

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 # 9230
Name Discovery Operations, Inc.
Address Box 490
City/State/Zip Great Bend, Kansas 67530

Purchaser Koch

Operator Contact Person David Williams
Phone 316/793-5685

Contractor: License # 5122
Name Woodman-Lannitti

Wellsite Geologist David Williams
Phone 316/793-5685

Designate Type of Completion

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

If OWN: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable

10/8/85 10/14/85 11/15/85
Spud Date Date Reached TD Completion Date
3975' 3954'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 683 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 Halliburton
Invoice #

API NO. 15-145-21227
County Pawnee
50'E NE NW NW Sec. 27 Twp. 21 Rge. 15 East West

4950! Ft North from Southeast Corner of Section
4240! Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

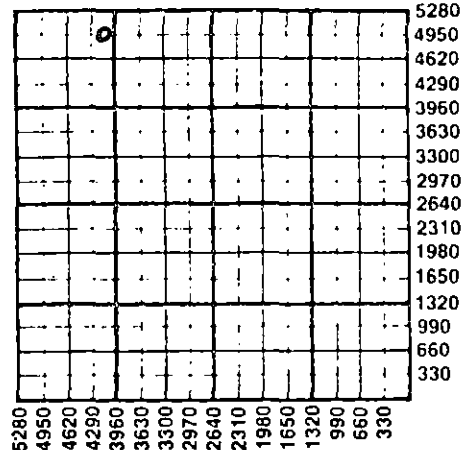
Lease Name Bauer Well # 2-27

Field Name Hurray Northwest

Producing Formation Conglomerate (Perm)

Elevation: Ground 1958! KB 1963!

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: X 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 #

X Groundwater 5100! Ft North from Southeast Corner
(Well) 4290! Ft West from Southeast Corner of
27 Sec 21 Twp 15 Rge East X 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. #)

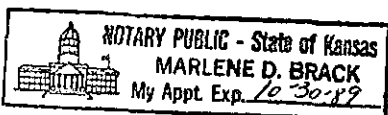
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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.

Signature [Signature]
Title President Date 10/01/86

Subscribed and sworn to before me this 1st day of October 1986.
Notary Public Marlene D. Brack
Date Commission Expires 10-30-89

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)



SIDE TWO

Operator NameDiscovery Operations, Inc..... Lease Name.....Bauer.....Well #...2-27

Sec.....27..... Twp.....21..... Rge.....15..... East West County.....Pawnee.....

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

Core 3811-3840: Full recovery

Formation Description
 Log Sample

Name	Top	Bottom
Anhydrite	920'	947'
Heebner	3359'	
Iatan	3468'	
Lansing	3476'	
BKC	3720'	
Pawnee	3784'	
Cgl.	3811'	
Reworked Viola	3900'	
Simpson Sit.	3936'	
ARB.	3948'	

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"	23#	683'	50/50 Poz	355	50/50 Poz
Production	7 7/8"	5 1/2"	15#	3954'	Poz	125	60/40 Poz 18% NaC
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2 sh/ft	3811 - 3828			500 gal. 15% Hcl		15% Hcl	
2 sh/ft	3831 - 3833			250 gal. 15% Hcl		1250 gal. 15% Hcl	
				Frac. 20,000# N ₂ Foam frac			
TUBING RECORD 2" Size 3905' Set At				Packer at			
				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
11/15/85		<input checked="" type="checkbox"/> Flowing <input checked="" 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	
12 Bbls		50 MCF		1 Bbls	CFPB	39.5	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3811 - 3833 OA
 Used on Lease Dually Completed
 Commingled