

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 # 4748  
Name A & A Discovery, Inc.  
Address P.O. Box 156  
Hill City  
City/State/Zip KS 67642

Purchaser n/a

Operator Contact Person Darrel Anderson  
Phone (913) 674-2768

Contractor: License # 5929  
Name Duke Drilling Co.

Wellsite Geologist Scott Alberg  
Phone (316) 672-5729

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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12-16-89 12-30-89 12-30-89  
Spud Date Date Reached TD Completion Date  
4475'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 257 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  
AISI DYO

API NO. 15-155-21-127-0000

County RENO

SE NE NW Sec. 26 Twp. 26 Rge. 10  East  West

4194 Ft North from Southeast Corner of Section  
3015 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

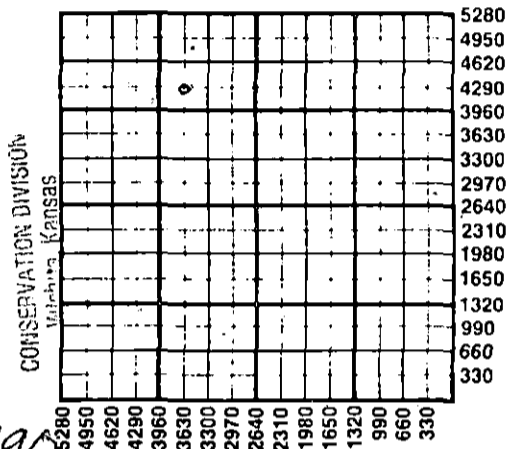
Lease Name CROTTS Well # A-1

Field Name Wildcat

Producing Formation none

Elevation: Ground KB 1706'

Section Plat



RECEIVED STATE CORPORATION COMMISSION

MAR 0 1 1990

3-1-1990

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... Ft North from Southeast Corner ?  
(Well) ... Ft West from Southeast Corner of  
Sec Twp Rge  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 Darrel Anderson  
Darrel Anderson  
Title President Date 2-26-90

Subscribed and sworn to before me this 26th day of February 1990.  
Notary Public Rita A. Anderson

Date Commission Expires 01-21-92

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

RITA A. ANDERSON  
Graham County, Kansas  
My Appt. Exp. 1-21-92

Handwritten initials

SIDE TWO

Operator Name A. & A. Discovery, Inc. Lease Name Crotts Well # A-1

Sec. 26 Twp. 26 Rge. 10  East  West County RENO

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 - 2358-2409'. 30-60-30-60.  
 IHM 1219, FIFP 76, FFFP 201,  
 ISIP 865, SIFP 221, SFFP 278,  
 FSIP 865, FHM 1181. Temp 90°.  
 Recovery- 480' S.W..

DST # 2 - 3795-3860'. 30-60-30-60.  
 IHM 1805, FIFP 52, FFFP 52,  
 ISIP 549, SIFP 63, SFFP 63,  
 FSIP 307, FHM 1794. Temp 114°.  
 Recovery - 60' mud.

DST # 3 - 3986-4010'. 30-60-30-90.  
 IHM 1959, FIFP 38, FFFP 38,  
 ISIP 1314, SIFP 57, SFFP 57,  
 FSIP 1295, FHM 1949. Temp 119°.  
 Recovery - 65' M.S.W. -few oil spots.

Name	Top	Bottom
Chase Sand, Sh	1581	- Log tops
Waubunsee	2414	
Topeka	2896	
Heebner	3315	
Br. Lime	3473	
Lansing	3504	sample tops
B/KC	3860	
Mississippi	3978	
Viola	4238	
Simpson	4340	
Arbuckle	4429	
R.T.D	4475	Driller's Log

Bottom of log interval 3535'.

d n a

CASING RECORD <input type="checkbox"/> New <input checked="" 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	14-3/4"	10-3/4"	28	257	60/40	175	2% gel... 3 CC
					PPS		
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
	N/A			N/A			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Size n/a	Set At	Packer at	n/a			
Date of First Production	Producing Method						
d n a	<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	
	none	none	none				
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Comingled

DRILLER'S WELL LOG

DATE COMMENCED: December 16, 1989  
DATE COMPLETED: December 30, 1989

A & A Discovery, Inc.  
CROTTS #A-1  
Sec. 26, T26S, R10W  
Approx. SE NE NW  
Reno County, Ks.

0 - 265' Surface Soil, Sand, Shale  
265 - 842' Red Bed, Shale  
842 - 1455' Shale & Clay  
1455 - 1811' Lime & Shale  
1811 - 2192' Shale & Lime Streaks  
2192 - 3455' Lime & Shale  
3455 - 3860' Lime  
3860 - 4032' Chert & Lime  
4032 - 4379' Lime & Shale  
4379 - 4475' Dolomite  
4475' RTD

ELEVATION: 1706' K.B.

Surface Pipe: Set used  
10-3/4", 28# pipe @257'  
w/175 sacks 60/40 pozmix  
2% gel 3% cc.

A F F I D A V I T

STATE OF KANSAS  
COUNTY OF BARTON) ss

John Armbruster of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

*John G. Armbruster*

Subscribed and sworn to before me this 4<sup>th</sup> day of January 1990.

*[Faint, illegible text]*

*Walter M. Hagan*  
Notary Public