

ORIGINAL

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

Operator: License # 5242

Name: PETROLEUM MANAGEMENT, INC.

Address 14201 E. CENTRAL
WICHITA, KS 67230

City/State/Zip _____

Purchaser: FARMLAND

Operator Contact Person: R.D. REBER

Phone (316) 733-5600

Contractor: Name: MURFIN DRILLING CO.

License: #30606

Wellsite Geologist: GERALD D. HONAS

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/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Cased Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

8/27/97 8/31/97 9/9/97
Spud Date Date Reached TD Completion Date

API NO. 15- 147- 20,581-00-00

County PHILLIPS

SE - SE - NW Sec. 20 Twp. 4S Rge. 18 E W

2450 Feet from S (circle one) Line of Section

2160 Feet from E (circle one) Line of Section

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

Lease Name STONEMAN Well # 12

Field Name STONEMAN

Producing Formation LANSING-KANSAS CITY

Elevation: Ground 1895 KB 1900

Total Depth 3340' PBTB 3303'

Amount of Surface Pipe Set and Cemented at 223 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 3337

feet depth to SURFACE w/ 475 sx cmt.

Drilling Fluid Management Plan A.H. 2, 3-10-98 v.c.
(Data must be collected from the Reserve Pit)

Chloride content 2200 ppm Fluid volume 4845 bbls

Dewatering method used EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. 4S Rng. _____ E/W


County _____ Docket No. 147-20581-00-00

Record - 9-15-1997

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 Dany J Reed
Title CONSULTING ENGINEER Date 9/12/97
Subscribed and sworn to before me this 12TH day of SEPTEMBER,
19 97.
Notary Public Cindy Wichman
Date Commission Expires 5/4/98

 **CINDY WICHMAN**
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5/4/98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name PETROLEUM MANAGEMENT, INC. Lease Name STONEMAN Well # 12

Sec. 20 Twp. 4S Rge. 18 East West
 County PHILLIPS

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	UNLESS NOTED <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>ANHYDRITE</td> <td>1428</td> <td>+472 (NO LOG)</td> </tr> <tr> <td>HEEBNER</td> <td>3047</td> <td>-1147</td> </tr> <tr> <td>TORONTO</td> <td>3070</td> <td>-1170</td> </tr> <tr> <td>LANSING</td> <td>3086</td> <td>-1186</td> </tr> <tr> <td>BKC</td> <td>3312</td> <td>-1412 (NO LOG)</td> </tr> </tbody> </table>	Name	Top	Datum	ANHYDRITE	1428	+472 (NO LOG)	HEEBNER	3047	-1147	TORONTO	3070	-1170	LANSING	3086	-1186	BKC	3312	-1412 (NO LOG)
Name	Top		Datum																	
ANHYDRITE	1428		+472 (NO LOG)																	
HEEBNER	3047		-1147																	
TORONTO	3070	-1170																		
LANSING	3086	-1186																		
BKC	3312	-1412 (NO LOG)																		
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input 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																			

List All E.Logs Run: CASED HOLE ONLY
GAMMA RAY-NEUTRON-COLLAR

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	12.25	8.625	23	223	60/40 POZ	140	3%CACL + 2% GEL
PRODUCTION	7.875	4.50	10.5	3337	MIDCON 2	380	
					EA-2	95	

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
4	3006-3009; 3089-3094;	2500 GAL 15% NE	3006-
	3128-3133; 3166-3169;		3189
	3185-3189		

TUBING RECORD	Size <u>2 3/8</u>	Set At <u>3297'</u>	Packer At <u>NONE</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	-------------------	---------------------	-----------------------	---

Date of First, Resumed Production, SMD or Inj. 9/11/97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. <u>6</u>	Gas Mcf <u>0</u>	Water Bbls. <u>220</u>	Gas-Oil Ratio <u>-</u>	Gravity <u>38</u>
-----------------------------------	--------------------	------------------	------------------------	------------------------	-------------------

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

METHOD OF COMPLETION: NONE

Production Interval: Open Hole Perf. Dually Comp. Commingled 3006-
 Other (Specify) 3189

TELEPHONE:

AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL
Federal Tax I.D.# 48-0727860

