

ORIGINAL

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

API NO. 15-075-207090000  
County Hamilton  
C NE Sec. 08 Twp. 23 Rge. 41 X W

Operator: License # 4894

1360 Feet from S(N) (circle one) Line of Section

Name: Horseshoe Operating, Inc.

1250 Feet from E(W) (circle one) Line of Section

Address 500 W. Texas, Suite 1190

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

City/State/Zip Midland, Tx 79701

Lease Name Mai Well # 1

Purchaser: \_\_\_\_\_

Field Name Bradshaw

Operator Contact Person: S. L. Burns

Producing Formation Winfield

Phone (915) 683-1448

Elevation: Ground 3445 KB 3454

Contractor: Name: Murfin Drilling Co.

Total Depth 2608 PBDT \_\_\_\_\_

License: 30606

Amount of Surface Pipe Set and Cemented at 7 jts @ 244 Feet

Wellsite Geologist: \_\_\_\_\_ 11-29-99

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes X No

Designate Type of Completion

If yes, show depth set \_\_\_\_\_ Feet

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

If Alternate II completion, cement circulated from 2607

Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ Temp. Abd.

feet depth to surface w/ 650 sx cmt.

X Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW

Drilling Fluid Management Plan AH-2, 12-27-99 U.C.  
(Data must be collected from the Reserve Pit)

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

If Workover/Reentry: Old Well Info as follows:

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Operator: \_\_\_\_\_

Dewatering method used \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD

Operator Name \_\_\_\_\_

Plug Back \_\_\_\_\_ PBDT \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

County \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

10/29/99 \_\_\_\_\_ 10/31/99 \_\_\_\_\_ 11/20/99 \_\_\_\_\_

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

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 S. L. Burns

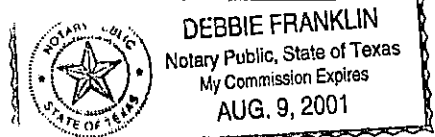
Title Vice-President Date 11-23-99

Subscribed and sworn to before me this 23 day of November, 19 99.

Notary Public Debbie Franklin

Date Commission Expires 8-9-2001

K.C.C. OFFICE USE ONLY		
F	<u>NO</u>	Letter of Confidentiality Attached <u>NO</u>
C	<u>X</u>	Wireline Log Received
C	_____	Geologist Report Received
Distribution		
<u>X</u>	KCC	_____ SWD/Rep
_____	KGS	_____ Plug
_____	_____	_____ NGPA
_____	_____	_____ Other
(Specify)		



Operator Name Horseshoe Operating, Inc. Lease Name Mai Well # 1

Sec. 08 Twp. 23S Rge. 41  East  West  
 County Hamilton

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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run: Compensated Neutron Density Log Dual Spaced Cement Bond Log	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr><td>Top of Winfield</td><td>2509'</td><td>(+946')</td></tr> <tr><td>Top of Porosity</td><td>2519'</td><td>(+936')</td></tr> <tr><td>Base of Porosity</td><td>2531'</td><td>(+924')</td></tr> <tr><td>Top of Towanda</td><td>2555'</td><td>(+900')</td></tr> <tr><td>Top of Porosity</td><td>2559'</td><td>(+896')</td></tr> <tr><td>Base of Porosity</td><td>2571'</td><td>(+884')</td></tr> <tr><td>Top of Ft. Riley</td><td>2575'</td><td>(+880')</td></tr> <tr><td>Top of Porosity</td><td>2579'</td><td>(+876')</td></tr> <tr><td>Base of Porosity</td><td>2587'</td><td>(+868')</td></tr> </tbody> </table>	Name	Top	Datum	Top of Winfield	2509'	(+946')	Top of Porosity	2519'	(+936')	Base of Porosity	2531'	(+924')	Top of Towanda	2555'	(+900')	Top of Porosity	2559'	(+896')	Base of Porosity	2571'	(+884')	Top of Ft. Riley	2575'	(+880')	Top of Porosity	2579'	(+876')	Base of Porosity	2587'	(+868')
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CASING RECORD <input 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	24	244	c	180	3% cc 2% gel
Production	7-7/8	4-1/2	10.5	2607	c	650	10% salt 1/4# flose

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	850' to GL	Common	50	3% cc
		Lite	250	1/4# Flo-seal

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
1	2506'-17'; 42'-49'; 54'-56'	1500 gals 7-1/2% MCA
	61'-69'; 78'-87'	18000# AC Frac sand 25 # gel.

TUBING RECORD	Size 2-3/8	Set At 2591 KB	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Waiting on evaluation <u>Waiting on pipeline</u>		Producing Method <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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  other (Specify) \_\_\_\_\_

(If vented, submit ACO-18.)

