

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-.....051-24-565-0000.....
County.....Ellis.....
NW... NE... SW... Sec. 10. Twp. 13. Rge. 17W. ~~East~~ West

Operator: License # ..7064.....
Name ..Cattlemans Oil Operations.....
Address ..HC 39 Box 74.....
.....Hays, Kansas 67601.....
City/State/Zip

2310..... Ft North from Southeast Corner of Section
3630..... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser.....Citico.....

Lease Name.....Catherine Unit.....Well #.3-9...

Operator Contact Person Len.R...Dorzweiler.
Phone913-625-5394.....

Field Name.....Catherine.....

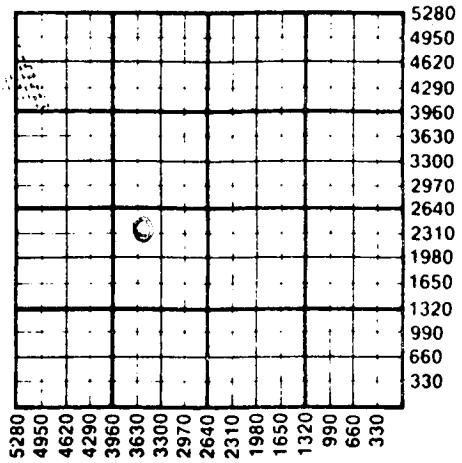
Producing Formation.....Arbuckle.....

Elevation: Ground.....1999.....KB...2004.....

Contractor: License #4083.....
Name ..Western Kansas Drilling.....

Wellsite Geologist.....Kenneth Vehige.....
Phone.....

Section Plat



Disposition of Produced Water: Disposal
Docket # ..D-25,063..... Repressuring

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

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1-5-89
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CONSERVATION DIVISION
Wichita, Kansas

If OWNO: old well info as follows:
Operator ..
Well Name ..
Comp. DateOld Total Depth.....

WELL HISTORY
Drilling Method:
 Mud Rotary Air Rotary Cable
..9-6-88... ..9-9-88... ..11-1-88...
Spud Date Date Reached TD Completion Date
3530.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 202 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....1180.....feet
If alternate 2 completion, cement circulated
from.....1180.....feet depth to.....0.....w/ 330 SX cmt
Cement Company Name ..Allied Cementing.....
Invoice # ..52439 & 52438 & 52421.....
2-6-89

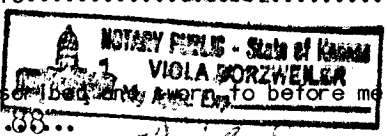
Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #.....
 Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West
 Surface Water.....660 Ft North from Southeast Corner
(Stream, pond etc) 990 Ft West from Southeast Corner
Sec 10 Twp 13 Rge 17 East W 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.

SignatureLen R. Dorzweiler.....
Title.....Owner..... Date 12-26-88

Subscribed and sworn to before me this ..26..day of December..
19..88..
Notary Public.....Viola Dorzweiler.....
Date Commission Expires.....4-20-1991.....



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)
1-5-89
Form ACO-1 (5-86)

Sec. 10 Twp 13 Rge 17W

SIDE TWO

Operator Name Cattlemans Oil Operations Lease Name Catherine Unit Well # 3-9

Sec. 10 Twp. 13 Rge. 17 East West County Ellis

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

Name	Top	Bottom
Anhydrite	1179	
Topeka	2977	
Lansing KC	3265	
Arbuckle	3516	
RTD	3520	
TD	3530	

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 Wichita, Kansas

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	13	8 5/8	20#	202	60-40	110	4 sks CC 3 sks Perl
production	7 7/8	5 1/2	14	3518	60-40	180	28 sks Perl 13 sks salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
	3518-3530 open hole			1000 gal 14%			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
12-5-88		2 7/8	3527				
Date of First Production		Producing Method					
12-5-88		<input 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		
	10		280		29		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

Arbuckle

Phc : 483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. N° 4203

Home Office P. O. Box 31

Russell, Kansas 67665

Date	9-7-88	Sec.	10	Twp.	13	Range	17	Called Out	9:00AM	On Location	10:30AM	Job Start	1:45 PM	Finish	2:30 PM
Well No.	#3-9			Location	Catherine 1/2 E 2 N 2 W			County	Ellis	State	Kansas				
Contractor	Western Kansas prod Rq 1														
Type Job	Production Tap Stage														
Hole Size	7 7/8"		T.D.	3520'											
Depth	3519'														
Depth															
Depth	1200'														
Shoe Joint	2848														
Minimum															
Displace															
Owner	SAME														
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.															
Charge To	CATTLEMANS Oil operations														
Street	Box 32, Catherine Rte														
City	Ways										State	KS 67601			
The above was done to satisfaction and supervision of owner agent or contractor															
Purchase Order No.															
X Lead Cementer															
CEMENT															

EQUIPMENT

#177	No.	Cementer	M. Kaufman
		Helper	Will H.
#150	No.	Cementer	
		Helper	
		Driver	Mike S.
		Driver	

