

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

Operator: License # 5537
Name: Kenneth O Brown Estate
Address: P O Drawer 340
Plainville, Kansas 67663
City/State/Zip
Purchaser:
Operator Contact Person: Stephen Ruder
Phone (913) 434 7236
Contractor: Name: C & L Well Service
License:
Wellsite Geologist: ORIGINAL

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/Re-Entry: old well info as follows:
Operator: Kenneth O Brown Estate
Well Name: Hindman SWD # 3
Comp. Date 2-5-64 Old Total Depth 1500'
 CEMENTED LINER IN PLACE
Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBTB
Commingle Docket No.
Dual Completion Docket No.
 Other (SWD or inj?) Docket No. D-10,830
5-25-95 5-31-95 93
Date OF START OF WORKOVER Date Reached TD Completion Date OF WORKOVER

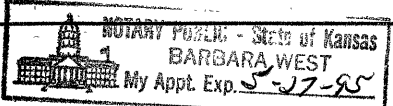
API NO. 15- (Docket No. D-10,830) 15-163-19071-00, 01
County Rooks
SE NW NE Sec. 36 Twp. 6 Rge. 20
4290 Feet from NW (circle one) Line of Section
1650 Feet from W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, NW or SW (circle one)
Lease Name Hindman Well # SWD #3
Field Name Slate
Producing Formation Cedar Hill Disposal
Elevation: Ground 2056 KB 2059
Total Depth 1700 PBTB 1500'
Amount of Surface Pipe Set and Cemented at 151 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/ _____ ST _____

Drilling Fluid Management Plan REWORK J 7-28-95
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Desludging method used Vacuum
Location of fluid disposal if hauled offsite:
Operator Name Kenneth O Brown Estate
Lease Name Hindman License No. 5537
NE Quarter Sec. 36 Twp. 6 S Rng. 20 E
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 Wade E Brown
Title Executive & Operator Date 6-20-94
Subscribed and sworn to before me this 20th day of June 19 94.
Notary Public Barbara West
Date Commission Expires _____



STATE CORPORATION COMMISSION RECEIVED JUN 22 1994

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Report Received
 Geologist Report Received
 Distribution
 KCC
 KGS
 NGPA
 Other (Specify) _____
Copy in UTC

Operator Name Kenneth O Brown Estate

Lease Name Hindman

Well # SWD 3

Sec. 36 Twp. 6 Rgs. 20 East West

County Rooks

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 sheets 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 Formation (Top), Depth and Datum. Sample
 Name Top Datum

Run and cemented 2 7/8" tubing for liner inside of 4 1/2" casing, set @ 1201'

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
					HLC	50	1/4# flocele
liner		2 7/8" tubing	6.5	1201	Standard	75	

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

TUBING RECORD Size 2 7/8" Set At 1201' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 5-31-94 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil _____ Bbls. Gas _____ Mcf Water _____ Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: Vented Sold Used on Lease

METHOD OF COMPLETION Cedar Hill Disposal Open Hole Perf. Dually Comp. Commingled

Production Interval _____

State copy

JOB LOG FORM 2013 R-4

DATE 5-27-94 PAGE NO. 1

CUSTOMER: Kenny Brown WELL NO.: SWD-3 LEASE: Hindman JOB TYPE: Squeeze TICKET NO.: 663992

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	0745							on location w/ stripper head
	0950							RIG up Power swivel ST Drilling cement at approx 985' circ w/ Pump Trk while Drilling Drilled down to 1162
	4 10							TEST squeeze to 200 lost 25 PSI / 5 min. sb leak at head rubber
	4 20							ST Drilling Drill to 1190 start jelling sand wash sand to 1209' clean up hole
	5 00							Pull bit to run 2 7/8" cement in hole order 50 SKS HLC 1/4" # floccle 75 SKS
	7 50							Cement on location
	8 30							Tbg in hole open ended to 1201' circ hole w/ water
	8 45					100		ST mixing 50 SKS HLC w/ 1/4" # floccle + 75 SKS std cement
						100		Finish mixing cement cement circ to surf wash out Pump & Line
	9 17					200		ST Disp Finish Disp
						300		Take 30 min MIT.
	9 45					300		Shut in Tbg & Release PSF circ approx 25 SKS HLC cement to Pit
	10 30							JOB complete