TO: P. M. I.
14201 E. Central
Wichita, KS 67230

15-147-20581-00-00

INVOICE NO. 75856
PURCHASE ORDER NO. _____
LEASE NAME Stoneman #12
DATE 8-27-97

SERVICE AND MATERIALS AS FOLLOWS:

Common 84 sks @ \$6.35	\$533.40
Pozmix 56 sks @ \$3.25	182.00
Gel 2 sks @ \$9.50	19.00
Chloride 4 sks @ \$28.00	<u>112.00</u>

\$ 846.40

Handling 140 sks @ \$1.05	147.00
Mileage (61) @ \$.04¢ per sk per mi	341.60
Surface	470.00
M1 @ \$2.85 pop trk chg	173.85
1 plug	<u>45.00</u>

1,177.45

Total

\$2,023.85

If Account CURRENT a
Discount of \$ 303.57
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Thank You!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

LEMAN

CIV

RECEIVED

SEP 02 1997

PMI

CHARGE TO: P.M.I.
STREET 14201 East Central
CITY Wichita STATE Kansas ZIP 67230

PUMP TRUCK CHARGE		<u>410.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>61</u>	@ <u>2.85</u>	<u>173.85</u>
PLUG <u>8" wooden</u>	@	<u>45.00</u>
	@	
	@	

TOTAL 638.85

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

ALLIED CEMENTING CO., INC.

8197

Federal Tax I.D.# ~~40-37453~~

P.O. BOX 31 15-147-20581-00-00
RUSSELL, KANSAS 67665

ORIGINAL SERVICE POINT: R

DATE <u>8-27-97</u>	SEC <u>20</u>	TWP. <u>45</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Stoveman</u>	WELL # <u>12</u>	LOCATION <u>Blade 3w 1/2 N 1/2 W</u>	COUNTY <u>Phillips</u>	STATE <u>K</u>			<u>9:15 PM</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Marvin Dilg
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 1/2 DEPTH 223
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 10 1/2
 PERFS.
 DISPLACEMENT 24# 13.35 BBL

OWNER
 CEMENT
 AMOUNT ORDERED 140⁰⁰ 3% cc 2% gal

COMMON	<u>84</u>	@	<u>635</u>	<u>533 40</u>
POZMIX	<u>56</u>	@	<u>325</u>	<u>182 00</u>
GEL	<u>2</u>	@	<u>950</u>	<u>19 00</u>
CHLORIDE	<u>4</u>	@	<u>28 00</u>	<u>112 00</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING		@	<u>1 00</u>	<u>147 00</u>
MILEAGE	<u>44 / SB / Mile</u>			<u>341 60</u>
TOTAL				<u>1335 00</u>

EQUIPMENT
 # 177 PUMP TRUCK CEMENTER Dave
 # HELPER Blen
 # BULK TRUCK DRIVER
 # 282 BULK TRUCK DRIVER Bill

REMARKS:

Cement
Civ

RECEIVED
 SEP 02 1997

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>470 00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>63</u>	@	<u>285</u>
PLUG <u>8 1/2 wooden</u>		@	<u>45 00</u>
		@	
		@	
TOTAL <u>688 00</u>			

CHARGE TO: P.M.I. **PMI**
 STREET 14201 East Central
 CITY Wichita STATE Kansas ZIP 67230

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.

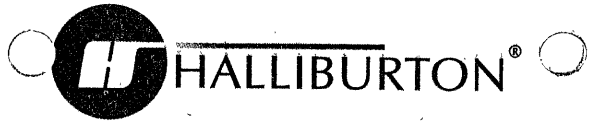
SIGNATURE Keith Van Fleet

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME

CUSTOMER COPY

INVOICE



HALLIBURTON ENERGY SERVICES, INC.

15-147-20581-00-00

REMIT TO:
 P. O. BOX 951046
 DALLAS, TX 75395-1046
 Corporate FIN 73-0271280

INVOICE NO.	DATE
197125	08/31/1997

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
STONEMAN 12		PHILLIPS		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
HAYS		MURFIN DRILLING	SHOWN BELOW		08/31/1997
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
682850	DON KEENER			COMPANY TRUCK	29459

ORIGINAL

PETROLEUM MANAGEMENT INC
 14201 E. CENTRAL
 WICHITA, KS 67230

DIRECT CORRESPONDENCE TO:

