

CONFIDENTIAL
ORIGINAL

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

API NO. 15- 199-20216-00-00
County Wallace
C - NE - NE - SW Sec. 31 Twp. 15S Rge. 41W E

Operator: License # 05152

2310' Feet from (S) N (circle one) Line of Section

Name: Lee Banks d/b/a Banks Oil Company

2970' Feet from (E) W (circle one) Line of Section

Address 200 W. Douglas, Suite 550

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

Wichita, KS 67202

Lease Name Smotherman Well # 1-31

City/State/Zip

Field Name wildcat

Purchaser: Koch Oil Company

Producing Formation Morrow

Operator Contact Person: Lee Banks

Elevation: Ground 3782' KB 373787

Phone (316) 267-0783

Total Depth 5176' PBD 5120

Contractor: Name: Murfin Drilling Co, Inc.

Amount of Surface Pipe Set and Cemented at 340 Feet

License: 30606

Multiple Stage Cementing Collar Used? X Yes No

Wellsite Geologist: Kevin Davis

If yes, show depth set DV 1961 Feet

Designate Type of Completion

If Alternate II completion, cement circulated from DV tool
10 bbls cement circ.

X New Well Re-Entry Workover

feet depth to surface w/ 315 Sx HLC & 50/std, 2%cc
sx cat.

X Oil SWD S10W Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ALT 2 9-22-94
(Data must be collected from the Reserve Pit)

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

Chloride content 5000 ppm Fluid volume 300 bbls

Operator:

Dewatering method used natural dehydration

Well Name:

Location of fluid disposal if hauled offsite:

Comp. Date Old Total Depth

RELEASED

Deepening Re-perf. Conv. to Inj/SWD

Operator Name n/a

Plug Back PBD

Lease Name JUN 1 4 1996 License No.

Commingle Docket No.

Quarter S Rng. E/W

Dual Completion Docket No.

County Docket No.

Other (SWD or Inj?) Docket No.

4-6-94 4-15-94 4-18-94
Spud Date Date Reached TD Completion Date

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 [Signature]

Title owner Date May 17, 1994

Subscribed and sworn to before me this 17th day of May 19 94.

Notary Public [Signature]

Date Commission Expires August 28, 1996

DARLENE J. MAY
Notary Public - State of Kansas
My Appt. Expires

RECEIVED
K.C.C. OFFICE USE ONLY
STATE CORPORATION COMMISSION
Letter of Confidentiality Attached
Wireline Log Received
Geologist Report Received
MAY 18 1994
Distribution
KCC CONSERVATION DIVISION NSGA
KGS Wichita, Kansas Other
(Specify)

Operator Name Lee Banks d/b/a Banks Oil Co. Lease Name Smotherman Well # 1-31
 Sec. 31 Twp. 15S Rge. 41W County Wallace
 East 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<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	Topeka	3912 (- 125)	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	4069 (- 282)	
List All E.Logs Run:	Dual Comp. Porosity Log	Lansing	4181 (- 394)	
Dual Induction Log		Marmaton	4496 (- 709)	
		Cherokee	4702 (- 915)	
		Atoka	4820 (-1033)	
		Morrow Sh.	4940 (-1153)	
		Lower Morrow SS	5030 (-1243)	
		Morrow Lime	5061 (-1274)	
		Mississippi	5132 (-1345)	
		Total Depth	5174	

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
Surface	12 1/4"	8-5/8" (new)	25#	340	60-40	225	2% gel 3% CC
Production	7-7/8"	5 1/2 (used)	15.5#	5175	STD	175	3% CC

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		Amount and Kind of Material Used	Depth
4	5030-5034		36 gram charge	
4	5032-5036		36 gram charge	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-7/8"	5058.81			
Date of First, Resumed Production, SMD or Inj.		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
May 8, 1994						
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls. Gas-Oil Ratio Gravity
	94		TSTM		-0-	

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Cemented

Production Interval: 5030-5036

Phone 913-483-2627, Russell, KS
 Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

15-199-20216-00-00
 Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

7579

ORIGINAL 4-7-94

new

Date	4-6-94	Sec.	31	Twp.	15	Range	41	Called Out		On Location	7:45 PM	Job Start		Finish	1:00 PM
Lease	Smotherman	Well No.	1-31	Location	Sharon Springs Sta. C.L.			County	Wallace	State	Kan				
Contractor	Murfin Dals Co #3											Owner	11W-13N		
Type Job	Surface														
Hole Size	12 1/4	T.D.	340'												
Csg.	8 5/8	Depth	340'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth	CONFIDENTIAL												
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace	✓												
Perf.															

