

STATE OF KANSAS
 STATE CORPORATION COMMISSION
 130 S. Market, Room 2078
 Wichita, KS 67202

WELL PLUGGING RECORD
 K.A.R.-82-3-117

API NUMBER 15-16321244-0000

LEASE NAME Werner (Joe)

WELL NUMBER 2

4950 Ft. from S Section Line

1980 Ft. from E Section Line

SEC. 7 TWP. 9 RGE. 18 (E) or (W)

COUNTY Rooks

Date Well Completed 5-26-80

Plugging Commenced 7-13-00

Plugging Completed 7-13-00

TYPE OR PRINT
 NOTICE: Fill out completely
 and return to Cons. Div.
 office within 30 days.

LEASE OPERATOR Bowman Oil Company

ADDRESS 805 Codell Rd., Codell, KS 67663

PHONE# (785) 434-7202 OPERATORS LICENSE NO. 6931

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on 7-12-00 (date)

by Richard Williams (KCC District Agent's Name).

Is ACO-1 filed? Yes If not, is well log attached? _____

Producing Formation LKC Depth to Top 3240 Bottom 3401 T.D. 3459

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
LKC	Oil & water	3211	3455	8 5/8	200.97	None
				5 1/2	3459.29	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plug were used, state the character of same and depth placed, from ___ feet to ___ feet each set
Perforated 1950 - 1450 - 800' Ran tubing to 2500 and spotted 80 sx Pull
to 1500 & circulated cement with 160 sx and 200 lbs hulls. pulled out, put
25 sx cement & 100lbs hulls in 5 1/2, pressured to 500 lbs. put 40 sx
and 100 lbs hulls in annualls, pressure 700psi

Name of Plugging Contractor Allied Cementing License No. _____

Address Box 31, Russell, KS 67665

RECEIVED
 STATE CORPORATION COMMISSION
8/14/00
 AUG 4 2000

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Bowman Oil Co

STATE OF Kansas COUNTY OF Rooks, ss.

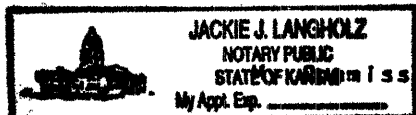
CONSERVATION DIVISION
 Wichita, Kansas

Louis D Bowman (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) Louis D Bowman

(Address) Codell, KS

SUBSCRIBED AND SWORN TO before me this 3rd day of August, 2000



Jackie J. Langholz
 Notary Public

ALLIED CEMENTING CO., INC.

4889

Federal Tax I.D.#

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT

Russell

DATE <u>7/13/00</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>8:50 A.M.</u>	JOB START	JOB FINISH <u>4:20 P.M.</u>
LEASEE <u>Joe Werner</u>		WELL # <u>2</u>	LOCATION <u>P.ville 3w 4N 14w</u>	COUNTY <u>Rooks</u>		STATE <u>Ks.</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)			S Int				

CONTRACTOR <u>Bill's</u>	OWNER
TYPE OF JOB <u>OND</u>	
HOLE SIZE _____ T.D. _____	CEMENT
CASING SIZE <u>5 1/2"</u> DEPTH _____	AMOUNT ORDERED <u>300 60/40 10% Gel</u>
TUBING SIZE <u>2 1/2"</u> DEPTH _____	<u>400 # Halls</u>
DRILL PIPE _____ DEPTH _____	<u>USED 305 SX</u>
TOOL _____ DEPTH _____	
PRES. MAX _____ MINIMUM _____	COMMON <u>183</u> @ <u>6.35</u> <u>1162.05</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>122</u> @ <u>3.25</u> <u>396.50</u>
CEMENT LEFT IN CSG. _____	GEL <u>24</u> @ <u>9.60</u> <u>199.50</u>
PERFS. <u>1950', 1450', 600'</u>	CHLORIDE _____ @ _____
DISPLACEMENT _____	<u>Halls 04</u> @ <u>15.50</u> <u>62.00</u>
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Paul</u>	
# <u>153</u> HELPER <u>Clay</u>	
BULK TRUCK	
# <u>254</u> DRIVER <u>Shane</u>	HANDLING @ <u>1.05</u> <u>320.25</u>
BULK TRUCK	MILEAGE <u>44/SK / MILE</u> <u>402.60</u>
# <u>213</u> DRIVER <u>Lon</u>	TOTAL <u>2542.90</u>

