

RELEASED

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

Date: MAY 1 1987

FROM CONFIDENTIAL
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

CONFIDENTIAL

SIDE ONE

5-34-17W

4/21/87
KCC
JPC

API NO. 15-033--01.002.
County.....Comanche.....

C... NE... NW... Sec. 5... Twp. 34S Rge. 17W East West

4620' Ft North from Southeast Corner of Section
3300' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

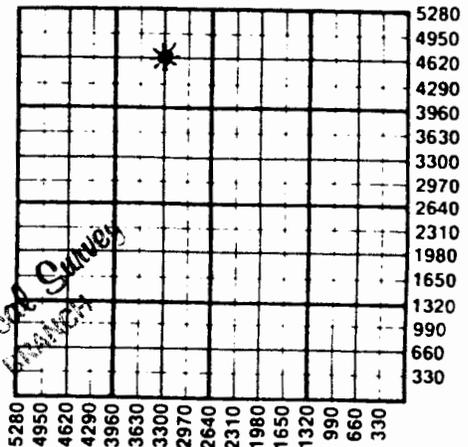
Lease Name.....Harper (WD).....Well # 1.....

Field Name.....Beals.....

Producing Formation.....Wabaunsee.....

Elevation: Ground.....1857'.....KB.....1862'.....

Section Plat



MAR 10 1986
State Geological Survey
WICHITA, KANSAS

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # N/A

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Luana Huck Estate, Coldwater

Division of Water Resources Permit #.....

.....Ft North from Southeast Corner
.....Ft West from Southeast Corner of
Sec Twp Rge East West

.....Ft North from Southeast Corner
.....Ft West from Southeast Corner
Sec 33 Twp 33 Rge 17 East West

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

DESCRIPTION OF WELL AND LEASE

Operator: License # 5140.....
Name Frontier Oil Company
Address 125 N. Market, Ste 1720
Wichita, Ks. 67202
City/State/Zip

Purchaser.....Phenix Transmission Co.....
120 S. Market #320, Wichita

Operator Contact Person Jean Angle
Phone 316-263-1201

Contractor: License # 5302.....
Name Red Tiger Drilling Company

Wellsite Geologist.....Terry Piesker.....
Phone.....913-483-5348.....

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 Pure Oil
Well Name Hazel Beals #1
Comp. Date 12-30-55 Old Total Depth 5940

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

3-16-85... 3-18-85... 1-21-86
Spud Date Date Reached TD Completion Date
3498.60'... 3400'... MAR 5 1986
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 246 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

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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 plugged wells. Submit CP-111 form with all temporarily abandoned wells.

5-34-17W

5-34-17W

HARPER #1
(Completion)

CONFIDENTIAL

Rig 2

- 3-26-85 Moved Rig 2 cable tools from Urban "D" #4 to Harper #1. Rigged up. Ran Gamma Ray and Bond Log. TD 3440'. Top of cement 2410'. Swabbed down to 2500'. Perforated from 3413' to 3420' w/4 shots per ft. D.P.'s. Swabbed well down. No show.
- 3-27-85 Overnight fillup - 1100' water. Swab down - 24.60 Bbl. water. No show of gas. Set 5-1/2" plug at 3400'. Perforated w/2 - 7' guns from 3366' to 3380' w/4 shots per ft. D.P.'s. Swabbed well down and had no show of gas. Treated w/500 gal., 15% regular acid. Max. press. - 700#. Treated at 3 BPM at 325# to 300#. ISIP - 250#. SI overnight.
- 3-28-85 SI Pressure - 100#. Blew down and swabbed to 1800'. Kicking good. Well kicked off and unloaded. Died. Shut in for 30 minutes and built up to 375#. Kicked well off and unloaded. Gauged 765,000 CF/Day and well wet. Blew for 3 hrs and gauged 1,300,000 still wet (mist and dribbling small 1/4 stream). Perforated from 3354' to 3366' w/4 shots per ft. D.P.'s. Shut in 90 minutes to perforate - 875# WHP. Blew well down and left open 2-1/2 hrs - last gauge - 1,160,000 CF/Day, wet (mist w/1/4 stream water).
SIP - 1200#. 20 min open flow - 2,295,000 CF/Day; 1st hr - 1,620,000 CF/Day; 2nd & 3rd hrs - 1,449,000 CF/Day. All tests wet. 4th hr - same. 5th & 6th hrs - 1,404,000 CF/Day. Treated w/250 gal., 15% demulsion and 56 perf. balls. Followed with 1000 gal., 15% demulsion. Max. press. - 500#. Treated at 5 BPM from 200# to 500#. Could not see balls hit. Let set 30 minutes and blow well back. Blew well for 2 hrs. Last hr - 3,672,000 CF/Day.
- 3-30-85 SIP - 1200#. 20 min. open flow - 4,932,000 CF/Day. 1st & 2nd hrs - 4,023,000 CF/Day; 3rd thru 7th hrs - 3,672,000 CF/Day. All tests were 1/4 stream of water and a mist.
- 3-31-85 Shut down.
- 4-1-85 SIP - 1200#. Blew well to atmosphere for 30 minutes. Pumped down well to kill it. Ran 5-1/2" permanent plug and set at 3276'. Perforated from 2866' to 2877' w/4 shots per ft. D.P.'s. Swabbed well down. Slight show of gas. TSTM. 1/2 hr test - dry. Gas TSTM. Treated w/500 gal., 15% demulsion. Hole loaded 6 bbl. late. Max. press. - 325#. Treated at 4 BPM at 325#. ISIP - 200#. On vacuum in 2 minutes. Let set 30 min. and swab load back. After swab down gauged 84,910 CF/Day. 1/2 hr - 34,690 CF/Day - 12 Bbl. water. 1st hr - 26 Bbl. water. After swab down - 84,910 CF/Day.

