

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 PO Box 99
City/State/Zip Belpre, OH 45714

Purchaser

Operator Contact Person Robert Williamson
Phone (614) 423-9591

Contractor: License # 5929
Name Duke Drilling Co., Inc.

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 OWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

9-14-87 9-20-87 9-21-87
Spud Date Date Reached TD Completion Date

3430'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 368 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
Cement Company Name
Invoice #

API NO. 15-053-21-027

County Ellsworth

NE..NE..NW..... Sec. 19.. Twp. 16... Rge. 10... East
XX West

4950
2970
Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

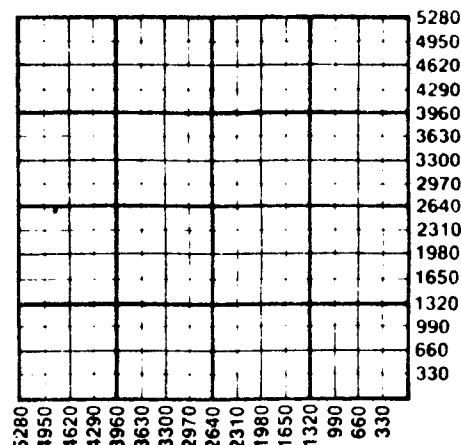
Lease Name Richard Brown Well # 1

Field Name

Producing Formation

Elevation: Ground 1901' 1908' KB

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

X Surface Water 2640
4640
Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec 20 Twp 16 Rge 10 East X 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.

Operator Name Ramco Drilling Services, Inc. Lease Name Richard Brown Well # 1Sec. 19 Twp. 16 Rge. 10 ☐ East
☒ West County Ellsworth

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

DST Results

#1-Lansing/Kansas City "B", 3102'-24', 30"-30"-30"-30"
 IHP: 1519 FHP: 1482 BHT: 100
 IFP: 19-19 Very weak blow died in 3 min.
 FFP: 19-19 No blow
 SIP's: 148-55
 Recovery: 2-1/2' Drilling mud

#2 Lansing/Kansas City "G", 3163'-90', 45"-60"-45"-90"
 IHP: 1612 FHP: 1556 BHT: 102
 IFP: 37-111 Weak blow slowly increased to fair (8-1/2")
 FFP: 111-148 Fair blow (8-1/2") throughout
 SIP's: 869-887
 Recovery: 100' Gassy watery mud (33,000 chlorides)
 120' Drilling mud
 220' Total fluid

#3 Arbuckle, 3367'-3430', 30"-60"-60"-90"
 IHP: 1686 FHP: 1686 BHT: 106
 IFP: 55-129 Weak blow slowly increased to fair (6-1/2")
 FFP: 129-222 Fair blow (6-1/2") throughout
 SIP's: 980-980
 Recovery: 360' Muddy salt water with a scum of oil
 (17,500 chlorides)

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
FORMATION TOPS		
Heebner Shale	2957 (-1049)	2961
Lansing/Kansas City	3078 (-1120)	3344
Base/Kansas City	3344 (-1436)	----
Conglomerate	3350 (-1442)	----
Arbuckle	3417 (-1509)	NDE

CASING RECORD ☒ New ☐ 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 Casing	12 1/4	8-5/8"		368'	60/40 po2	180	2% gel, 3% c.c.

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No

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