

2

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

S

API NO. 15-159-22,223  
County Rice  
C SW/4 Sec. 16 Twp. 21 Rge. 7

Operator: License # 5142  
Name Sterling Drilling Company  
Address P. O. Box 129  
Sterling, Kansas 67579  
City/State/Zip

1270 Ft North from Southeast Corner of Section  
3910 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser Texaco Trading and Transportation

Lease Name Mansz Well # 5

Operator Contact Person Richard L. Mead  
Phone (316) 278-2131

Field Name Wherry

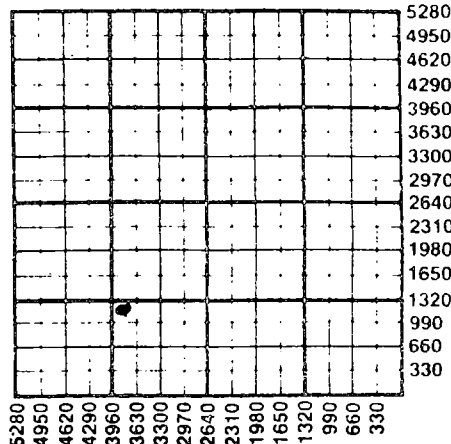
Producing Formation Mississippi

Contractor: License # 5142  
Name Sterling Drilling Company

Elevation: Ground 1611' KB 1620'

Wellsite Geologist Wayne Lebsack  
Phone (316) 938-2396

Section Plat



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

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CONSERVATION DIVISION  
Wichita, Kansas

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

9-8-88

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable  
3-27-88 4-1-88 4-15-88  
Spud Date Date Reached TD Completion Date  
3475' 3452'  
Total Depth PBDT 239 KB  
Amount of Surface Pipe Set and Cemented at...feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set...feet  
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt  
Cement Company Name  
Invoice #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #  
Groundwater...Ft North from Southeast Corner  
(Well) ...Ft West from Southeast Corner of  
Sec Twp Rge East West  
Surface Water...Ft North from Southeast Corner  
(Stream, pond etc)...Ft West from Southeast Corner  
Sec Twp Rge East West  
Other (explain)  
(purchased from city, R.W.D. #)

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. 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.

STERLING DRILLING COMPANY  
Signature Richard L. Mead  
Richard L. Mead  
Title President Date 9/7/88

Subscribed and sworn to before me this 7th day of September 1988  
Notary Public Agnes D. Wurst  
Date Commission Expires 4/6/89

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
X KCC SWD/Rep NGPA  
X KGS Plug Other  
(Specify)  
9-8-88

Sec 16 Twp 21 Rge 7 E 2



SIDE TWO

Operator Name Sterling Drilling Company Lease Name Mansz Well # 5

Sec. 16 Twp. 21 Rge. 7  East  West County Rice

WELL LOG

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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Heebner	2732	1112
Brown Lime	2887	1264
Lansing	2911	1291
Mississippi	3380	1760

CASING RECORD <input checked="" 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"	20#	239 KB	60/40 Poz	200	2% gel, 3% cc
Production	7 7/8"	5 1/2"	14#	3473 KB	60/40 Poz	150	18% salt, 3/4 of 1% CFR-2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	3394 to 3404			750 gal. 15% MCA acid			
4	3390 to 3394			Frac. with 18,000 bbl. fresh water; 10,000# 20-40 sand; 10,000# 12-20 sand			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at			
2 7/8		3430		--			
Date of First Production		Producing Method					
5-1-88		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
5 Bbls		30 MCF	200 Bbls	CFPB	34/34		

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Open Hole  Perforation  Other (Specify) ..... 3390 - 3404  
 Used on Lease  Dually Completed .....  
 Commingled .....

# INVOICE

INVOICE



A DIVISION OF HALLIBURTON COMPANY

P.O. BOX 651046  
DALLAS, TX 75265

INVOICE NO.	DATE
361182	03/27/1988

WELL LEASE NO.	WELL LOCATION	STATE	WELL OWNER		
MANSZ 5	RICE	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
MCPHERSON	CO. TOOLS	CEMENT SURFACE CASING	03/27/1988		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
847190	LENN LEWIS			COMPANY TRUCK	56253

