

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

Operator: License # 31916

Name: H-B Operating Inc.

Address 6331 Turner Way

City/State/Zip Dallas, TX., 75230

Purchaser: Nona as yet

Operator Contact Person: Charles Hicks

Phone (972) 233-1664

Contractor: Name: MURFIM DRILLING COMPANY

License: 30606

Wellsite Geologist: Glen S. Soderstrom

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:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

4/10/96 4/13/96 7/12/96  
Spud Date Date Reached TD Completion Date

API NO. 15- 071-206430000 <sup>642</sup> ORIGINAL

County Greeley

-C-NE Sec. 34 Twp. 16S Rge. 40  E/W

3960 Feet from  N (circle one) Line of Section

1320 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 Tarman Well # 1

Field Name Byerly

Producing Formation Towanda

Elevation: Ground 3631 KB 3636

Total Depth 3050 PBTB 2998

Amount of Surface Pipe Set and Cemented at 258 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1709 Feet

If Alternate II completion, cement circulated from 1709

feet depth to surface w/ 430 sx cmt.

Drilling Fluid Management Plan ALT 2 JH 10-6-97  
(Data must be collected from the Reserve Pit)

Reserve Pit

Chloride content N/A ppm Fluid volume N/A bbls

Dewatering method used Evaporation

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, 130 S. Market - Room 2078, 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 Charles Hicks

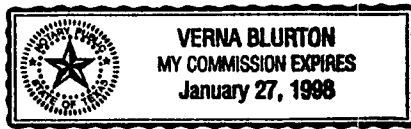
Title President Date 10-3-96

Subscribed and sworn to before me this 3rd day of October, 19 96

Notary Public Verna Burton

Date Commission Expires 1/27/98

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



7601-60-01

SIDE TWO

Operator Name H-B Operating, Inc. Lease Name Tarman Well # 1  
 Sec. 34 Twp. 16S Rge. 40  East County Greeley  
 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Dakota SS	1141	2495
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Stone Corral	2643	993
List All E.Logs Run:		Herington (Wolfcamp)	2860	786
Compensated		Krider	2886	750
Neutron Density -Gamma Ray		Winfield	2908	728
Cement Bond Log		Towanda (pay zone)	2935	701
		Ft. Riley	2966	670
		Florence	3016	620

CASING RECORD <input type="checkbox"/> New <input checked="" 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	12 1/4	8 5/8	24	258	Class A	—	2% cc
Production	7 7/8	4 1/2	10.5	3050	Not Available		
		Port Collar					

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	
	2	2940 - 2951		750 gal 7 1/2% HCC
			9000 gal Frac.	"
			11000 lbs. sand	"

<b>TUBING RECORD</b>	Size 2 3/8	Set At 2941	Packer At None	Liner Run — <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9/23/96 Wait on gas line		Producing Method <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 301 Mcf	Water 80 Bbls.	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: 2940  
2951



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

15-071-20642-00-00

DUNCAN COPY

TICKET

No. 915341 - 9

PAGE 1 OF 2

CHARGE TO: Soderstrom  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

1. <u>Hay</u> <u>2552</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>Tarmer</u>	COUNTY/PARISH <u>Greeley</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>Sharon Springs</u>	DATE <u>7-13-76</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Murkin Digs</u>	RIG NAME/NO. <u>3</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>WELLSITE</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>03</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>API 15-071-206420</u>	WELL LOCATION <u>Sharon</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE	300				2.85	855.00
007-013	001-016	1			Pump Service 1 <sup>st</sup> stage	3050				1500.00	1500.00
007-161		1			Pump Service 2 <sup>nd</sup> stage	1	EA	1		1400.00	1400.00
26	847.6316	1			Insert Float Shoe	1	EA	4 1/2	IN	285.00	285.00
40	806.60004	1			Centrifuges	9	EA	4 1/2	IN	50.00	450.00
27	815.19111	1			Fill up Unit	1	EA	4 1/2	IN	97.00	97.00
32.0	806.71415	1			Cement Basket	1	EA	4 1/2	IN	2789.00	104.00
71	813.56125	1			Multiple Stage Connector	1	EA	4 1/2	IN	2789.00	2787.00
75	813.16410	1			Plug Set - Free Fall	1	EA	4 1/2	IN	450.00	450.00
018-315		1			MUD FLUSH	500	Gal			65	325.00
500-959		1			SUGAR	10	Lb			4.99	4.99

