

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 # 5601
Name Associated Petroleum Consultants, Inc.
Address Suite 600 - One Main Place
City/State/Zip Wichita, KS 67202-1399

Purchaser: NONE

Operator Contact Person Phyllis Buchanan
Phone 265-9385

Contractor: License # 5426
Name Dunne-Gardner

Wellsite Geologist Phil Hargis
Phone 265-9386

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
8-25-84 Spud Date 9-2-84 Date Reached TD
4720' Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 342 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
Alternate 1 used

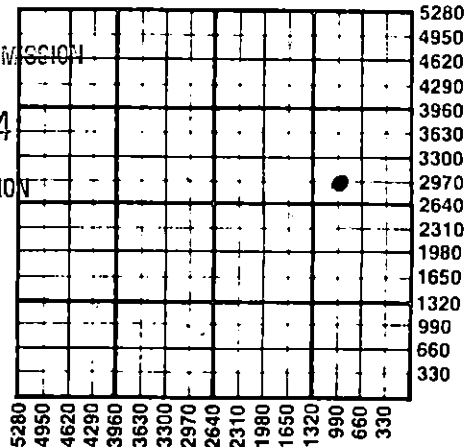
API NO. 15-151-21-472-80-60
County Pratt
SW SE NE Sec 5 Twp 29S Rge 13 East West

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

Lease Name Hertlein Well # 1
Field Name Wildcat
Producing Formation NONE

Elevation: Ground 1948 KB 1957
Section Plat

RECEIVED
NOV 27 1984
11-27-84
STATE CORPORATION COMMISSION
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 # T84-643
 Groundwater 2970 Ft North from Southeast Corner (Well) 990 Ft West from Southeast Corner Sec 5 Twp 29 Rge 13 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. #)

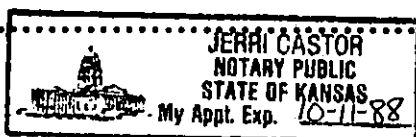
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held 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 Phyllis Buchanan
Title Phyllis Buchanan, Office Manager Date 11-27-84

Subscribed and sworn to before me this 26th day of November 1984
Notary Public Jerri Castor

Date Commission Expires



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. 5, Twp. 29, Rge. 13W

SIDE TWO

Operator Name Associated Petroleum Consultants, Inc. Lease Name Hertlein Well # 1

Sec. 5 Twp. 26S Rge. 13 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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>0</td><td>1292</td><td>Sand and clay</td></tr> <tr><td>1292</td><td>1902</td><td>Sand, clay and shale</td></tr> <tr><td>1902</td><td>2105</td><td>Lime and shale</td></tr> <tr><td>2105</td><td>2618</td><td>Sand and shale</td></tr> <tr><td>2618</td><td>2828</td><td>Sand, shale and lime</td></tr> <tr><td>2828</td><td>4720</td><td>Lime and shale</td></tr> <tr><td>4720</td><td></td><td>Rotary total depth</td></tr> </tbody> </table> <p>DST #1 4444 - 4496 op30 si60 op60 si60 Strong blow throughout. Recovered: 30' Mud.</p> <table style="width:100%;"> <tr> <td>IHH 2344 psi</td> <td>FHH 2240 psi</td> </tr> <tr> <td>IFP 52-52 psi</td> <td>FFP 52-31 psi</td> </tr> <tr> <td>ICIP 104 psi</td> <td>FCIP 72 psi</td> </tr> <tr> <td>BHT 125°</td> <td></td> </tr> </table>	FROM	TO	DESCRIPTION	0	1292	Sand and clay	1292	1902	Sand, clay and shale	1902	2105	Lime and shale	2105	2618	Sand and shale	2618	2828	Sand, shale and lime	2828	4720	Lime and shale	4720		Rotary total depth	IHH 2344 psi	FHH 2240 psi	IFP 52-52 psi	FFP 52-31 psi	ICIP 104 psi	FCIP 72 psi	BHT 125°		<p style="text-align: center;">Formation Description</p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Heebner</td><td>3765</td><td>(-1808)</td></tr> <tr><td>Douglas Shale</td><td>3802</td><td>(-1845)</td></tr> <tr><td>Douglas Sandstone #1</td><td>3931</td><td>(-1974)</td></tr> <tr><td>Iatan</td><td>3944</td><td>(-1987)</td></tr> <tr><td>Lansing Kansas City</td><td>3966</td><td>(-2009)</td></tr> <tr><td>Base Kansas City</td><td>4336</td><td>(-2379)</td></tr> <tr><td>Mississippian</td><td>4428</td><td>(-2471)</td></tr> <tr><td>Viola</td><td>4487</td><td>(-2530)</td></tr> <tr><td>Simpson Shale</td><td>4548</td><td>(-2591)</td></tr> <tr><td>Simpson Dolomite</td><td>4561</td><td>(-2604)</td></tr> <tr><td>Simpson Sandstone</td><td>4569</td><td>(-2612)</td></tr> <tr><td>Arbuckle</td><td>4670</td><td>(-2713)</td></tr> <tr><td>RTD</td><td>4720</td><td>(-2763)</td></tr> <tr><td>LTD</td><td>4728</td><td>(-2771)</td></tr> </tbody> </table>	Name	Top	Bottom	Heebner	3765	(-1808)	Douglas Shale	3802	(-1845)	Douglas Sandstone #1	3931	(-1974)	Iatan	3944	(-1987)	Lansing Kansas City	3966	(-2009)	Base Kansas City	4336	(-2379)	Mississippian	4428	(-2471)	Viola	4487	(-2530)	Simpson Shale	4548	(-2591)	Simpson Dolomite	4561	(-2604)	Simpson Sandstone	4569	(-2612)	Arbuckle	4670	(-2713)	RTD	4720	(-2763)	LTD	4728	(-2771)
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Dry & Abandoned

<p>CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used</p> <p>Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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"	23#	342'	Class A	200	3% CaCl ₂ 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	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size 2 3/8		Set At		Packer at	
Producing Method <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	
		Bbls		MCF		Bbls	
						Gas-Oil Ratio	
						CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease

Open Hole Perforation Other (Specify)

Dually Completed Comingled