

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

JUN 28 2001 6-28-01
ORIGINAL

Operator: License # 5056
Name: F.G. Holl Company, L.L.C.
Address: 6427 E. Kellogg, P.O. BOX 780167
City/State/Zip: Wichita, KS. 67278-0167
Purchaser: NCRA
Operator Contact Person: Franklin R. Greenbaum
Phone: (316) 684-8481
Contractor: Name: Sterling Drilling, Rig # 4
License: 5142
Wellsite Geologist: Brent B. Reinhardt

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: F.G. Holl Company, L.L.C.

Well Name: PALMQUIST # 4-32
Original Comp. Date: 1/27/90 Original Total Depth: 4801
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back 4590' Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

RU: 4/25/2001 1/3/90 RD: 5/1/2001
~~Start~~ Date of START Date Reached TD Completion Date of
OF WORKOVER **WORKOVER**

API No. 15 - 151-21,969 - ~~0001~~ OIL & GAS CONSERVATION DIVISION
County: Pratt WICHITA, KS
C E/2 SW SE Sec. 32 Twp. 29 S. R. 13 East West
660 feet from (S) / (N) (circle one) Line of Section
1650 feet from (E) / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: PALMQUIST "OWWO" Well #: 4-32
Field Name: Jem
Producing Formation: Marmaton
Elevation: Ground: 1939' Kelly Bushing: 1948'
Total Depth: 4801 Plug Back Total Depth: 4547
Amount of Surface Pipe Set and Cemented at 260' KB Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REWORK 9/7 11/13/02
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____

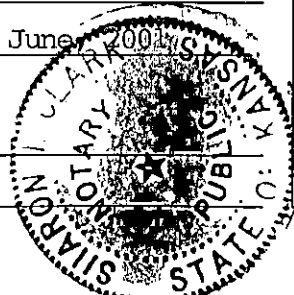
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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: Franklin R. Greenbaum
Title: Exploration Manager Date: 6/11/2001

Subscribed and sworn to before me this 11th day of June, 2001
Notary Public: Sharon S. Clark
Date Commission Expires: 3/16/2003



KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

✓

X

Operator Name: F.G. Holl Company, L.L.C. Lease Name: PALMQUIST "OWWO" Well #: 4-32
 Sec. 32 Twp. 29 S. R. 13 East West County: Pratt

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy) List All E. Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum SEE ORIGINAL ACO-1 (OR ATTACHMENT)
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CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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		10 3/4"	32.75	260'	60/40 POZ	225	2% GEL, 3% CC
Production		4 1/2"	10.5	4796'	Lite	100	
					50/50 POZ	125	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

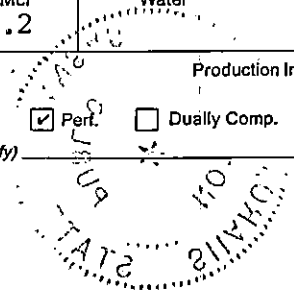
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 BSPF	4620-4654 Viola		
	4590 CIBP		
2 BSPF	4409 - 4414 Marmaton	Treat with 200 gal, 15% Mira acid and 1,200 gal	
2 BSPF	4422 - 4427 Marmaton	15% MIRA acid.	
		Frac well with 100 bbls Bio Tech bugs ahead of gel pad and 452 bbls gel and 19,500 # Sand	

TUBING RECORD		Size 2 3/8"	Set At 4454'	Packer At 4405'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 5/1/2001		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 Bbls. 30	Gas Mcf 2.2	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 4409 - 4427 Marmaton

Other (Specify): _____



ORIGINAL

F. G. HOLL COMPANY

6427 EAST KELLOGG - P.O. BOX 780167
WICHITA, KS 67278-0167

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 28 2001

PALMQUIST 4-32

CONSERVATION DIVISION
WICHITA, KS

Formation Description

Indian Cave	2980	(-1032)
Tarkio	3187	(-1239)
Topeka	3441	(-1493)
Heebner	3815	(-1867)
Toronto	3833	(-1885)
Douglas	3854	(-1906)
Douglas Sand	2881	(-1933)
Brown Lime	3999	(-2051)
Lansing	4016	(-2068)
BKC	4405	(-2457)
Marmaton	4409	(-2461)
Conglomerate	4468	(-2520)
Mississippi	4535	(-2587)
Kinderhook Shale	4561	(-2613)
Viola Limestone	4605	(-2657)
Simpson Sand	4657	(-2709)
Arbuckle	4753	(-2805)

Drill Stem Tests

DST #1: 4395 to 4435 Marmaton

30-60-60-90

IFP 86/105:30 ISIP 1548:60 FFP 166/199:60 FSIP 1437:90

IHP 2278 FHP 2275 BHT 119°

Initial Blow: Strong Blow- Gas to surface in 15 minutes.

Final Blow: Strong Blow

1st Blow

20 min. 34,7 MCF

30 " 34,7 "

2nd Blow

10 min. 34,7 MCF

20 " 34,7 "

30 " 31,6 "

40 " 31,6 "

50 " 28,3 "

60 " 28,3 "

Recovered 450 feet of gas in the pipe, 120 feet of heavy oil and gas cut mud 12% gas, 39% oil, 49% mud, 120 feet of heavy oil and gas cut mud 8% gas, 46% oil, 46% mud.