

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 # 3321  
Name: Hoffman Petroleum, Inc.  
Address 1600 Broadway, Suite 1710  
City/State/Zip Denver, CO 80202  
Purchaser: N.C.R.A., McPherson, KS  
Operator Contact Person: Myrle F. Hoffman  
Phone ( 303 ) 860-9121  
Contractor: Name: Red Tiger Drilling Co.  
License: 5302  
Wellsite Geologist: Clifton K. Ottoway

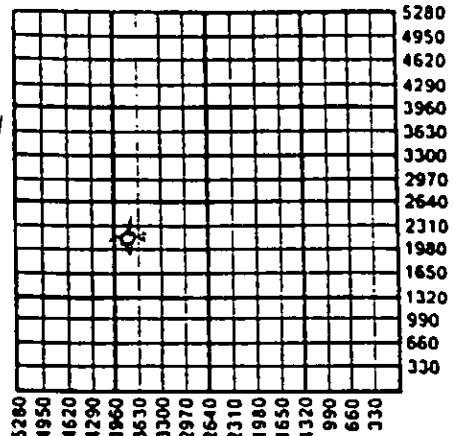
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12-02-90 12-12-90 12-12-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,526-00-00  
County Ness  
NW NE SW Sec. 7 Twp. 17 Rge. 21W  East West  
2150 Ft. North from Southeast Corner of Section  
3710 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Yawger Well # #H-2  
Field Name \_\_\_\_\_  
Producing Formation N/A  
Elevation: Ground 2376' KB 2381'  
Total Depth 4514' P8TD \_\_\_\_\_



5280  
4950  
4620  
4290  
3960  
3630  
3300  
2970  
2640  
2310  
1980  
1650  
1320  
990  
660  
330  
A/I-11 D+0

Amount of Surface Pipe Set and Cemented at 240' 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 Myrle F. Hoffman  
Title President Date 2/12/91  
Subscribed and sworn to before me this 12th day of February,  
19 91.  
Notary Public Carol Ann Hoffman  
Date Commission Expires My Commission expires May 17, 1993

**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)

SIDE TWO

Operator Name Hoffman Petroleum, Inc. Lease Name Yawger Well # # H-2  
 Sec. 7 Twp. 17 Rge. 21W  East  West  
 County Ness

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 DST reports.

Name	Formation Description	
	Top	Bottom
Heebner	3803	(-1422)
Lansing K.C.	3847	(-1466)
Base LKC	4120	(-1739)
Pawnee	4213	(-1832)
Fort Scott	4290	(-1909)
Cherokee sand	4319	(-1938)
Reworked Miss.	4393	(-2012)
Mississippi	4412	(-2031)
RTD	4514	(-2133)
LTD	4519	(-2138)

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	20#	240'	60-40poz	150	2%cc 3%gel

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated		

TUBING RECORD

Size Set At Packer At Liner Run  Yes  No

Date of First Production N/A	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

3616

## Test Ticket

Well Name & No. Yawger # H-2 Test No. 2 Date 12-11-90  
 Company Hoffman Petro, Inc. Zone Tested Sand  
 Address 1600 Broadway, Denver, Colo. 80202 Elevation 2381 K.B.  
 Co. Rep./Geo. Cliff Ottaway cont. Red Tiger #4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 7 Twp. 17s Rge. 21w Co. Ness State Ks.  
 No. of Copies 6 Distribution Sheet \_\_\_\_\_ Yes X No Turnkey \_\_\_\_\_ Yes X No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4322-4401 Drill Pipe Size 4.5 XH  
 Anchor Length 79' Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 4317 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4322 Wt. Pipe I.D. — 2.7 Ft. Run 625  
 Total Depth 4401 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.9 lb/gal. Viscosity 50 Filtrate 11.2

Tool Open @ 11:35 A.M. Initial Blow Weak - building to strong - off bottom of bucket in 13 min.  
 Final Blow Weak - building to strong - off bottom of bucket in 15 min.

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?			
Rec. <u>600</u>	Feet Of <u>WTC. (11-5-)</u>	% gas	% oil	% water	% mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud

BHT 117 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 1.44 @ 76 °F Chlorides 16,000 ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud 2367 PSI Ak1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 111 PSI @ (depth) 4326 w/Clock No. 26191  
 (C) First Final Flow Pressure 200 PSI AK1 Recorder No. 13849 Range 4375  
 (D) Initial Shut-in Pressure 665 PSI @ (depth) 4397 w/Clock No. 26199  
 (E) Second Initial Flow Pressure 244 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 333 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 665 PSI Initial Opening 20 Test 550<sup>00</sup>  
 (H) Final Hydrostatic Mud 2257 PSI Initial Shut-in 30 Jars X

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 30 Safety Joint X  
 Final Shut-in 30 Straddle \_\_\_\_\_  
 Circ. Sub X  
 Sampler \_\_\_\_\_

Approved By [Signature]  
 Our Representative [Signature]

FEB 14 1991

Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

3614

## Test Ticket

Well Name & No. Yawger #H-2 Test No. 1 Date 12-10-90  
 Company Hoffman Petro, Inc. Zone Tested FT. SCOTT  
 Address 1600 Broadway, Denver, Colo. 80202 Elevation 2381 K.B.  
 Co. Rep./Geo. Cliff Ottaway cont. Red Tiger #4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 7 Twp. 17s Rge. 21w Co. Ness State Ks.  
 No. of Copies 6 Distribution Sheet Yes X No Turnkey Yes X No Evaluation

Interval Tested 4290 - 4331 Drill Pipe Size 4.5 XH  
 Anchor Length 41 Top Choke - 1" Bottom Choke - 1/4"  
 Top Packer Depth 4285 Hole Size - 7 7/8" Rubber Size - 6 3/4"  
 Bottom Packer Depth 4290 Wt. Pipe I.D. - 2.7 Ft. Run 625  
 Total Depth 4331 Drill Collar - 2.25 Ft. Run  
 Mud Wt. 9.6 lb/gal. Viscosity 50 Filtrate 9.6

Tool Open @ 3:55 P.M. Initial Blow Weak - building to strong blow - off bottom of bucket in 8 min.  
 Final Blow Weak - building to strong blow - off bottom of bucket in 14 min.

Recovery - Total Feet	Feet of Gas In Pipe	Flush Tool?			
Rec. <u>180</u> Feet Of <u>D.M. (N.S.)</u>		%gas	%oil	%water	%mud
Rec. <u>495</u> Feet Of <u>MDY WTR.</u>		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW 1.45 @ 63.9 °F Chlorides 29000 ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud 2188 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 49 PSI @ (depth) 4294 w/Clock No. 26191  
 (C) First Final Flow Pressure 157 PSI AK1 Recorder No. 13849 Range 4375  
 (D) Initial Shut-In Pressure 561 PSI @ (depth) 4327 w/Clock No. 26199  
 (E) Second Initial Flow Pressure 187 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 295 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 571 PSI Initial Opening 20 Test 550<sup>00</sup>  
 (H) Final Hydrostatic Mud 2137 PSI Initial Shut-In 30 Jars X 200<sup>00</sup>

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Final Flow 30 Safety Joint X 50<sup>00</sup>  
 Final Shut-In 30 Straddle \_\_\_\_\_  
 Circ. Sub X  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ 800<sup>00</sup>

Approved By \_\_\_\_\_  
 Our Representative Don Bangle FFR 5/10/1