salt water.

Name	Top	Bottom
Heebner Sh.	3956(-1910)	
Toronto Lm.	3970(-1924)	
Douglas Sh.	3996(-1950)	
Brown Lime	4117(-2071)	
Lansing-K.C.	4130(-2084)	
Base/K.C.	4509(-2463)	
Marmaton	4524(-2478)	
Cherokee Sh.	4620(-2574)	
Mississippi	4625(-2579)	
Kind. Chert.	4693(-2647)	
Kind. Shale	4712(-2666)	
Viola Cht. #1	4758(-2712)	
Viola Cht. #2	4768(-2722)	
Viola Dolo.	4812(-2766)	
Simpson Sh.	4860(-2814)	
Simpson Sd.	4886(-2840)	
Arbuckle	NR	
RTD	4963(-2917)	

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 1/4	8-5/8	23 new	435'	Common	350sx	2%gel, 3%cc
Production	7.7/8	5-1/2	14 new	4962'	Scavenger Light	50 sx 200 sx	50/50 Poz, 10% salt, 3/4 CFR2, 2% gel

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
	4803-10	350gal 15% acid, squeezed w/200sx	
	4801-05	250gal 15% acid, squeezed w/150sx	10% salt
	4760-65	250gal 15% acid, squeezed w/150sx	10% salt
	4695-4703	750gal 15%MA, squeezed w/100sx	10% salt
	Please see attached sheet.		

TUBING RECORD size 27/8" set at 4598 packer at Liner Run  Yes  No

Date of First Production Producing method  flowing  pumping  gas lift  Other (explain)

Oil	Gas	Water	Gas-Oil Ratio	Gravity
40		100		
Bbls	MCF	Bbls	CFPB	

Disposition of gas:  vented  sold  used on lease  
 METHOD OF COMPLETION:  open hole  perforation  other (specify)  
 PRODUCTION INTERVAL: 4770-80, 4812-22  
 Dually Completed.

PERFORATION RECORD (Continued)

Shots per Foot	Perforation Footage	Treatment
4	4760-65	300 gal. 15%, 300gal. 15%, 300 gal. 15%, 1000 gal. 15%, Frac'd w/9100lbs Sand
2	4848-58	Squeezed w/150sx
4	4812-22	250 gal. MA, 1000 gal. N.E. Acid, 4000 gal. D.S.F.E.
4	4770-80	No Treatment

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