

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 # 7049
Name Rapid Well Service
Address Box 208
City/State/Zip Russell, KS 67665

Purchaser Permian Corporation

Operator Contact Person Elmer Karst
Phone (913) 483-3362

Contractor: License # 5122
Name Woodman-Iannitti Drilling Co.

Wellsite Geologist J.R. Green
Phone (913) 625-9023

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9-6-85 9-13-85 10-85 9-26-85
Spud Date Date Reached TD Completion Date
3980 3986
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 302 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1625 feet
If alternate 2 completion, cement circulated from 302 feet depth to surface w/ 175 SX cmt
Cement Company Name Allied Inc.
Invoice # 44131

API NO. 15-051-24-310-00:00

County Ellis

SE NW SW Sec 36 Twp 13S Rge 20 West

1915 Ft North from Southeast Corner of Section
4405 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

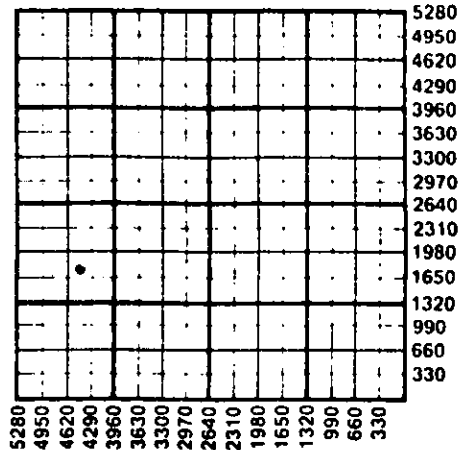
Lease Name Engel "C" Well # 2

Field Name Irvin

Producing Formation Arbuckle/Lansing

Elevation: Ground 2275 KB 2270

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # D-24-8444 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 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.

Signature Elmer L. Karst
Title Owner Date 12-28-87

Subscribed and sworn to before me this 28th day of December 1987

Notary Public Colleen Payton
Date Commission Expires May 2, 1991

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

Colleen Payton
NOTARY PUBLIC
State of Kansas
MY APP. EXPIRES 5-2-91

Sec 36 Twp 13S Rge 20W

Operator Name **Rapid Well Service** Lease Name **Engel "C"** Well # **2**

Sec. **36** Twp. **13S** Rge. **20** 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

DST #1--3909-3920
 Flow Period: 30-30-60-30 min.
 Recovery: 495' oily watery mud, 550' oily water, 650' salt water, 185' water mud
 Flow Pressures: 400-867# & plugging on second opening
 Shut-In Pressures: 1950 & 1950# (distorted, high)

Name	Top	Bottom
Anhydrite	1568	
Tarkio	3109	
Elmont	3152	
Howard	3222	
Topeka	3280	
Heebner	3533	
Toronto	3554	
Lansing	3574	
Kansas City	3823	
Marmaton	3856	
Conglomerate	3885	
Arbuckle	3915	
R.T.D.	3980	

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	12-1/4	8-5/8		302	60/40ppz	175	2%gel, 3% CC
Production	7-7/8	5-1/2		3967	60/40ppz	200	10% salt, 1/2# floccul/sack

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
four	3915-15%, 3910-12	1000 gal. INS. acid	3866-78
two	3872-78, 3866-72, 3839 1/2-42%, 3830 1/2-33%	3500 gal. 15% INS. acid	3878-3730 O.A.
two	3777-82, 3770-72, 3650-53	squeeze with 75 sx	3915-10
		squeeze with 55 sx	3876
		squeeze with 50 sx	2797

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-7/8"	3875	3875		

Date of First Production **October 1985** Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	5		480		

METHOD OF COMPLETION Production Interval

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

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