

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

5

Operator: License # .5056.....
NameF.G.Holl.Estate.....
Address .6427.E..Kellogg.....
.....
City/State/Zip Wichita,,Ks..67207.....
N/A
Purchaser.....

Operator Contact Person ..Elwyn.H..Nagel.....
Phone ..(316)..684-8481.....

Contractor:License # .5380.....
Name ..Eagle.Drilling,,Inc.....

Wellsite Geologist..W..Bryce.Ridleman.....
Phone..(316)..684-8481.....

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. DateOld Total Depth.....

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

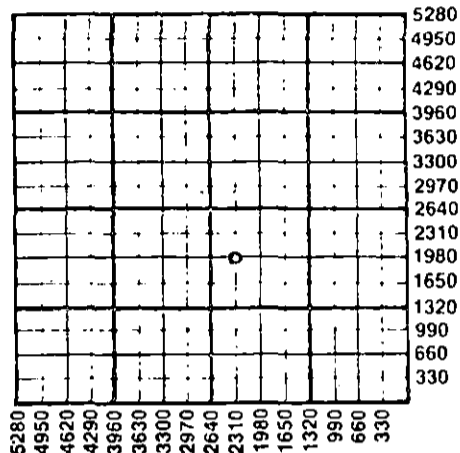
..9-11-86... ..9-16-86... ..N/A.....
Spud Date Date Reached TD Completion Date

..4419'..... ..4553,70'...
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at...350 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-.047-21,271.....
County...Edwards.....
C.W/2.NW.SE... Sec.18. Twp.24.Rge.17.. X East X West
.....
.1980..... Ft North from Southeast Corner of Section
.2310..... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name.CROSS.....Well #..3-18.
Field Name.Wayne,,Northwest.....
Producing Formation...N/A.....
Elevation: Ground...2130.....KB..2143.....

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 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 Elwyn H. Nagel
Elwyn H. Nagel
Title.....Manager..... Date ..12-10-86.

Subscribed and sworn to before me this 10 day of December
1986.
Notary Public.....Mary D. Slagle.....
Date Commission Expires.....

MARY D. SLAGLE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 12/30/89

12-17-86 DEC 17 1986

CONSERVATION DIVISION
Wichita, Kansas

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 18, Twp 24, Rge 17

SIDE TWO

Operator Name F. G. Holl Estate Lease Name Cross Well # 3-18

Sec. 18 Twp. 34S Rge. 17 East West County Edwards

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 4377-4419 Cherokee

IFP: 48#-48# ;30"
 ISIP: 52# ;30"
 FFP: 48#-48# ;30"
 FSIP: 57# ;60"

Rcd: 20' DM

Weak steady blow, 1 1/2" blow on initial flow period. Very weak blow on final flow period.

Name	Top	Bottom
Heebner	3780	(-1637)
Brown Lime	3901	(-1758)
LKC	3911	(-1768)
BKC	4215	(-2072)
Marmaton	4275	(-2132)
Cherokee sh.	4373	(-2230)
Cherokee sd.	4408	(-2265)
Mississippi	4426	(-2283)
Kinderhook sh.	4483	(-2340)
Kinderhook sd.	4501	(-2358)
Viola	4536	(-2393)

DST #2 4375-4461 Mississippi

IFP: 94#-97# ;30" FFP: 131#-131# ;30"
 ISIP: 1078# ;60" FSIP: 1010# ;60"

Rcd: 30' OCGM
 120' HG&OM
 60' HO&MCO
 Strong blow on both initial flow and final flow. No GTS.

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		8 5/8"	23#	350' KB	60/40 Poz	225	3% cc
Production		4 1/2"	10.5#	4570' KB	White	100	
					50/50 Poz	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	4429-4435			500 gal. DSFE acid		20 ball sealers	
				x-link frac w/ 10,000# 20/40		and	
				5,000# 12/20 sand			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2 3/8"		Set At 4398.86'		Packer at			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
N/A							
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 Open Hole Perforation
 Sold Other (Specify) N/A
 Used on Lease Dually Completed
 Conmingled