

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 # 5131  
Name Thunderbird Drilling, Inc.  
Address P.O. Box 18407  
City/State/Zip Wichita, KS 67218

Purchaser Koch

Operator Contact Person Burke Krueger  
Phone (316) 685-1441

Contractor: License # 5131  
Name Thunderbird Drilling, Inc.

Wellsite Geologist Mark Thompson  
Phone (316) 267-6153

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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9/23/85 9/30/85 10-13-85  
Spud Date Date Reached TD Completion Date  
3671  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 345 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3672' feet  
If alternate 2 completion, cement circulated from 0 feet depth to 345' w/ 225 cmt  
Cement Company Name Allied Cementing  
Invoice # 44383

API NO. 15-163-22,759 0000  
County Rooks  
NE NE SW 3 7S 20W West

2310 Ft North from Southeast Corner of Section  
2970 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

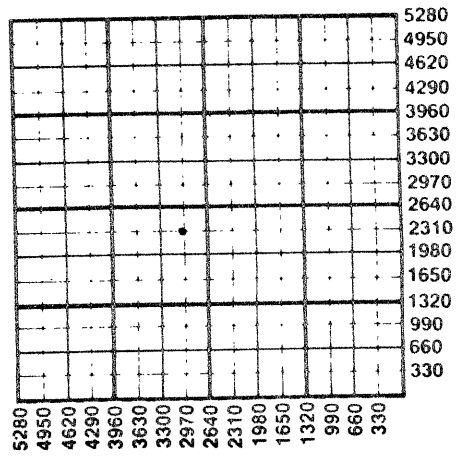
Lease Name ROSS "A" Well # 1

Field Name Probasco

Producing Formation Lansing-Kansas City

Elevation: Ground 2188' KB 2193'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  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 #

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 Cecil Roy (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 Burke Krueger

Title Vice-President Date 11/1/85

Subscribed and sworn to before me this 1st day of November 1985

Notary Public Gloria DeJesus

Date Commission Expires 3-25-88

GLORIA DE JESUS  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXP.

RECEIVED  
STATE CORPORATION COMMISSION  
11/6/85  
NOV-6 1985

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 3 Twp 7 Rge 20W

**SIDE TWO**

Operator Name Thunderbird Drilling, Inc. Lease Name Ross "A" Well # 1

Sec. 3 Twp. 7S Rge. 20  East  West County Rooks

**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

Description	From	To	Name	Top	Bottom
Surface Hole	0	345	Anhydrite	1760+	437
Shale	345	1270	B/Anhydrite	1794+	401
Sand	1270	1480	Topeka	3175-	982
Shale	1480	1758	Heebner	3381-	1188
Anhydrite	1758	1793	Lansing-KC	3417-	1224
Shale w/lime strks	1793	2140	BKC	3620-	1427
Shale	2140	3045	Arbuckle	3666-	1473
Shale & Lime	3045	3195	RTD	3671-	1478
Lime & Shale	3195	3340	LTD	3675-	1482
Lime	3340	3671			
R.T.D.	3671				

DST #1, 3407-3430/30-30-30-30, rec. 20' osm, FP 28-38#, BHP 704-695#  
 DST #2, 3438-3475/30-45-60-45, rec. 5' osm + 345' nmw, FP 28-174#, BHP 933-915#  
 DST #3, 3482-3520/30-45-30-45, rec. 2' mo, 120' nmw, FP 28-78#, BHP 455-450#  
 DST #4, 3559-3590/30-45-60-45, rec. 300' gip, 280' go, 120' gmo, FP 48-184#, BHP 532-455#  
 DST #5, 3655-3671/30-30-30-30, rec. 40' nmw, FP 19-35#, BHP 701-573#

CASING RECORD <input 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	24#	345	com	225	2% gel, 3% cc
Production		4 1/2	14#	3672'		125	
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	3567-3590 OA			A 1000 Gal. MA + 38 Ball Sealers		3567-3590 OA	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2 3/8"		Set At 3535					
Date of First Production		Producing Method					
		<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	
40			none	none			
		Bbls	MCF	Bbls	CFPB		

**METHOD OF COMPLETION** Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 3567-3590 OA  
 Used on Lease  Dually Completed .....  
 Commingled .....