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to. **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Dale P. Jewett  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	8207.99
FROM CONTINUATION PAGE(S)	10414.99
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	18622.98

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES**

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>DALE P. JEWETT</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <u>Dale P. Jewett</u>	HALLIBURTON OPERATOR/ENGINEER <u>GAIL PALMBERG</u>	EMP # <u>41489</u>	HALLIBURTON APPROVAL <u>CAF</u>
--	---	---	-----------------------	------------------------------------



**WELL DATA**

FIELD \_\_\_\_\_ SEC. 34 TWP. 16 RNG. 11 COUNTY Greene STATE Pa

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT 1737

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 435

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		9.5	4 1/2			
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1713</u>	DATE <u>412</u>	DATE	DATE
TIME <u>1415</u>	TIME <u>1700</u>	TIME	TIME

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API \_\_\_\_\_

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 2 STAGE  
Production casing

CEMENT DID NOT CIRCULATE

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Carl Pulenberg

COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>2</u>	<u>430</u>	<u>HIC</u>		<u>5</u>	<u>4 1/2 Fluor. L.L.</u>	<u>173</u>	<u>16.7</u>
<u>1</u>	<u>170</u>	<u>Blends 1</u>		<u>2</u>	<u>770 lb. of 157 Salt</u> <u>4 1/2 B. 4 1/2 lb</u> <u>1/2 200 lb</u>	<u>135</u>	<u>16</u>

**PRESSURES IN PSI**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 32 REASON shut in

**SUMMARY**

PRESLUSH: BBL.-GAL. 12 TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 78

CEMENT SLURRY: BBL.-GAL. 182

TOTAL VOLUME: BBL.-GAL. 227

REMARKS SEE JOB LOG



JOB LOG HAL-2013-C

CUSTOMER Soderstrom	WELL NO. 1	LEASE TARMAN	JOB TYPE 2 1/2" - Prod use	TICKET NO. 713241
------------------------	---------------	-----------------	-------------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1415							Called out ORIGINAL
	1700							On Location w/ FE Rig Laying down D.C. 2 Start Used 4 1/2" 9.5#/ft Csg
	2055							Pump Truck - Cement On Location
	2115							Insert float shoe @ 3049' Baffle 3016' ES TYPE Cement @ 1709' Drop ball For Insert fillup Casing on bottom Rig up to Circulate Rig up to Pump Truck
	2330		12			300		Pump Mud flush
	2335	4 1/2				400		Start mixing cement 170 sks Standard 7% Calseal 15% Salt, 6 1/2% HALAD-322 1/4" D-Par-1 / sk
	2345		42			300		CEMENT mixed Wash out Pump-line
	2347							Release Plug
	2347					200		Start Displacement
	2357					1200		Plug down Release Pressure - Float Held Circulated throughout 1 <sup>st</sup> Stage Drop Free Fall Plug
	0010					900		OPEN DV TOOL Circulate w/ Rig Pump Wash up Equipment Start 2 <sup>nd</sup> Stage
		5 1/2				300		Start mixing cement 430 sks HLC w/ 1/4" Flocele /sk
						500		Cement mixed
	0150		140					Release Plug Start Displacement
	0156	5	23			2200		Plug down CEMENT DID CIRC Release Pressure - 135 sks HLC
								WASH up ' RACK up Job Completed

Thank you, Neal, Long, Waynes, Mel  
CUSTOMER

15-071-20442-00-00

**H-B OPERATING, INC.**  
6331 Turner Way  
Dallas, Texas 75230

October 2, 1997

Mr. Jim Hemmen, Research Analyst  
Kansas Corporation Commission  
Conservation Division, Wichita State Office Bldg.  
130 S. Market, Room 2078  
Wichita, Kansas 67202-3802

Re: Tarman #1, Section 34 - 165 - 40W  
Greeley County, Kansas

Dear Mr. Hemmen:

Per your request, please find enclosed the Bond log on the above referenced well. Also, you requested drilling information. The drilling contractor for the subject well was:

Murfin Drilling  
250 N. Water, #300  
Wichita, Kansas 67202

Further, I am in the process of having an open-flow test done on this well, in response to the letter to Ferguson Production Company from Mr. William J. Wix, dated September 3, 1997.

Sincerely,

  
Charles Hicks

CH:jw  
enclosure