NOV 20 1950

KCC OIL/GAS REGULATORY OFFICE

Date 11-16-99

- New Situation
- Response to Request
- Follow-up

Operator Horseshoe Oper. Co. #

1360' FNL

Address \_\_\_\_\_

Location 12.50' FEL, Sec 8, T 23 S, R 41 W

Lease Mai Well # 1

Phone No. \_\_\_\_\_

County Hamilton

Oper. \_\_\_\_\_ Other \_\_\_\_\_

Reason for Investigation: ALT # competition

Problem: Cement didn't circulate to surface on long string,

Person(s) Contacted: \_\_\_\_\_

Findings: Peak wireline scan bond log, TOC @ 1000', perforated @ 850' scattered cmt to 880', Ran tubing + packer to 764'. Pumped in to with water. Max PSI 1300# broke back to 500# started cmt 60/40 6% w/ 1/4" Flow seal, pumped 200sx @ 1300# broke back to 0# started to circulate to pit ran 50sx common cmt, ~~shut~~ shut back side in + squeeze @ 700#

photos taken: \_\_\_\_\_

Action/Recommendations: \_\_\_\_\_

Starting Time: 8:45

Finished @ 12:30

- Lease Inspection
- Complaint
- Field Report

RECEIVED By Kevin D Stube  
 STATE CORPORATION COMMISSION  
PART II

NOV 23 1999

Retain 1 copy Joint District Office  
 Send one copy Conservation Division

CONSERVATION DIVISION  
 Wichita, Kansas

**LEASE INSPECTION**

YES NONE COMMENTS

- [ ] I.D. Sign [ ]
- [ ] Tank Battery [ ]; Condition: good [ ] questionable [ ] overflowing [ ]
- [ ] Pits, tank battery [ ]; Fluid depth \_\_\_\_\_ ft.; approx. size \_\_\_\_\_ ft x \_\_\_\_\_ ft
- [ ] Pit, injection site [ ]; Fluid depth \_\_\_\_\_ ft.; approx. size \_\_\_\_\_ ft x \_\_\_\_\_ ft
- [ ] Gas venting [ ]
- [ ] Oil spill evidence [ ]
- [ ] Saltwater evidence [ ]; Surface flow \_\_\_\_\_; seepage \_\_\_\_\_
- [ ] Saltwater pipelines [ ]; Seepage visible Yes/No; tested for leaks Yes/No
- [ ] Flowing holes [ ]
- [ ] Abandoned wells [ ]
- [ ] TA wells [ ]; Potential poll. Prob. \_\_\_\_\_; currently producing \_\_\_\_\_

- [ ] SWD/ER Injection well [ ]; Permit # \_\_\_\_\_ Pressure-actual \_\_\_\_\_ psi, Authorized \_\_\_\_\_ psi
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- [ ] Monitoring records [ ]
- [ ] Gauge connections [ ]; tubing \_\_\_\_\_; T/C annulus \_\_\_\_\_; C/SP annulus \_\_\_\_\_
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Lease cleanliness: Very good \_\_\_\_\_ satisfactory \_\_\_\_\_ poor \_\_\_\_\_ very bad \_\_\_\_\_

Water samples taken \_\_\_\_\_

Reports prepared \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

+	+	+	+
+	+	+	+
+	+	+	+
+	+	+	+

# ALLIED CEMENTING CO., INC.

1617  
W.F.

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>10/29/99</u>	SEC <u>8</u>	TWP. <u>235</u>	RANGE <u>415</u>	CALLED OUT	ON LOCATION <u>2:45 PM</u>	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:00 PM</u>
LEASE <u>Mai</u>	WELL # <u>1</u>	LOCATION <u>Syrcause 5N 4W 1N 4W S/S</u>			COUNTY <u>Hamilton</u>	STATE <u>Ks</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR MURFIN #24  
 TYPE OF JOB CMT  
 HOLE SIZE 12 1/4 T.D. 245  
 CASING SIZE 8 3/4 DEPTH 245  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 200 MINIMUM 50  
 MEAS. LINE SHOE JOINT 10  
 CEMENT LEFT IN CSG. 10  
 PERFS.  
 DISPLACEMENT 15 BBL

OWNER Same

CEMENT  
 AMOUNT ORDERED  
180 SKS 60/40 + 29 gal 3% ace

COMMON	<u>108 SKS</u>	@	<u>7.55</u>	<u>815.40</u>
POZMIX	<u>72 SKS</u>	@	<u>3.22</u>	<u>234.00</u>
GEL	<u>3 SKS</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5 SKS</u>	@	<u>28.00</u>	<u>140.00</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Max  
 # 191 HELPER Dean  
 BULK TRUCK  
 # 218 DRIVER Lonnice  
 BULK TRUCK  
 # DRIVER

HANDLING	<u>180 SKS</u>	@	<u>1.05</u>	<u>189.00</u>
MILEAGE	<u>44 per sk/mile</u>			<u>4.32.00</u>

TOTAL 1,838.90

**REMARKS:**

**SERVICE**

Cmt 9 3/4 surface csg with 180 sks  
60/40 + 29 gal 3% ace Drop Plug  
Displace 15 BBL Close Head In  
Cement Did Circulate ✓

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>470.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>60 miles</u>	@	<u>2.25</u>	<u>11.25</u>
PLUG	<u>8 3/4 wooden</u>	@		<u>45.00</u>

TOTAL 515.00

CHARGE TO: HorseShoe Operating Inc  
 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.