PTH of Job		
#	Pump Tax	150.00
	Sub Total Tax	
	Total	150.00

Amount Ordered	350 SKS 60/40 Poz 8% bel 1/4 Floset	
Consisting of		
Common	310 SK @ 5.00	1050.00
Poz. Mix	140 SK @ 2.25	315.00
Gel.	28 SK @ 6.75	189.00
Chloride		
Quickset		
25K Plc Seal 1 Loop Road		80.00
Sales Tax		
Handling	90 per SK	315.00
Mileage	34 per mile 12	126.00
Sub Total		
Total		2,075.00

RECEIVED 34 PER MILE 12
 CORPORATION COMMISSION
 JAN 31 1989
 Flushing Equipment DIVISION
 CONSERVATION DIVISION
 Wichita, Kansas

Thanks

CEMENT Circulated

Phone 316-793-2627, Russell, Kansas
 Phone 316-793-3861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

N^o 4202

Date	9-7-88	Sec.	10	Twp.	13	Range	17	Called Out	9:00 AM	On Location	10:30 AM	Job Start	12:30 PM	Finish	1:30 PM	
Well No.	#3-9			Location		Catherine 1/2 E 1/2 NW			County		F.M.S		State		KANSAS	
Contractor	Western Kansas Drilg Rig 1			Location		Catherine 1/2 E 1/2 NW			County		F.M.S		State		KANSAS	
Type Job	Production Bottom Stage			Owner		SAME			To Allied Cementing Co., Inc.		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size	7 7/8"			T.D.		3520'			Charge To		Cattlemans Oil Operations					
Csg.	5 1/2"			Depth		3519			Street		Box 32, Catherine RTE					
Tbg. Size				Depth					City		Ways			State		KS 67601
Drill Pipe				Depth					The above was done to satisfaction and supervision of owner agent or contractor							
Tool				Depth					Purchase Order No.							
Cement Left in Csg.	2848'			Shoe Joint		RECEIVED 8/28/88			X		Les Amours					
Press Max.				Displace		JAN 5 1988			CEMENT							
Meas Line	Yes			Perf.					Amount Ordered		130 SKS COM 10% Salt					

EQUIPMENT		OBSERVATION DIVISION Wichita, Kansas	
#177 No.	Cementor	M. Kaufman	
mptrk	Helper	Will H.	
No.	Cementor		
mptrk	Helper		
#22	Driver	Joel C.	
mptrk	Driver		
mptrk			
mptrk			

PTH of Job		Sales Tax	
#	Pump Trk	838.00	
#	Mileage 1.00 per mile	12.00	
	Sub Total		
	Tax		
	Total	850.00	

Float Held

Thanks

Consisting of	Common	130 SK @ 5.00	650.00
Poz. Mix			
Gel.			
Chloride			
Quickset			
SALT	13 SK @ 4.75		61.75
Handling	90 per SK		117.00
Mileage	3¢ per mile		46.80
	Sub Total		
	Total		875.55
Floating Equipment			
2 - Baskets		242.00	
1 - AFU Insert		180.00	
1 - Guide Shoe		119.00	
1 - Centralizer		44.00	
		585.00	

913-483-2827, Russell, Kansas
 Phone 816-796-3841, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

N^o 4188

Date	9-1-88	Sec.	10	Twp.	13	Range	17	Called Out		On Location	9:30 PM	Job Start		Finish	11:15 AM
Lease	Catherine Unit	Well No.	3-9			Location	Catherine 1/2 E - 1/2 N - 1/2 W			County	ELLIS	State	Kan		
Contractor	Western Kansas Digs #1														
Type Job	Surface														

Core Size	12 1/4	T.D.	204'
sg.	8 5/8	Depth	201
Log Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Weight Left in Csg.	15'		
Loss Max.		Displacement	31 1989
Gas Line			

Owner
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

Charge To
 Cattleman's Oil Oper

Street
 Box 32, Catherine Rte

City
 HAYS State 1567601

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No.

X Melvin Steff

RECEIVED
 CORPORATION
 WICHITA, KANSAS
 SEP 1 1988
 INSURANCE DIVISION
 WICHITA, KANSAS

EQUIPMENT

Trk No.	Cementer	Walt
177	Helper	Will
Trk No.	Cementer	
160	Helper	
Trk No.	Driver	Scott
160	Driver	

CEMENT

Amount Ordered
 140 SKS 60/40 per 396cc-266el

Consisting of

Common	84 SK @ 5.00	420.00
Poz. Mix	56 SK @ 2.25	126.00
Gel.	3 SK @ 6.75	20.25
Chloride	4 SK @ 20.00	80.00
Quickset		

TRUCKS of Job

Pump truck	360.00
Plus	40.00
1.00 per mile	12.00
Sub Total	
Tax	
Total	412.00

Sales Tax

Handling	90¢ per SK	126.00
Mileage	3¢ per SK/mile	50.40
Sub Total		
Total		822.65

Remarks:
 Cement Did Cure

Floating Equipment

Thel Car