

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., #105  
City/State/Zip Wichita, Kansas 67206

Purchaser Koch Oil Co. 11013

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

Contractor: License # 5829  
Name Aldebaran Drilling Co., Inc.

Wellsite Geologist Thomas M. Williams  
Phone (316) 685-0111

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

If OWWO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
7/24/85 8/1/85 8/20/85  
Spud Date Date Reached TD Completion Date  
4969 N/A  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 434 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated  
from.....feet depth to.....w/.....SX cmt

API NO. 15-151-21-660-00-00  
County Pratt  
SE NE NE Sec. 18 Twp. 29 Rge. 15  East  West

4290 Ft North from Southeast Corner of Section  
330 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

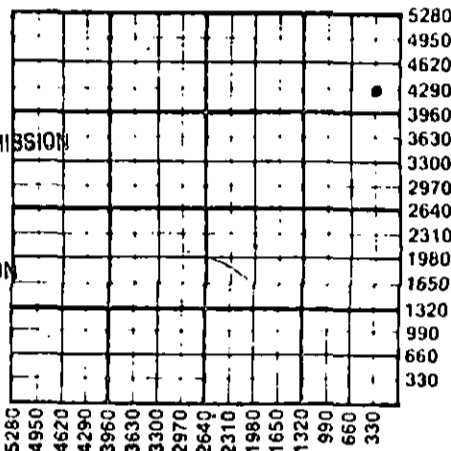
Lease Name Howell Well # 2-18

Field Name Northcroft

Producing Formation Viola

Elevation: Ground 2048 KB 2058

Section Plat



RECEIVED  
11-8-85  
NOV 8 1985  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater 4260 Ft North from Southeast Corner  
330 Ft West from Southeast Corner of  
(Well) Sec 18 Twp 29 Rge 15  East  West

Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Sec Twp Rge  East  West

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

INSTRUCTIONS: This form shall be completed in duplicate and filled with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 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 9/25/85

Subscribed and sworn to before me this 25 day of September 1985

Notary Public Brenda Harmon Brown

Date Commission Expires 5-6-89

Notary Public: State of Kansas

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. 18 Twp. 29 Rge. 15

SIDE TWO

Operator Name VAC Petroleum Co. Lease Name Howell Well # 2-18

Sec. 18 Twp. 29 Rge. 15  East  West County Pratt

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 4803'-4906'  
 30-45-60-45  
 ISIP-993#  
 IFP-213#-254#  
 FSIP-1024#  
 FFP-315#-355#  
 HP-2359#  
 Recovered: 270' oil and gas cut mud  
 180' oil cut muddy water  
 300' salt water.



Name	Top	Bottom
Heebner	3967	(-1909)
Lansing	4142	(-2084)
Base/K.C.	4316	(-2458)
Mississippi	4592	(-2594)
Kinderhook Cht.	4700	(-2642)
Viola	4771	(-2713)
Simpson Sh.	4838	(-2780)
Arbuckle	4938	(-2880)

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	20 lbs.	446'	Common	350sx	3% gel, 2% cc
Production	7 7/8	5 1/2	14 lbs.	4967'	Common	200sx	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	4811-4819			500 gal. M.A., 1000 gal. 15% FE			
4	4822-4827			2500 gal. 15% F.E. Acid			
TUBING RECORD							
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
23/8"	4824	4792					
Date of First Production		Producing Method					
9/16/85		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
40				120		36°	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 4811-4819  
 Used on Lease  Dually Completed ..... 4822-4827  
 Commingled

 		<h1 style="margin: 0;">BHC ACOUSTIC FRACLOG<sup>®</sup></h1> <h2 style="margin: 0;">GAMMA RAY</h2>	
FILE NO.	COMPANY <u>VAC PETROLEUM COMPANY</u>		
TIGHT HOLE	WELL <u>HOWELL NO. 2-18</u>		
API NO.	FIELD <u>SPRINGVALE SW</u>		
<u>1515121660</u>	COUNTY <u>PRATT</u>		STATE <u>KANSAS</u>
FINAL PRINT	LOCATION:		OTHER SERVICES
	C-SE-NE-NE 330' FEL - 990' FNL		DIFL/GR COL/CN/GR PROLOG
	SEC <u>18</u> TWP <u>29S</u> RGE <u>15W</u>		
PERMANENT DATUM	GROUND LEVEL	ELEV.	2048
LOGGING MEASURED FROM	KB	10	FT. ABOVE P.D.
DRILLING MEASURED FROM	KELLY BUSHING		
	KB	2058	ELEVATIONS
	DF	2057	
	GL	2048	
DATE	JULY 31, 1985		
RUN	1		
SERVICE ORDER	78267		
DEPTH-DRILLER	5000		
DEPTH-LOGGER	4967		
BOTTOM LOGGED INTERVAL	4956		
TOP LOGGED INTERVAL	4300		
CASING - DRILLER	8 5/8"	@	436
CASING - LOGGER	NOT LOGGED		
BIT SIZE	7 7/8"		
TYPE FLUID IN HOLE	DRISPRC		
DENSITY / VISCOSITY	9.1		56
PH / FLUID LOSS	11.0		10.0
SOURCE OF SAMPLE	FLOWLINE		
RM AT MERS. TEMP.	0.730	@	90 F
RMF AT MERS. TEMP.	0.548	@	90 F
RMC AT MERS. TEMP.	0.949	@	90 F
SOURCE OF RMF / RMC	M		M
RM AT BHT	0.530	@	124 F
TIME SINCE CIRCULATION	9 HOURS		
MAX. REC. TEMP. DEG. F	126		
EQUIP. NO. / LOC.	HL 6410		LIBERAL
RECORDED BY	KEVIN STEVENS		
WITNESSED BY	TOM WILLIAMS		

TIGHT HOLE

TIGHT HOLE

STATE CORPORATION COMMISSION

JAN 5 1987

CONSERVATION DIVISION