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Louis McRenna

Louis McRenna  
 PRINTED NAME

# ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

1596  
CUE

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
OAKLEY

DATE <u>10-31-99</u>	SEC. <u>8</u>	TWP. <u>235</u>	RANGE <u>41 W</u>	CALLED OUT	ON LOCATION <u>9:30 AM</u>	JOB START <u>12:30 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>MAI</u>	WELL # <u>1</u>	LOCATION <u>SYRACUSE 5N-4W-1N-4WS</u>			COUNTY <u>HAMILTON</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>MURPHY DRIG. REG #24</u>	OWNER <u>SAME</u>																												
TYPE OF JOB <u>PRODUCTION STRING</u>																													
HOLE SIZE <u>7 7/8"</u>	T.D. <u>2608'</u>																												
CASING SIZE <u>4 1/2"</u>	DEPTH <u>2608'</u>																												
TUBING SIZE	DEPTH																												
DRILL PIPE	DEPTH																												
TOOL	DEPTH																												
PRES. MAX	MINIMUM																												
MEAS. LINE	SHOE JOINT <u>33.53'</u>																												
CEMENT LEFT IN CSG.																													
PERFS.																													
DISPLACEMENT <u>41 BBL.</u>																													
EQUIPMENT																													
PUMP TRUCK # <u>191</u>	CEMENTER <u>TERRY</u>																												
	HELPER <u>DEAN</u>																												
BULK TRUCK # <u>303</u>	DRIVER <u>LOUISE</u>																												
BULK TRUCK # <u>347</u>	DRIVER <u>WAYNE</u>																												
<table border="1"> <tr> <td>CEMENT</td> <td></td> </tr> <tr> <td>AMOUNT ORDERED <u>125 SKS "C" 70% SALT</u></td> <td></td> </tr> <tr> <td><u>575 SKS Late 1/4" Flo-Seal</u></td> <td></td> </tr> <tr> <td>COMMON <u>125 SKS "C" @ 9.35</u></td> <td><u>1,168.75</u></td> </tr> <tr> <td>POZMIX @</td> <td></td> </tr> <tr> <td>GEL @</td> <td></td> </tr> <tr> <td>CHLORIDE @</td> <td></td> </tr> <tr> <td><u>Lite 575 SKS @ 6.65</u></td> <td><u>3,823.75</u></td> </tr> <tr> <td><u>Salt 10 SKS @ 7.00</u></td> <td><u>70.00</u></td> </tr> <tr> <td><u>Flo-Seal 144# @ 1.15</u></td> <td><u>165.60</u></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>HANDLING <u>700 SKS @ 1.05</u></td> <td><u>735.00</u></td> </tr> <tr> <td>MILEAGE <u>44 per sk/mile</u></td> <td><u>1,680.00</u></td> </tr> <tr> <td>TOTAL</td> <td><u>7,643.10</u></td> </tr> </table>		CEMENT		AMOUNT ORDERED <u>125 SKS "C" 70% SALT</u>		<u>575 SKS Late 1/4" Flo-Seal</u>		COMMON <u>125 SKS "C" @ 9.35</u>	<u>1,168.75</u>	POZMIX @		GEL @		CHLORIDE @		<u>Lite 575 SKS @ 6.65</u>	<u>3,823.75</u>	<u>Salt 10 SKS @ 7.00</u>	<u>70.00</u>	<u>Flo-Seal 144# @ 1.15</u>	<u>165.60</u>			HANDLING <u>700 SKS @ 1.05</u>	<u>735.00</u>	MILEAGE <u>44 per sk/mile</u>	<u>1,680.00</u>	TOTAL	<u>7,643.10</u>
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REMARKS:

SERVICE

CEMENT DID CIRC. ✓

THANK YOU

DEPTH OF JOB <u>2608'</u>	
PUMP TRUCK CHARGE	<u>1,080.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>60 miles @ 2.00</u>	<u>120.00</u>
PLUG @	
TOTAL	<u>1,080.00</u>

CHARGE TO: HORSESHOE OPERATING

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

<u>4 1/2"</u>	
<u>1- AFU FLOAT SHOES @ 224.00</u>	<u>224.00</u>
<u>1- LATCH DOWN PLUG ASSY @ 300.00</u>	<u>300.00</u>
<u>8- CENTRALIZERS @ 25.00</u>	<u>200.00</u>
TOTAL	<u>724.00</u>

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TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Skipp Barber

Skipp Barber  
PRINTED NAME