1102 E. 8TH
 HAYS KS 67601
 913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	120 MI		3.20	384.00
		1 UNT			
001-016	CEMENTING CASING	3340 FT		1,230.00	1,230.00
		1 UNT			
030-016	CEMENTING PLUG SW ALUM STOP	4.5 IN		50.00	50.00
		1 EA			
114-163	CLAYFIX 11	2 GAL		30.50	61.00
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1 EA		95.00	95.00
035-201					
24A	INSERT FLOAT VALVE - 4 1/2" BRD	1 EA		100.00	100.00
015-19101					
27	FILL OF UNIT 4 1/2"-5"	1 EA		52.00	52.00
015-19111					
30	CENTRALIZER 4-1/2 X 7-7/8	10 EA		56.00	560.00
006-50004					
320	BASKET CMY-4 1/2 CSG X 18" OD-	1 EA		108.00	108.00
006-71415					
507-210	FLOCELE	50 LB		1.90	95.00
000-119	MILEAGE FOR CREW	120 MI		1.95	N/C
		1 UNT			
504-308	CEMENT - STANDARD	95 SK		10.83	1,028.85
504-280	MIDCON-2 STANDARD CEMENT	380 SK		13.53	5,141.40
505-406	ANHYDROUS CALCIUM CHLORIDE	11 SK		46.90	515.90
505-268	SALT	400 LB		.17	68.00
507-225	HALAD-3/2	45 LB		7.70	346.50
507-210	FLOCELE	48 LB		1.90	91.20
508-127	CAL SEAL 60	4 SK		28.00	112.00
508-291	GILSONITE BULK	475 LB		.50	237.50
500-207	BUCK SERVICE CHARGE	540 CFY		1.55	837.00
500-306	MILEAGE CHNG MAT DEL OR RETURN	1449.810 TMI		1.18	1,710.78

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

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

ER COPY



P.O. BOX 081096
DALLAS, TX 75405-1096
Corporate FIN 73-0271280

VOICE

HALLIBURTON ENERGY SERVICES, INC.
15-147-20581-00-00

INVOICE NO.	DATE
192125	08/31/1997

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
MAN 12	PHILLIPS	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
S	MURFIN DRILLING	SHOWN BELOW	08/31/1997		
CT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
82850	DON KEENER			COMPANY TRUCK	29459

ORIGINAL

DIRECT CORRESPONDENCE TO:

PETROLEUM MANAGEMENT INC
14201 E. CENTRAL
WICHITA, KS 67230

1102 E. 8TH
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	JOB PURPOSE SUBTOTAL				13,324.13
	INVOICE SUBTOTAL				13,324.13
	DISCOUNT-(BID)				4,796.87-
	INVOICE BID AMOUNT				8,527.46
	*- KANSAS STATE SALES TAX				347.52
	*- HAYS CITY SALES TAX				70.92
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$8,945.90.

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

15-147-20581-00-00



TICKET CONTINUATION

TICKET No. 197125

HALLIBURTON ENERGY SERVICES

Tuck# (s)	4444-5070	52418	CUSTOMER	Petroleum Management Inc	WELL	Stoneman #12	DATE	8/30/97	PAGE	2	OF	2
PRICE REFERENCE	SECONDARY REFERENCE	PART NUMBER	ACCOUNTING			DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
			LOG	ACCT	DF							
504-308						Standard Cement	95	sk		\$10.83	\$1,028.85	
504-280						Mid Con II	380	sk		\$13.53	\$5,141.40	
509-406						Calcium Chloride	11	sk		\$46.90	\$515.90	
509-968						Salt	400	lb.		\$0.17	\$68.00	
507-775						HALAD-322	45	lb.		\$7.70	\$346.50	
5210						Flocele	48	lb.		\$1.90	\$91.20	
508-127						Cal Seal	4	sk		\$28.00	\$112.00	
508-291						Gilsonite	475	lb.		\$0.50	\$237.50	
SERVICE CHARGE						CUBIC FEET	540			1.55	\$837.00	
MILEAGE CHARGE				TOTAL WEIGHT	LOADED MILES	TON MILES				1.18	\$1,710.78	
				48,327	60	1449.810						

RECEIVED
 SEP 04 1997
 PMI

ORIGINAL

1-207
 ACTIONS - Customer
 WAIVER - Customer
 Equipment or materials
 provided by law

660087

CONTINUATION TOTAL

\$ 10,089.13