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Lee Banks Oil Co.
 Street 200 West Douglas, Suite 550
 City Wichita State Kan 67202

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X *Keith Van Buren*

CEMENT

Amount Ordered	225 sks 60% topoz, 3% cl-2% cl		
Consisting of			
Common	135	sk	2 6.25
Poz. Mix	90	sk	2 3.00
Gel.	4	sk	2 9.00
Chloride	7	sk	2 25.00
Quickset			

EQUIPMENT

Pumptrk	No.	Cementer	Walt
	191	Helper	
Pumptrk	No.	Cementer	Steve
		Helper	
Bulktrk	212	Driver	
		Driver	

Handling	1.00 per sk	225.00
Mileage	4¢ per sk/mile	666.00
74 miles		
Sub Total		2,296.25

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JUN 1 1996

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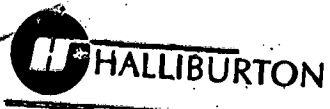
DEPTH of Job

Reference:	Pumptruck	430.00
	8 5/8 Wooden Plus	42.00
	2.25 per mile	166.50
	39¢ per Ft @ 300'	15.00
	Sub Total	654.10
	Tax	
	Total	654.10

Remarks:
 Cement Dred Circle
 3-BBL

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 18 1994
 CONSERVATION DIVISION
 Wichita, Kansas

Thaler Co.



JOB SUMMARY

HALLIBURTON DIVISION **Mid Cont**
HALLIBURTON LOCATION **Oberlin KS**

15-199-20216-00-00

BILLED ON TICKET NO. **663159**

FIELD **SW Sharon Springs KS**

SEC. **31** TWP. **15S** RNG. **41W**

WELL DATA

COUNTY **Wallace** STATE **KANSAS**

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 _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH **5174**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	15 1/2	5 1/2	KB	5171	
LINER						
TUBING			7 7/8	KB	5174	
OPEN HOLE						
PERFORATIONS						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE Insert Float Shoe 5 1/2"	1EA	Howco
GUIDE SHOE		
CENTRALIZERS S-4 5 1/2"	6EA	
BOTTOM PLUG		
TOP PLUG DV Plug Set 5 1/2"	1 set	
HEAD Rotating 5 1/2"	1EA	
PACKER Cmt Basket 5 1/2"	1EA	
OTHER Multi Stage Cmt 5 1/2"	1EA	

JOB DATA

CALLER	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 4-15-94	DATE 4-15-94	DATE 4-15-94	DATE
TIME 0200	TIME 0730	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. Moore	38422	
B4685	P.U.	Oberlin KS
J. Alstrom	2593	
66382	HT-400RCM	Oberlin KS
K. Legg	3446-763	
73140	Bulk Tk	Oberlin KS
G. Kingston	4037-1151	
F 4880	Bulk Tk	Hamard CO

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

SURFACTANT TYPE _____ GAL. _____

NE AGENT TYPE _____ GAL. _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____

GELLING AGENT TYPE _____ GAL.-LB. _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____

BREAKER TYPE _____ GAL.-LB. _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

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DEPARTMENT **Cement**

DESCRIPTION OF JOB **Cmt Prod. Csg - Two Stage**

FROM CONFIDENTIAL

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

CUSTOMER REPRESENTATIVE **X [Signature]**

HALLIBURTON OPERATOR **Jack Moore**

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	175	Std			3% KCL .75% Halad 322	1.19	15.7
2	315	HLC			Neat	1.69	13.1
2	50	Std			2% CC	1.18	15.6