STERLING DRLG CO  
BOX 129  
STERLING, KS 67579

DIRECT CORRESPONDENCE TO:  
SUITE 600  
COLORADO DERBY BUILDING  
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	34	MI	2.10	71.40
		1	UNT		
001-016	CEMENTING CASING PUMP CHARGE	241	FT	375.00	375.00
		1	UNT		
030-503	LA-11, CP-1, OR CP-3, TOP PLUG	8	5/8 IN	54.00	54.00
		1	EA		
504-308	STANDARD CEMENT	120	SK	5.35	642.00
506-105	POZMIX A	80	SK	2.79	223.20
506-121	HALLIBURTON-GEL 2X	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	25.75	128.75
500-207	BULK SERVICE CHARGE	210	CFT	.95	199.50
500-306	MILEAGE	408.11	TMI	.70	285.68
INVOICE SUBTOTAL					1,979.53
DISCOUNT-(BID)					296.92-
INVOICE BID AMOUNT					1,682.61
*-KANSAS STATE SALES TAX					50.29
*-MC PHERSON COUNTY SALES TAX					12.58
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,745.48

RECEIVED  
CONSERVATION DIVISION  
Wichita, Kansas  
SEP - 8 1988  
Copies made  
[Signature]

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 INVOICE**

INVOICE



A DIVISION OF HALLIBURTON COMPANY

P.O. BOX 651046  
DALLAS, TX 75265

INVOICE NO.	DATE
361161	04/01/1988

WELL LEASE NO.	WELL LOCATION	STATE	WELL OWNER
IANZS 5	RICE	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
ICPHERSON	CO. TOOLS	CEMENT PRODUCTION CASING	04/01/1988
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
47190	RON KELSO		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	5655

DIRECT CORRESPONDENCE TO:

STERLING DRUG CO  
BOX 129  
STERLING, KS 67579

SUITE 600  
COLORADO DERBY BUILDING  
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	36	MI	2.10	75.60
		1	UNT		
001-016	CEMENTING CASING PUMP CHARGE	3474	FT	928.00	928.00
		1	UNT		
030-016	TYPE 5W ALUMINUM PLUG-TOP	5	1/2 IN	41.00	41.00
		1	EA		
018-317	SUPER FLUSH	300	GAL	1.50	450.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	103.00	103.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2"	1	EA	83.00	83.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	27.50	27.50
815.19311					
40	CENTRALIZER 5-1/2" MODEL S-4	3	EA	44.00	132.00
807.93022					
60	ROTO WALL CLEANER 2 1/8" SPIKE	19	EA	22.00	418.00
807.0007					
65	EZ LOK LIMIT CLAMP 5 1/2"	14	EA	10.25	143.50
807.6056					
66	FASGRIP LIMIT CLAMP 5 1/2"	28	EA	11.30	316.40
807.64031					
504-308	STANDARD CEMENT	90	SK	5.35	481.50
506-105	POZMIX A	60	SK	2.79	167.40
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-968	SALT	1300	LB	.052	67.60
509-968	SALT	200	LB	.052	10.40
507-145	CFR-2	97	LB	3.70	358.90
508-291	GILSONITE	750	LB	.33	247.50
507-210	FLOCELE	19	LB	1.21	22.99
500-207	BULK SERVICE CHARGE	186	CFT	.95	176.70
500-306	MILEAGE	357.05	TMI	.70	249.94

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CONSERVATION DIVISION  
Wichita, Kansas

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

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**ORIGINAL  
INVOICE**



P.O. BOX 651046  
DALLAS, TX 75265

INVOICE

INVOICE NO.	DATE
361161	04/01/1988

A DIVISION OF HALLIBURTON COMPANY

WELL LEASE NO.	WELL LOCATION	STATE	WELL OWNER
NZS 5	RICE	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
MPHERSON	CO. TOOLS	CEMENT PRODUCTION CASING	04/01/1988
ACT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
7190	RON KELSO		
		SHIPPED VIA	FILE/NO.
		COMPANY TRUCK	56555

STERLING DRLG CO  
BOX 129  
STERLING, KS 67579

DIRECT CORRESPONDENCE TO:  
SUITE 600  
COLORADO DERBY BUILDING  
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				4,500.93
	DISCOUNT - (BID)				675.10-
	INVOICE BID AMOUNT				3,825.83
	*-KANSAS STATE SALES TAX				100.96
	*-MC PHERSON COUNTY SALES TAX				25.23
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>				\$3,952.02

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CONSERVATION DIVISION  
Wichita, Kansas

*RM*  
RJR

**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.