SIDE ONE

plugged 9-16-87

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

API NO. 15- 191-22,004-00-00

County Sumner

CW/2 SW SE Sec. 10 Twp. 35 Rge. 1 __ East X West

660 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Crow Well # 1

Field Name South Haven

Producing Formation Layton

Elevation: Ground 1133 KB 1138

Operator: License # 5500
Name Jenkins & Sons Production, Inc.
Address Route 2, Box 19
City/State/Zip Arkansas City, KS. 67005

Purchaser N/A

Operator Contact Person Pat Jenkins
Phone (316) 442-0267

Contractor: License # 5420
Name White & Ellis Drilling Co., Inc.

Wellsite Geologist Edward Broyles
Phone (316) 442-7503

Designate Type of Completion
X New Well __ Re-Entry __ Workover

~~X~~ Oil __ SWD __ Temp Abd
Gas __ Inj __ Delayed Comp.
X Dry __ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator N/A
Well Name
Comp. Date Old Total Depth

Section Plat

5280 4950 4620 4290 3960 3630 3300 2970 2640 2310 1980 1650 1320 990 660 330

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 360 Ft North from Southeast Corner
(Stream, pond etc.) 2310 Ft West from Southeast Corner
11 Sec 35 Twp 1 Rge __ East X West

__ Other (explain)
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:
X Mud Rotary __ Air Rotary __ Cable

9/10/'87	9/16/'87	9/21/'87
Spud Date	Date Reached TD	Completion Date

3271'	D/A
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 260 feet
Multiple Stage Cementing Collar Used? __ Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 255 feet depth to surface w/ 220 SX cmt
Cement Company Name United Cementing
Invoice # 2528

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 Kenneth Jenkins

Title ~~Vice-President~~ Date 1/12/'88

Subscribed and sworn to before me this 25th day of Jan.
19 88.
Notary Public Cheri K. Posey

Date Commission Expires

CHERI K. POSEY
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES JULY 27, 1989

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)

STATE CORPORATION COMMISSION
JAN 27 1988
CONSERVATION DIVISION
Wichita, Kansas

Sec. 10 Twp. 35 Rge. 1 W

Form ACO-1 (5-86)

1-27-1988

SIDE TWO

Operator Name Jenkins and Sons Production, Inc. Lease Name Crow Well # 1

Sec. 10 Twp. 35S Rge. 1 ☐ East ☒ West County Sumner

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

Drill Stem Test: See Attached

Plugged and abandoned: See Attached

Formation Description
☐ Log ☒ Sample

Name	Top	Bottom
Cellar	0	7
Shale	7	786
Shale, Lime	1210	1622
Lime, Shale	1622	2490
Shale, Sand	2490	2533
Lime, Shale	2533	2793
Shale	2793	2830
Lime, Shale, Sand	2830	3023
Shale	3023	3258
Sand	3258	3271

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"	24	261'	Class A	220	CC/3%

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).....

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

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Sold ☐ Used on Lease

☐ Open Hole ☐ Perforation
☐ Other (Specify) .....

☐ Dually Completed
☐ Commingled

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Ricketts Testing

Company Jenkins & Son Production, Inc. Lease & Well No. Crow #1

Elevation ____ Formation Layton Effective Pay ____ ft. Ticket No. 952

Date 9-16-87 Sec. 10 Twp. 35 Range 1W County Sumner State Kansas

Test Approved by Ed Broyles Ricketts Representative Steve Waggoner

Formation Test No. 1 Interval Tested from 3264 ft. to 3271 ft. Total Depth 3271 ft.

Packer Depth 3264 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 3261 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3252 A/P ft. Recorder Number 13767 Cap. 4275

Bottom Recorder Depth (Outside) 3268 ft. Recorder Number 13565 Cap. 4475

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____

Drilling Contractor White & Ellis #7 Drill Collar Length 121 I.D. 2.25 in.

Mud Type Chemical Viscosity 66 Weight Pipe Length ____ I.D. ____ in.

Weight 9.4 Water Loss 9.9 cc. Drill Pipe Length 3123 I.D. 3.25 in.

Chlorides 3,500 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make --- Serial Number ____ Anchor Length 7 ft. Size 5½ in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½xh in.

Blow: Steady blow, building to 10" Initial Flow Period.

Steady blow, building to 6½" Final Flow Period.

Recovered 270 ft. of Muddy water.

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: DST Fluid Chlorides 36,000 PPM

Time Set Packer (s) 10:45 A.M. Time Started Off Bottom 1:45 P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure		(A) 1703	P.S.I.
Initial Flow Period	Minutes 60	(B) 34 to (C) 114	P.S.I. to P.S.I.
Initial Closed In Period	Minutes 30	(D) 1298	P.S.I.
Final Flow Period	Minutes 60	(E) 144 to (F) 159	P.S.I. to P.S.I.
Final Closed In Period	Minutes 30	(G) 1288	P.S.I.
Final Hydrostatic Pressure		(H) 1689	P.S.I.

STATE CORPORATION COMMISSION
JAN 27 1988
CONSERVATION DIVISION
Wichita, Kansas

RICKETTS TESTING
Pressure Data

Date 9-16-87 Test Ticket No 952

Recorder No 13767 Capacity 4275 Location 3252 Ft.

Clock No Elevation Well Temperature 104 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1703	P.S.I.
B	First Initial Flow Pressure	34	P.S.I.
C	First Final Flow Pressure	114	P.S.I.
D	Initial Closed-in Pressure	1298	P.S.I.
E	Second Initial Flow Pressure	144	P.S.I.
F	Second Final Flow Pressure	159	P.S.I.
G	Final Closed-in Pressure	1288	P.S.I.
H	Final Hydrostatic Mud	1689	P.S.I.

	Time Given	Time Computed
Open Tool	10:45 A M	
First Flow Pressure	60 Mins.	60 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point	Mins.	Press.
P 1	0	34
P 2	5	35
P 3	10	40
P 4	15	48
P 5	20	55
P 6	25	63
P 7	30	72
P 8	35	79
P 9	40	86
P10	45	93
P11	50	99
P12	55	108
P13	60	114
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point	Minutes	Press.
	0	114
	3	1121
	6	1196
	9	1230
	12	1251
	15	1263
	18	1273
	21	1281
	24	1288
	27	1294
	30	1298
	33	
	36	
	39	
	42	
	45	
	48	
	51	
	54	
	57	
	60	

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point	Minutes	Press.
	0	144
	5	144
	10	144
	15	144
	20	144
	25	144
	30	145
	35	148
	40	150
	45	152
	50	154
	55	157
	60	159
	65	
	70	
	75	
	80	
	85	
	90	

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point	Minutes	Press.
	0	159
	3	1010
	6	1172
	9	1215
	12	1240
	15	1255
	18	1265
	21	1274
	24	1280
	27	1285
	30	1288
	33	
	36	
	39	
	42	
	45	
	48	
	51	
	54	
	57	
	60	