

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 # 3536  
Name Ramco Drilling Services, Inc.  
Address P.O. Box 99  
City/State/Zip BeLpre, OH 45714

Purchaser

Operator Contact Person Bob Williamson/David Gocke  
Phone 614-423-9591

Contractor: License # 5302  
Name Red Tiger Drilling Company

Wellsite Geologist Robert W. Smith  
Phone (316) 564-3362

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

9/29/87 10/7/87 10/8/87  
Spud Date Date Reached TD Completion Date

3530  
Total Depth PBT

Amount of Surface Pipe Set and Cemented at 253 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

API NO. 15-009-24,254:0000

County Barton

SW/4 Sec. 11 Twp. 20 Rge. 13  East  West

400 Ft North from Southeast Corner of Section  
1500 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

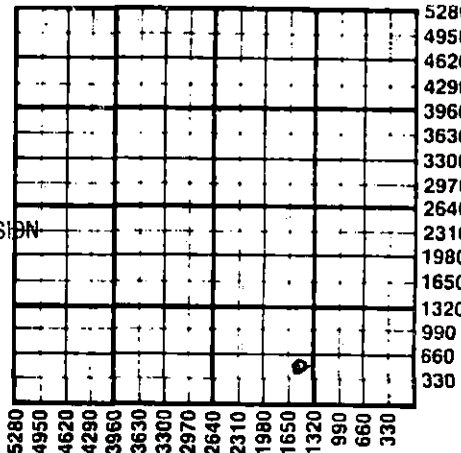
Lease Name William Welsh Well # 1

Field Name Bend

Producing Formation

Elevation: Ground 1858' KB 1863'

Section Plat



1-8-88

RECEIVED

STATE CORPORATION COMMISSION

JAN 08 1988

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 #

Groundwater 400 Ft North from Southeast Corner  
(Well) 1500 Ft West from Southeast Corner of  
Sec 11 Twp 20 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 [Signature] V.Pres.

Title Vice President/Exploration Date 12/14/87

Subscribed and sworn to before me this 14th day of Dec. 1987

Notary Public [Signature]

Date Commission Expires January 20, 1991

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

Sec. 11, Twp. 20, Rge. 13

**SIDE TWO**

Operator Name Ramco Drilling Services, Inc. Lease Name William Welsh Well # 1

Sec. 11 Twp. 20S Rge. 13  East  West County Barton

**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

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#	260'	60/40 poz	150	2% gel 3%cc
production	7 7/8"	5 1/2"	15.5#	3526'	60/40 poz	125	18% salt 3/4 CFR-2
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 shots	3467' - 3474'			1000 gals. 15% Fe D. S.			
4 shots	3213' - 3219'			500 gals. 15% N. E. acid			
				5" csg. shut off at 2800'			
				and pulled. Well plugged & abandoned.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		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	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

**METHOD OF COMPLETION**

**Production Interval**

Disposition of gas:  Vented  Sold  Used on Lease

Open Hole  Perforation  
 Other (Specify) .....  
 Dually Completed  
 Commingled

.....  
 .....

Amended

15.009.24254.0000

SIDE TWO

Operator Name Banco Drilling Services, Inc. Lease Name William Welsh Well # 1

Sec. 11 Twp. 20S Rge. 13  East  West County Barton

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
HEEBNER SHALE	3082	(-1219)
BROWN LIME	3198	(-1335)
LANSING/KS	3212	(-1349)
ARBUCKLE	3472	(-1609)

SEE ATTACHED SHEETS

CASING RECORD  New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

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PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 shots	3467' - 3474'	1000 gals. 15% Fe D. S.	
4 shots	3213' - 3219'	500 gals. 15% N. E. acid	
		5 1/2" csg. shut off at 2800'	
		and pulled. Well plugged & abandoned.	

TUBING RECORD Size Set At Packer at Liner Run  Yes  No

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease

Open Hole  Perforation  
 Other (specify) .....  
 Ductily Completed  
 Coning/led

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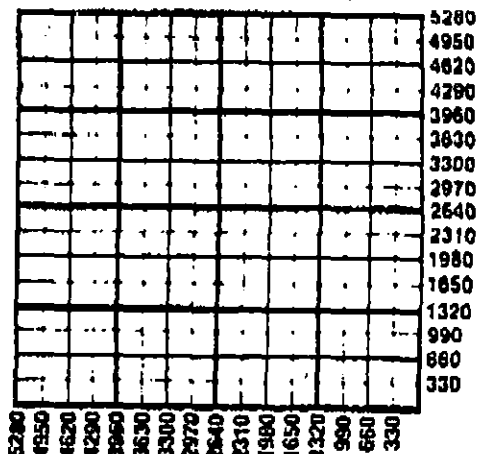
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Signature [Signature] v.pres.