REMARKS:
 The @ 2500 spot 80 SK. All to 2000. Circulate cement w/ 100sx and 200 # Halls. Come out w/ the first to 50'. Mixed 25 SX w/ 100 # Halls. Press to 80 psi. Shut in @ 400 psi. Tool to 200 psi. Shut in @ 200 psi.

SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>450.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>33</u> @ <u>3.00</u> <u>99.00</u>	
PLUG _____ @ _____	
TOTAL <u>549.00</u>	

CHARGE TO: Bowman Oil

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
TOTAL _____	

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
 STATE CORPORATION COMMISSION
 PRINTED NAME _____

AUG 4 2000

CONSERVATION DIVISION
 Wichita, Kansas

L-K Wireline, Inc. Acid

P.O. Box 1188--Hays, KS 67601

Invoice

DATE INVOICE NO.

07/17/'00 W12369

BILL TO

Bowman Oil Company
805 Codell Road
Codell, Ks 67663

P.O. Box 1188
East Highway 40
Hays, KS 67601
Phone: 785-625-6877
Fax: 785-625-6579
Toll Free: 1-800-875-6876

YOUR P.O. #	LEASE&WELL	LEGAL DESCRIPTION	
	Werner #2	Rooks Co. Ks	
DESCRIPTION	QTY	RATE	AMOUNT
Ticket #12369 Date 7-13-00			
Service Charge		300.00	300.00
Jet Perforating (MIN. 10 Holes)		460.00	460.00
Perfs: 3 ea @ 1950', 1450', 800'			
Subtotal			760.00
State Sales Tax		4.90%	37.24
		Total	\$797.24

A 15% discount is allowed if paid within 30 days of invoice date ONLY if account is current.

Terms: Invoice Total Due 30 Days after Invoice Date. Finance Charges of 1.5% (18% APR) will be added to unpaid invoices after 60 days.

Pt.

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG



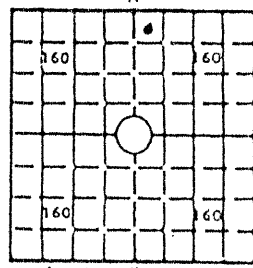
S. 7 T. 9 R. 18 W

Loc. NW, NW, NE

API No. 15 County Number

County ROCKS

640 Acres



Locate well correctly

Elev.: Gr. 2032

DF 2035 KB 2037

Operator OZARK Enterprises
 Address Box 427, Logan, KS 67646
 Well No. 2 Lease Name WERNER
 Footage Location 330' 2310'
feet from (N) 154 line feet from (E) 107 line
 Principal Contractor _____ Geologist CALVIN NOAH
 Spud Date 5-20-81 Date Completed 5-26-81 Total Depth 3459 P.B.T.D. _____
 Directional Deviation _____ Oil and/or Gas Purchaser CRA

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
<u>Surface</u>	<u>12 1/4</u>	<u>8 5/8</u>	<u>20#</u>	<u>207'</u>	<u>60-40 Poz</u>	<u>140</u>	<u>2% gel</u>
<u>Production</u>	<u>7 7/8</u>	<u>5 1/2</u>	<u>14#</u>	<u>3454'</u>	<u>60-40 Poz</u>	<u>150</u>	<u>2% gel, 10% SAH</u>

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at
<u>2 1/2"</u>	<u>3450</u>	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

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INITIAL PRODUCTION

Date of first production _____ Producing method (flowing, pumping, gas lift, etc.) _____

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCFB	bbls.	CFPB

Disposition of gas (vented, used on lease or sold) _____ Producing interval(s) _____

