

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

Operator: License # 6236  
Name: MTM Petroleum  
Address P.O. Box 82  
City/State/Zip Spivey, KS 67142

Purchaser: Koch Oil  
Operator Contact Person: Marvin A. Miller  
Phone (316) 352-5178

Contractor: Name: Lobo Drilling Company  
License: 5864

Wellsite Geologist: Dean Patisson

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

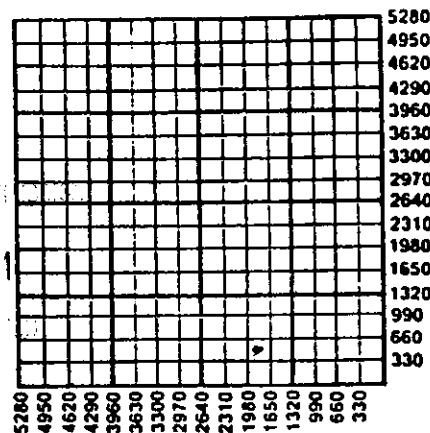
If OWMO: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12-04-90 12-11-90 1-4-91  
Spud Date Date Reached TD Completion Date

API NO. 15- 077-21,226-0000  
County Harper ✓  
110'E & 180'N of Sec. 9 Twp. 31 Rge. 6 East  
E 3/2 SW SE West  
510 ✓ Ft. North from Southeast Corner of Section  
1870 ✓ Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Wohlschlegel ✓ Well # 1-9  
Field Name Bauer  
Producing Formation Mississippi  
Elevation: Ground 1502 KB 1493  
Total Depth 4412' PSTD 4379

JAN 30 1991  
1-30-91



Amount of Surface Pipe Set and Cemented at 217' 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 cmt

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Marvin A Miller  
Title President Date 1-23-91

Subscribed and sworn to before me this 23 day of January, 19 91.

Notary Public Kim Adelhardt  
Kim Adelhardt  
Date Commission Expires 7/05/93

KIM ADELHARDT  
Notary Public - State of Kansas  
My Appt. Expires 7/05/93

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

**SIDE TWO**

Operator Name MTM Petroleum Lease Name Wohlschlegel Well # 1-9  
 Sec. 9 Twp. 31 Rge. 6  East County Harper  
 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 Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p style="text-align: center;"><b>Formation Description</b></p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <p>Name <span style="margin-left: 100px;">Top</span> <span style="margin-left: 100px;">Bottom</span></p> <p style="text-align: center;">Attached</p>
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**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
Surface	12 1/2"	8-5/8"	23#	217	60/40poz	150	2% gel 3% cc
Production	7 7/8"	5 1/2"		4411'	common	100	10% salt

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4346-4352	750 gal 15% FE Acid	4346-4352

**TUBING RECORD** Size 2-7/8 Set At 4370 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 1-4-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours Oil 31 Bbls. Gas 75 Mcf Water 63 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity 36

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

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled

Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

## ORIGINAL

Log KB Tops:  
Formation

Top

Topeka LS	2756
Elgin S.S.	3006
Heebner Sh.	3170
Toronto LS.	3196
Douglas Sh.	3257
Haskell LS.	3417
Stalnaker S.S.	3503
Kansas City Gp.	3725
Stark Sh.	3858
Swope LS.	3867
Hushpuckney Sh.	3894
Hertha LS.	3903
Base KC Gp.	3980
Bandera Sh.	4080
Labette Sh.	4134
Cherokee Gp.	4152
Erosional Miss.	4320
Mississippi Warsaw	4337
Mississippi Osage	4380

DST#1

Test Interval	3832-3862
Formation:	Kansas City Drum LS.
Tool Interval:	40"-60"-25"-30"
IHP:	1952#
IFP:	74-74#
ISIP:	1515#
FFP:	96-96#
FSIP:	1289#
FHP:	1902#

Preflow: Shallow blow  $\frac{1}{2}$ " in bucket,  
dead in 17". Final Flow: Shallow  
blow  $\frac{1}{2}$ " in bucket, dead in 5".

Recovery: 10' DM  
BHT:108 Deg. F.

DST#2

Test Interval	4325-4361
Formation:	Erosional Mississippi and Mississippi Warsaw
Tool Interval:	30"-63"-65"-96"
IHP:	2194#
IFP:	230-212#
ISIP:	1474#
FFP:	208-265#
FSIP:	1457#
FHP:	2194#

Preflow: Strong, off bottom imm. GTS:  
4", Ga: 59.2-108mcf Final Flow: Strong,  
Gas throughout, Ga: 147-86.3 mcf

Recovery: 560' HGCMA, Approx. 60% Oil,  
30% Gas, 10% Mud Oil Gravity: 36 API  
100, Water & Muddy Water  
Measured 87K chlorides.

BHT: 136 deg. F.

STATE COMMISSION

JAN 30 1991

1-30-91

ORIGINAL

ORIGINAL

HALLIBURTON SERVICES

REMIT TO:

P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

INVOICE NO.	DATE
040866	12/11/199

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
WOHLSCHLAGEL 1-9		HARPER		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
PRATT		LOBO DRG		CEMENT PRODUCTION CASING		12/11/199
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA		FILE NO.
532567	MARVIN A MILLER			COMPANY TRUCK		0684

M T M PETROLEUM  
BOX 82  
SPIVEY, KS 67142

DIRECT CORRESPONDENCE TO:  
SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	45	MI	2.35	105.75
		1	UNT		
000-118	MILEAGE SURCHARGE - CEMENT - LAND	45	MI	.40	18.00
		1	UNT		
001-016	CEMENTING CASING	4411	FT	1,200.00	1,200.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	5.5	IN	47.00	47.00
		1	EA		
018-317	SUPER FLUSH	12	SK	74.00	888.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	104.00	104.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
815.19251					
27	FILL-UP UNIT 5 1/2" - 6 5/8"	1	EA	30.00	30.00
815.19311					
40	CENTRALIZER 5-1/2" MODEL 5-4	3	EA	44.00	132.00
807.93022					
504-308	STANDARD CEMENT	125	SK	5.35	668.75
509-968	SALT	650	LB	.10	65.00
508-292	GILSONITE, SACKED	900	LB	.42	378.00
507-775	HALAD-322	59	LB	5.75	339.25
500-307	MILEAGE SURCHARGE CEMENT MAT	300.58	TMI	.10	30.06
500-207	BULK SERVICE CHARGE	152	CFT	1.10	167.20
500-306	MILEAGE CMTG MAT DEL OR RETURN	300.58	TMI	.75	225.44
INVOICE SUBTOTAL					4,481.45
DISCOUNT - (BID)					672.19
INVOICE BID AMOUNT					3,809.26
*- KANSAS STATE SALES TAX					64.91

pd. 12-20-90  
ck# 3669  
\$3889.44

FEB 5 1991  
2-5-91

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

ORIGINAL ORIGINAL



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

15-077-21226-0000

INVOICE NO.	DATE
040866	12/11/19

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
WOHLSCHLAGEL 1-9		HARPER		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		LOBO DRLG	CEMENT PRODUCTION CASING		12/11/19
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
532567	MARVIN A MILLER			COMPANY TRUCK	068

M T M PETROLEUM  
BOX 82  
SPIVEY, KS 67142

DIRECT CORRESPONDENCE TO:  
SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	*-PRATT COUNTY SALES TAX				15.27
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$3,889.44

RECEIVED  
STATE CORPORATION COMMISSION  
FEB 5 1991  
2-5-91

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