APR 11 1985
STATE OF KANSAS
WICHITA BRANCH

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH 85

UN Q 2 1987

RECEIVED
STATE CORPORATION COMMISSION

FEB 28 1985

CONSERVATION DIVISION
Wichita, Kansas

CONFIDENTIAL

- 4-2-85 SIP - 250#. Overnight fillup - 2000'; Swab down - 48 Bbl. After swab - 40,450 CF/Day. 1/2 hr test - 12 Bbl. water. Got tubing on location.
- 4-3-85 Ran 5-1/2" packer on 2-3/8" tubing. Set packer at 2910' and tested to 1500#. Held OK. Pulled packer up to 2826' and pressured annulus to 600#. Took injection rate - 3 BPM at 650#. Squeezed w/160 sx common cement. Squeezed to 2500#. Washed up and repressured to 1500#. Released packer and pulled tubing and packer.
- 4-4-85 Drilled up 35' cement.
- 4-5-85 Drilled up 15' of cement and cleaned out to plug. Test perfs and holding OK. Loaded hole and drilled out plug at 3276'. Cleaned out to TD - ~~3440'~~ 3400'. Swabbed well and kicked off for 2 hrs. and well back to normal. Tore down cable tool.

APR 07 1986
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

RECEIVED
STATE COORDINATION COMMISSION

FEB 28 1986

CONSERVATION DIVISION
Wichita, Kansas

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

COPY *And*

Operator: License # 3613

Name: Hallwood Petroleum, Inc.

Address 4582 S. Ulster Street Parkway, #1700

P.O. Box 378111

City/State/Zip Denver, Colorado 80237

Purchaser: Hallwood Petroleum, Inc.

Operator Contact Person: Nonya K. Durham

Phone (303) 850-6257

Contractor: Name: _____

License: _____

Wellsite Geologist: _____

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:

* ALL INFO PROVIDED REPRESENTS FRONTIER OIL'S ACTIONS ONLY

Operator: Frontier Oil Company

Well Name: Harper #1

Comp. Date 1-21-86 Old Total Depth 3498.60

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

~~Spud~~ Date OF START Date Reached TD Completion Date OF
CF WORKOVER WORKOVER

API NO. 15- 033, 01, 0020001

County Comanche

C - NE - NW - Sec. 5 Twp. 34S Rge. 17 X W

4620 Feet from (S) N (circle one) Line of Section

3300 Feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (S), NW or SW (circle one)

Lease Name Harper Well # 1

Field Name Beals

Producing Formation Wabaunsee

Elevation: Ground 1857' KB 1862'

Total Depth 3500' PBTB 3400'

Amount of Surface Pipe Set and Cemented at 246 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 97 8-18-95
(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 Rng. E/W

County Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 Nonya K. Durham

Title Production Technician Date 6/15/95

Subscribed and sworn to before me this 15th day of June, 1995.

Notary Public Judy C. Atkins

Date Commission Expires 4/19/97

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input checked="" type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input checked="" type="checkbox"/> Other (Specify) <u>ES</u>

SIDE TWO

Operator Name Hallwood Petroleum, Inc. Lease Name Harper Well # 1
 Sec. 5 Twp. 34S Rge. 17 East West
 County Comanche

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.)
 List All E.Logs Run:

Log Sample
 Formation (Top), Depth and Datum
 Name Top Datum

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
Production	7 7/8"	5 1/2"	14#	3500'	Common	350	10% SaH

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
4	3354-3366	250 gal. 15% demulsion	3354-3366
4	3366-3380	500 gal., 15% regular acid	3366-3380

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	3380		

Date of First, Resumed Production, SWD or Inj.	Producing Method
1/21/86	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil -0- Bbls.	Gas 3/95 Mcf 2.8	Water Bbls.	Gas-Oil Ratio -0-	Gravity .625

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 3354-3380'
 Other (Specify) _____