Title Vice President/Exploration Date 12/14/87

Subscribed and sworn to before me this 14th day of Dec. 1987

Notary Public [Signature] My Commission Expires January 20, 1991

Date Commission Expires

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
RECEIVED  
STATE CORPORATION COMMISSION  
 KGS  Plug  NGPA  Other (Specify)  
MAR 11 1990  
CONSERVATION DIVISION  
Wichita, Kansas Form ACO-1 (7-84)

DST RESULTS CONT.

- #2 - L/KC, "F" & "G", 3277-3310, 30"-60"-60"-90"  
 IHP: 1722 FHP: 1681 BHT: 100°  
 IFP: 51-154 Weak blow increased to fair (15") in  
 16 minutes  
 FFP: 165-288 Weak blow increased to fair (15") in  
 45 minutes  
 SIP'S: 945-945  
 Recovery: 435' Muddy salt water with 91,500 chlorides  
 (mud chlorides at 3291' - 72,000)
- #3 - L/KC, "H" - "J", 3334-85, 30"-60"-30"-60"  
 IHP: 1763 FHP: 1701 BHT: 96°  
 IFP: 41-62 Very weak blow (1/8") slowly increased to 1"  
 FFP: 62-72 Very weak blow died in 30 minutes  
 SIP'S: 278-134  
 Recovery: 60' mud with a few specks of oil
- #4 - Arbuckle?/Conglomerate, 3425-65, 30"-30"-30"-30"  
 IHP: 1824 FHP: 1793 BHT: 95°  
 IFP: 41-41 Very weak blow died in 15 minutes  
 FFP: 41-41 No blow  
 SIP'S: 103-62  
 Recovery: 5' mud
- #5 - Arbuckle, 3463-80, 30"-60"-60"-90"  
 IHP: 1865 FHP: 1804 BHT: 100°  
 IFP: 31-41 Very weak blow slowly increased to 1/2"  
 FFP: 21-62 Very weak blow started in 11 minutes and  
 slowly increased to 1/2"  
 SIP'S: 1026-965  
 Recovery: 90' gassy oil cut mud (top - 45% mud,  
 21% water with 70,000 chlorides, 18% oil,  
 16% oil cut mud. Bottom - 85% mud, 5%  
 water, 5% oil, 5% oil cut mud)(Mud chlorides  
 at 3467' - 84,000)
- #6 - Arbuckle, 3481-90, 30"-60"-60"-90"  
 IHP: 1845 FHP: 1781 BHT: 105°  
 IFP: 24-55 Very weak blow slowly increased to 1 1/2"  
 FFP: 47-94 Very weak blow started in 7 minutes and  
 slowly increased to 1 1/2"  
 SIP'S: 1037-950  
 Recovery: 130' muddy salt water with 26,500 chlorides

RECEIVED  
 STATE CORPORATION COMMISSION

JAN 08 1988

CONSERVATION DIVISION  
 Topeka, Kansas

FORMATION TOPS

	E - Log	Sample Log
Heebner Shale	3082(-1219)	3086(-1223)
Brown Lime	3198(-1335)	3202(-1339)
Lansing/Kansas City	3212(-1349)	3217(-1354)
Arbuckle	3472(-1609)	3456(-1593)

DST RESULTS

#1 - L/KC, "A" - "E", 3206-75, 30"-60"-60"-90"

IHP: 1691 FHP: 1661 BHT: 97°

IFP: 41-123 Weak blow (1") slowly increased to fair blow (10")

FFP: 165-206 Fair blow (6") slowly increased to 15"

SIP'S: 391-370

Recovery: 120' gas in pipe

130' slightly oil cut gassy mud (22.5% gas, 7.5% oil, 10% water, 60% mud)

240' gassy oil cut mud (36% gas, 26% oil, 15% water, 23% mud)

370' total fluid