

ORIGINAL

SIDE ONE

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

Operator: License # 5056

Name: F. G. Holl Company

Address 6427 E. Kellogg

P.O. Box 780167

City/State/Zip Wichita, KS 67278-0167

Purchaser: Republic Natural Gas Co.

Operator Contact Person: Elwyn H. Nagel

Phone () (316) 684-8481

Contractor: Name: Trans-Pac Drilling, Inc.

License: 5841

Wellsite Geologist: Ernie Morrison

Designate Type of Completion

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

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

3/28/90 4/7/90 5/22/90
Spud Date Date Reached TD Completion Date

API NO. 15- 151-21,986-100-00

County Pratt

105'E & 105'S of
C NW NE Sec. 32 Twp. 29S Rge. 13W East West

4515 Ft. North from Southeast Corner of Section

1875 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name CURRY Well # 3-32

Field Name Jem

Producing Formation Mississippi

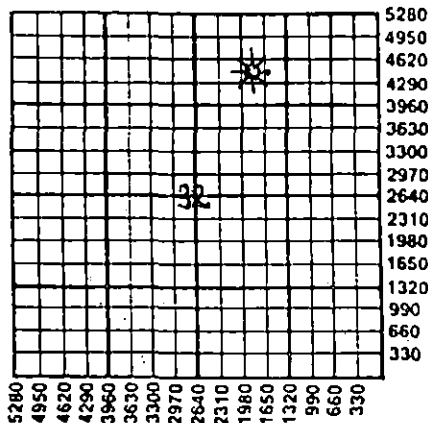
Elevation: Ground 1952' KB 1960'

Total Depth RTD: 4829' PBTD 4778'

CONSERVATION DIVISION
Wichita, Kansas

JUL 9 1990

07-19-90



Amount of Surface Pipe Set and Cemented at 279' at 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.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

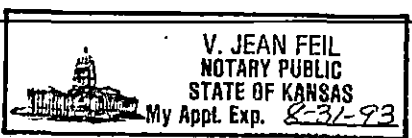
Signature Elwyn H. Nagel

Title Elwyn H. Nagel Date 6/27/90

Subscribed and sworn to before me this 27th day of June, 19 90.

Notary Public V. Jean Feil

Date Commission Expires _____



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)

PI X

ORIGINAL

SIDE TWO

Operator Name F. G. Holl Company Lease Name CURRY Well # 3-32
 Sec. 32 Twp. 29S Rge. 13W East County Pratt West

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

See attached page.

Formation Description		
Name	Top	Bottom
Heebner	3827 (-1867)	
Brown Lime	4006 (-2046)	
Lansing	4026 (-2066)	
BKC	4406 (-2446)	
Marmaton	4413 (-2453)	
Mississippi	4474 (-2514)	
Viola	4587 (-2627)	
Simpson Shale	4682 (-2722)	
Simpson Sand	4688 (-2728)	
Arbuckle	4788 (-2828)	

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	17 1/2"	13 3/8"	48#	279'	60/40 POZ	260	3%CC, 2%Salt
Production	7 7/8"	4 1/2"	10.5#	4824'	LITE	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 SPF	4506-4524			AC:500gls 15% DSFE			4778'
				FRAC:40,000gls MY-T-GELL III			
				L.T. X-LINK, 250sks 20/40 sand, 280sks 12/20 sand.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size	Set At	Packer At				
	2"	4478'	4478'				
Date of First Production		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
6/27/90							
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
			240				

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

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval: 4506-4524

ORIGINAL

F. G. HOLL COMPANY

8427 EAST KELLOGG - P.O. BOX 780167
WICHITA, KS 67278-0167

CURRY #3-32
105'E & 105'S of C NW NE
Sec 32-29s-13w
Pratt County, Kansas

DST #1: 4511-4535 MISSISSIPPI
30:60:60:90
1) SB: GTS in 5 mins.
10 mins = 197. MCF
20 mins = 233. MCF
30 mins = 250. MCF
2) SB
10 mins = 271. MCF
20 mins = 278. MCF
30 mins = 285. MCF
40 mins = 291. MCF
50 mins = 298. MCF
60 mins = 301. MCF
REC: 30' GM
IHP: 2245
IFP: 101-78 30"
ISIP: 1571 60"
FFP: 107-76 60"
FSIP: 1548 90"
FHP: 2136
BHT: 109°F

DST #2: 4580-4643 VIOLA
30:60:60:90
1) FBOB in 2½ mins
2) GBOB in 2 mins
REC: 20' M with Few Spots Oil on Tool
IHP: 2380
IFP: 54/34 30"
ISIP: 311 60"
FFP: 63/38 60"
FSIP: 275 90"
FHP: 2335
BHT: 114°F

STATE OF KANSAS
DEPARTMENT OF REVENUE
WICHITA, KANSAS

JUL 19 1990
CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS - CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
8-7-88
ORIGINAL