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

South well

Operator OZARK Enterprises		DESIGNATE TYPE OF COMP. OIL, GAS, DRY HOLE, SWDW, ETC. OIL	
Well No. 2	Lease Name Werner		
S <u>7</u> T <u>9</u> R <u>18</u> ^W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	DEPTH
ANHYDRITE	1448	589	554
TOPEKA	1483	-924	924
Heebner	2961	-1133	
TORONTO	3192	-1155	
L-KC	3211	-1174	
BKC	3421	-1392	
ARBuckle	3455	-1418	
RTD.	3459	-1422	

OPERATOR: Ozark Enterprises

WELL NAME: Joe Werner # 2 LOCATION: NW/4 NW/4 NE/4 7-9S-18W

COUNTY: Rooks STATE: Kansas

WELL COMMENCED: May 21, 1981 WELL COMPLETED: May 26, 1981

ELEVATION: 2037' K.B. TOTAL DEPTH: 3459'

PRODUCTION: Oil RIG NO: 14

CASING - 8 5/8": Tally @ 200.97' Set @ 207' cemented with 135 sxs 60-40 poz 2% gel 3% cc
P.D. @ 2:15 A.M. 5-22-81
5 1/2": New 144# 85 Jts. Tally @ 3459.29' Set @ 3457' cemented with 180 sxs 60-40
10% salt P.D. @ 8:30 P.M. 5-26-81

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	98'	sand and top soil		
98'	207'		207' - 1 - degree	
207'	249'	shale and sand		
249'	1449'	shale and sand		
1449'	1479'	Anhydrite		
1479'	1485'	Anhydrite		
1485'	1858'	shales		
1858'	2066'	shale	1861' - 1 3/4 - degree	
2066'	2379'	shales		
2379'	2538'	shales	2405' - 1 3/4 - degree	
2538'	2793'	shale		
2793'	2898'	shale and lime		
2898'	2993'	shale and lime		
2993'	3003'	shale and lime		
3003'	3183'	shale and lime		
3183'	3323'	shale and lime		
3323'	3434'	lime and shale		
3434'	3459'	lime and shale	3459' - 1 - degree	
3459'	RTD			

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MAY 26 1981
COMMISSIONER OF GEOLOGY

Sqz. csg. w/
SX

PLUGGING WORKSHEET

Lease: Worren Well #: 2

Legals: NW NW NE/4 7-9-18

Estimated Cement & Blend Needed:

Order 275 sx. 60/40 poz

10 % gel with 1/4 F.C.

Plus 600 # hulls, sx gel

Comments:

Perforate same day as plugging
if tubing is "not" used.

Use tubing w/high fluid, holes in
csg. +/- or perfs shutoff.

Use of casing permitted w/low
fluid + open perfs.

W.L.M. _____ T.O.F. _____

Perf: SMT 1950' Anting 145

DAKOTA 800'

SURFACE
PIPE
Int. 50'
below
S.P. to
surf.

Sqz S.P. w/ SX

Cmt. in S.P. is
circ. from B. of
Dak. in S.P. or
sqz. down S.P.

Perf @ _____ ft
(50' below S.P.)
Spot _____ sx cmt

_____ SX.
(Cmt. or Gel)

Perf @ _____ ft
(50' below Dakota)
Spot _____ sx cmt

_____ SX.
(Cmt. or Gel)

Perf @ _____ ft
(Mid-Anhydrite)
Spot _____ sx cmt

_____ (Bbls. spacer)

Perf @ _____ ft
(50' below B of salt)
Spot _____ sx cmt

_____ (Bbls. spacer)

↓Bottom Plug↓
(50-100' above Perfs)

Top of cmt. _____ ft
Spot _____ sx cmt
w/ _____ # hulls
Remove B.P. @ _____ ft

Perforations @:



Old Cement

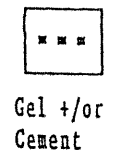
Top & Bot.
of Dakota
plus 50'
(80 - 100
sacks cmt)



New Cement

Anhydrite
(25 sx cmt)

Base Salt
Plus 50'
(25 - 40
sacks cmt)



Gel +/-
Cement

Bottom Plug
(50'-100'
Above Top
Perf --
25-50 sx
of cmt
w/hulls)
or
(sand plus
5 sx cmt)

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