ORIGINAL

Thank you! Lenny & Crew

CUSTOMER *Kenny Brown Ent.*

WELL NO. *SWD-3*

LEASE *Hindman*

JOB TYPE *Liner*

TICKET NO. *663992*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
<i>1</i>	<i>10:30</i>							<i>ON location w/ 2 7/8 x 5 1/2 cup type Packer shoe</i>
	<i>1400</i>							<i>RIG sand pumping fill up out of well</i>
	<i>15:25</i>							<i>ST Cup type PKR shoe + Tbg in hole</i>
	<i>15:30</i>							<i>PKR shoe at 1217 Pump Tbg up</i>
								<i>Drop shut OFF Ball</i>
								<i>Pump 20 BBL water down Tbg well won't not circ</i>
	<i>16:00</i>							<i>Pull to 1157 + try to circ hole no luck</i>
								<i>mix 5 SKS Gel + pump down hole</i>
	<i>16:30</i>							<i>still could not circ hole</i>
								<i>Pull PKR shoe out of hole</i>
								<i>will spot sand over perf + so up</i>
								<i>+ CNT open end Tbg in well if hole will circ</i>
	<i>12:30</i>							<i>shut Down FOR Day</i>
	<i>0800</i>							<i>ON location</i>
								<i>Tag sand w/ wireline at 1187</i>
								<i>Run in hole with PKR ball plugged on end</i>
								<i>with Perf sub on top of PKR</i>
								<i>Pump down Tbg + try to circ hole could not</i>
								<i>Pull Tbg out of hole</i>
								<i>Pump Flag on wireline hole at 1145</i>
	<i>13:30</i>							<i>Decide to squeeze down 5 1/2 CSG</i>
								<i>Pump 225 SKS std w/ 200 # huls + 1 SK CC in 1st 25 SKS</i>
								<i>with approx 225 SKS Pumped squeezed</i>
								<i>600 to 600 PSI</i>
	<i>14:40</i>							<i>stage to get line at 600</i>
								<i>wash down Tbg to approx 1000'</i>
	<i>17:00</i>							<i>could not wash anymore</i>
								<i>circ hole clean + pull Tbg</i>
	<i>17:30</i>							<i>will drill CNT a.m.</i>
								<i>shut Down FOR Day</i>

ORIGINAL

JOB LOG FORM 2013 R-4

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Kenny Brownenter		#3 SWD		Hindman		squeeze		663992	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
1	1800								called out 5-23-94
	0730								on loc w/ 5 1/2 Rths + RBP stripper head + sp manifold - 2 sts saved
	0820								Pump on loc setup + Plan Job start tools in hole fully thgt tools
									Plug @ 1108' Rths @ 1069
	0953	1/2	5			200 [#]			1 1/2 BPM @ 200 [#]
						200 [#]			PSI on ANN 200 [#] Loose 100 [#] in Turin - bleed off AIR
						200 [#]			PSI on ANN shut valve on manifold
						300 [#]			TRK OK
						200 [#]			open valve loose 100 [#] PSI holds 200 PSI
						200 [#]			Run PKR down to 1098-
	1015	1/2				200 [#]			Plug @ 1108' - TEST - 1/2 BPM 200 [#]
	1035								move tools Plug @ 1036
		1/4				1000 [#]			PKR @ 1004' Pop hole in csj 1/4 BPM @ 200 [#]
									move Plug to 1210' - PKR @ 1163
	1100	2 3/4				175 [#]			Load Hole w/ 3 AN's Pump it cir well - 2 3/4 BPM @ 175 [#]
									Pull tools
									tools stack out @ 1220' +

ORIGINAL

WELL DATA

FIELD _____ SEC 36 TWP. 6 RNG. 20 COUNTY Rooks STATE Ks

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 RHS "AJ" _____ 1163'

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA RBP "BU" _____ TOTAL DEPTH 1216'

JOB DATA

TOOLS AND ACCESSORIES

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

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-23-94</u> TIME <u>1800</u>	DATE <u>5-24-94</u> TIME <u>0230</u>	DATE <u>5-24-94</u> TIME <u>0820</u>	DATE <u>5-27-94</u> TIME <u>2030</u>

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
<u>A. F. Worth #86101</u>	<u>P.U. 40087</u>	<u>Hays Ks</u>
<u>M. Ke Groat #1231</u>	<u>P.T. 51145</u>	<u>Hays Ks</u>
<u>D. Ask #1609</u>	<u>B.T. 3860</u>	<u>Hays Ks</u>
<u>L. Dinkel #2150</u>	<u>P.U. 37537</u>	<u>Hays Ks</u>
<u>M. Karlin #1511</u>	<u>B.T. 3860</u>	<u>Hays Ks</u>

DEPARTMENT Tools Dept

DESCRIPTION OF JOB Run 5/8" RHP To Isolate casing leak

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE X Steve Ruder

HALLIBURTON OPERATOR A. F. Worth COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK	MIXED LBS./GAL
<u>1</u>	<u>225</u>	<u>std</u>		<u>B</u>		<u>1.18</u>	<u>15.6</u>
<u>2</u>	<u>50</u>	<u>HLC</u>		<u>B</u>	<u>1 1/2 #5 bcele</u>	<u>1.97</u>	<u>12.4</u>
<u>2</u>	<u>75</u>	<u>std</u>		<u>B</u>		<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL.: BBL.-GAL. _____

CEMENT SLURRY: BBL.-GAL. _____

TOTAL VOLUME: BBL.-GAL. _____

REMARKS See Job Log + Chart

CUSTOMER Kenny Brown LEASE Hudman WELL NO. A3500 JOB TYPE Pressure DATE 5-24-94