TYPE TEST: Deliverability Open Flow TEST DATE: 5-21-90 to 5-22-90

COMPANY: F.G. Holt LEASE: Curry WELL NO.: 3-32

COUNTY: Pratt LOCATION: 150' SE of CNWE SECTION: 32 TWP: 29S RNG: 13W ACRES:

FIELD: JEM RESERVOIR: Mississippi PIPELINE CONNECTION: None

COMPLETION DATE: 5-2-90 PLUG BACK TOTAL DEPTH: Packer set at: None

CASING SIZE: 4 1/2" WT. LD. SET AT 4478' PERF. TO 4506' TO 4524'

TUBING SIZE: 2 3/8" WT. LD. SET AT 4478' PERF. TO Open

TYPE COMPLETION (Describe): Single-gas TYPE FLUID PRODUCTION: Oil/water

PRODUCING THRU: Tubing RESERVOIR TEMPERATURE: F BAR. PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: .750 (est) % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (ft): TYPE METER CORR.: (METER RUN)(PROVER) SIZE: 2"

SHUT-IN PRESSURE: SHUT IN May 18 19 90 AT 9:00 (AM)(PM) TAKEN May 21 19 90 AT 9:00 (AM)(PM)

FLOW TEST: STARTED May 21 19 90 AT 10:15 (AM)(PM) TAKEN May 22 19 90 AT 10:00 (AM)(PM)

OBSERVED DATA

DURATION OF SHUT-IN: 72 HR.

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h _w)(h _d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS		TUBING WELLHEAD PRESS		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _c)(P _e) psia	psig	(P _w)(P _c)(P _e) psia		
SHUT-IN						1310	1324.4	1308	1322.4	72	
FLOW	3/8	10	--	70°	--	1230	1244.4	450	464.4	23.75	7.5

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _d)(F _e) Mafd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_c h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mafd	GOR	G _m
2.439	24.4	-----	1.155	.9905	1.000	68		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 1754.035, (P_w)² = 1548.531, P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_w)² = 0.207 (P_d)² = _____

$\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}$	LOG []	"n" assumed	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mafd
1753.828	205.504	8.534	.931	.85	.7914	6.186	421

OPEN FLOW 421 Mafd @ 14.65 psia x .25 DELIVERABILITY 105 Mafd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the 22 day of May, 19 90

JUL 19 1990

Rick Hughes - RNGC

Witness (if any)

For Company

CONSERVATION DIVISION
Wichita, Kansas

Gary L. Maier

For Commission

Checked by

HALLIBURTON SERVICES

ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
904085	04/08/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
CURRY 3-32		PRATT		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB/PURPOSE		TICKET DATE
PRATT		TRANS PAC	CEMENT PRODUCTION CASING		04/08/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
392900	GARY PUGH			COMPANY TRUCK	93169

F. G. HOLL
P. O. BOX 158
BELPRE, KS 67519

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	15	MI		
		1	UNT		
001-016	CEMENTING CASING	4824	FT		
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	4.5	IN		
		1	EA		
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA		
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA		
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA		
815.19113					
40	CENTRALIZER 4-1/2" MODEL S-4	4	EA		
807.93004					
018-317	SUPER FLUSH	12	SK		
509-968	SALT	400	LB		
504-316	HALLIBURTON LIGHT W/STANDARD	115	SK		
504-308	STANDARD CEMENT	63	SK		
506-105	POZMIX A	62	SK		
506-121	HALLIBURTON-GEL 2%	2	SK		
509-968	SALT	1100	LB		
508-291	GILSONITE	650	LB		
507-153	CFR-3	79	LB		
507-210	FLOCELE	16	LB		
508-085	TUF CEMENT FIBERS NO 1 (NYLON)	16	LB		
500-207	BULK SERVICE CHARGE	269	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	173.81	TMI		

INVOICE SUBTOTAL

***** CONTINUED ON NEXT PAGE *****

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF UNPAID ACCOUNT



P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
904035	03/28/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
CURRY 3-32		PRATT		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		TRANS-PAC	CEMENT SURFACE CASING		03/28/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
392900	GARY PUGH			COMPANY TRUCK	92910

F G HOLL
P O BOX 158
BELPRE, KS 67519

CONSERVATION DIVISION
Wichita, Kansas
0661 6 + 700
JUL 6 1990

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE/REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	15	MI		
001-016	CEMENTING CASING	1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	285	FT		
504-308	STANDARD CEMENT	1	UNT		
506-105	POZMIX A	13	3/8 IN		
506-121	HALLIBURTON-GEL 2%	1	EA		
509-406	ANHYDROUS CALCIUM CHLORIDE	156	SK		
500-207	BULK SERVICE CHARGE	104	SK		
500-306	MILEAGE CMTG MAT DEL OR RETURN	5	SK		
		7	SK		
		274	CFT		
		175.25	TMI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*- KANSAS STATE SALES TAX					
*- PRATT COUNTY SALES TAX					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

ORIGINAL

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.