

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

15-077-21142 -00-01

ORIGINAL

Operator: License # 05429
Name: Bryce F. Hayes Oil & Gas
Address: P. O. Box 108
West HWY 160
City/State/Zip: Attica, KS 67009-0108
Purchaser: Koch Oil Co. & Peoples Natural Gas
Operator Contact Person: Bryce F. Hayes
Phone (316) 254-7204
Contractor: Name: Jimenez Well Service
License: 03848
Wellsite Geologist: Charles Schmidt-Engineer

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD S1OW Temp. Abd.
 Gas ENHR S1GW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Walden & Applegate, Inc.
Well Name: #1 K.V. Williams

Comp. Date 10-28-86 Old Total Depth _____
 CEMENT SQUEEZE
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

KCC JH
Spud Date 1-28-93 Date Reached TD N/A Completion Date OF 2-2-93
COMMENCEMENT WORKOVER

API NO. 15- _____
County Harper
Lot 2 & SE/4NW/4 Sec. 31 Twp. 31S Rge. 6 W ^E
940 Feet from S/W (circle one) Line of Section
285 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name K.V. Williams Well # 1
Field Name WC
Producing Formation Mississippi
Elevation: Ground 1415' KB 1428'
Total Depth 4750' PBTB 4700'
Conduction at 68' 75sx
Amount of Surface Pipe Set and Cemented at 306'/185sx 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 cat.
Drilling Fluid Management Plan REWORK JH 4-5-94
(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 Bryce F. Hayes
Title Owner/operator Date 1-14-94
Subscribed and sworn to before me this 14 day of January
19 94.
Notary Public Carol F. Hayes
Date Commission Expires 1-15-98

CAROL F. HAYES
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. Jan. 15, 1998

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution 1-18-94
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Original

Operator Name Bryce F. Hayes Oil & Gas

Lease Name K.V. Williams

Well # T 8

Sec. 31 Twp. 31S Rge. 6

East
 West

County Harper

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.)

Log Formation (Top), Depth and Datum Sample

Name Top Datum

List All E.Logs Run: ACOUSTIC CEMENT BOND

*KCC
JH*

CASING RECORD <input 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
Conductor		13 3/8"		68'		75	
Surface	12.25	8 5/8"		306'		185	
Long string	7.875	5 1/2"	14#	4733'		250	

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 checked="" type="checkbox"/> Plug Off Zone	3872-76'	Common	150	NA	

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
4SPF	4326'-31'	500 gal. 15% MCA	
		1250 gal. 10% FE	
		Foam Frac 262 bbls	
		12,000 # sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
		2 3/8"	4441'			
Date of First, Resumed Production, SWD or Inj.				Producing Method		
10-4-93				<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 4 Bbls.	Gas 160 Mcf	Water 230 Bbls. 25/1	Gas-Oil Ratio	Gravity	

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

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval
4326 to 4331'

ALLIED CEMENTING CO., INC.

P.O. BOX 31
RUSSELL, KS 67665

15-077-2142-00-01 CEMENTING LOG

STAGE NO.
ORIGINAL

Date 1-28-93 District Mod. Lodge Ticket No. 2131
Company Rayco Hayes Rig _____
Lease K. Williams Well No. #1
County Hwy 101 State KS
Location _____ Field _____

CASING DATA: PTA Squeeze
Surface Intermediate Production Liner
Size 5/8 Type T-25 Weight 14 Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 2 3/8 Weight 4.7 Collars _____
Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 1.211 Lin. ft./Bbl. _____
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbls/Lin. ft. 0.29 Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
Spacer Type: _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type CLASS A
FL-28 Excess _____
Amt. 5.6 Sks Yield 1.17 ft³/sk Density 15.6 PPG

TAIL: Pump Time _____ hrs. Type CLASS A
FL-28 Excess _____
Amt. 1.6 Sks Yield 1.17 ft³/sk Density 15.6 PPG

WATER: Lead 5.2 gals/sk Tail 5.2 gals/sk Total 10 Bbls.

Pump Trucks Used 255-CLAN BAKING
Bulk Equip. Dean Sateron

Float Equip: Manufacturer _____
Shoe: Type _____ Depth _____
Float: Type _____ Depth _____
Centralizers: Quantity _____ Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. _____
Disp. Fluid Type Fresh H₂O Amt. 2 1/2 Bbls. Weight 8.34 PPG
Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Rayco Hayes

CEMENTER Billy Wierling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
12:30		500		6.5	1.3	3	Rig up and hold safety meeting
12:45		1100		8	2	4	Perfs. 3872' to 3876', load Backside Packer set to Squeeze @ 3872'
1:30		600		10	4	3	Inj Rate 4BPM @ 1100 PSI
1:47		1300		21	1.3	3	Cement w/ 50 Sks CLASS A w/ FL 28
1:48				8	2	4	TAIL In. w/ 100 Sks CLASS A
1:50		1500		1	2	.5	PSI Inc. Cement In. Stop Pumps
1:58		2000		1 1/2	8	.5	WASH out Pump and lines
2:00		2000		5	10	.7	Start Displace, PSI Inc
2:10		1200		10	10	.7	PSI Inc. Squeezed
2:20		600		30	10	1 1/2	Reverse out
2:30							PSI Decrease
							PSI Decrease, tubing washed
							lead
							Pull 7 Jts. tubing
2:50		2000		1/2	3	1	set Packer
3:00		500		-	10	-	Pressure up squeeze OK.
							Shut In