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BEAKDOWN _____ MAXIMUM _____

FRACURE GRADIENT _____

5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

REASON **Shoe Joint**

SUMMARY

PRESLUSH: BBL-GAL **500** TYPE **Mud Flush**

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

TREATMENT: BBL-GAL _____

CEMENT SLURRY: BBL-GAL **37, 94.8 HLC, 10.5 Std** DISPL: BBL-GAL **125.4**

TOTAL VOLUME: BBL-GAL _____

REMARKS

See Job Log

Thank you

MAY 18 1994

CONSERVATION DIVISION Wichita, Kansas

Original is made in Houston, Texas
 Banks Oil Co
 Lease Smotherman
 WELL NO. 1-31
 JOB TYPE Cmt. Prod. Csg

15-199-20216-00-00

DATE 4-15-94

CUSTOMER Banks Oil Co. WELL NO. 1-31 LEASE Smotherman JOB TYPE Cmt. Prod. Csg. TICKET NO. 663159

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							Called out - Ready @ 0800
	0730							On location - Rig pulling drill pipe
	1120							Finish laying down collars - change over to run casing.
	1200							Start Casing Jts Used 14#/ft 5 1/2" Casing. Insert valve float shoe on bottom of 32 1/2' Shoe Joint. Shut off baffle in top of Shoe Joint. 1 EA Centralizer on top of 1st, 4th, 6th, 10th, 13th + 88th Joints 1 Cement Basket on 86th Jt. D.V. Tool in top of 87th Joint. D.V. @ 1959'. Howco Weld top + bottom of DV Tool
	1352							Install DV Tool on top of 87th Jt
	1440							5 Jts left to run - drop ball
	1451							Finish casing - Hook up rotating head + plug container
	1503							Rig circulate - Pump ball through insert @ 200psi. Csg. Wash of Jt. Turn
	1545							Hook up to Howco - Run Casing
	1550	5					100	Start Fresh water spacer
	1552	5	5 WTR				100	Finish Spacer - Start 500gal Mud Flush
	1556	5	12 MF				100	Finish Mud Flush - Start 3bbl Spacer
	1559	5	3 WTR				100	Finish Spacer - Start Cement 175 sks Stdw. 3% KCL + .75% Halad. 322
	1607	5	37 CMT				0	Finish cement - Shut down
	1607							Wash up pump + lines
	1610	6 1/2					0	Release plug + start disp 76 bbl Fresh water first 46.3 bbl Drilling Mud
	1627	5 1/2	101				650	Caught Pressure

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Cont. Pg. 2

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MAY 18 1994

CONSERVATION DIVISION Wichita, Kansas

15-199-20216-00104-15-94

DATE
4-15-94

CUSTOMER: **Banks Oil Co.** WELL NO.: **1-31** LEASE: **Smotherman** JOB TYPE: **Cmt. Prod. Csg.** TICKET NO.: **663159**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T.	C.	TUBING	CASING	
	1632	5	122				650	Pressure + Rate
	1632	5	123				1050	Plug down - Holding
	1636						1050	Release - Held
	1640							Drop opening Bomb
	1700						1300	Open DV
	1703							Rig Circulate
	1720							Hook up to Howco
	1723							Start 10 bbl Fresh water spacer
	1725		10 wt					Finish Fresh Water
	1727							Start Cement - 35 sks HLC
	1743		94.8					Finish HLC - Start 50 sks
			0					std w 2% CC
	1746		10.5					Finish cement - shut down
	1747							Release plug + start disp
	1748	5	6				300	Caught Pressure
	1755	5	36 1/2				550	Cement Circulated
	1757	5	46				650	Pressure + Rate
	1757		46.6					Plug down - Holding
	1804							Release - Held
	1806							Wash up + truck
	1815							Rack up
	1835							Job Complete
								Circulated 10 bbl Cement
								Jack Moore, Halliburton Energy Ser.
								Keith Van Pelt

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MAY 18 1994

CONSERVATION DIVISION
Wichita, Kansas