

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- 071-206640000

County Greeley

C W/2 NW/4- Sec. 28 Twp. 20 Rge. 40 X W

1320 Feet from S (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Lease Name Housesholder Well # 2

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3575 KB 3580

Total Depth 2827 PBDT 2826

Amount of Surface Pipe Set and Cemented at 269 Feet

Multiple Stage Cementing Collar Used? Yes X No

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

If Alternate II completion, cement circulated from 2826

feet depth to surface w/ 575 sx cmt.

Drilling Fluid Management Plan ALT 2 87 6-17-97  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume 5-10-97 bbls

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

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

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

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

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

Operator: License # 4894

Name: Horseshoe Operating, Inc.

Address 500 W. Texas, Suite 1190

City/State/Zip Midland, Tx 79701

Purchaser: Natural Gas Clearinghouse

Operator Contact Person: S. L. Burns

Phone ( 915 ) 683-1448

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: none

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

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

If Workover:

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

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

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

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBDT

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

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

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

3-15-97 3-16-97 4-4-97  
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

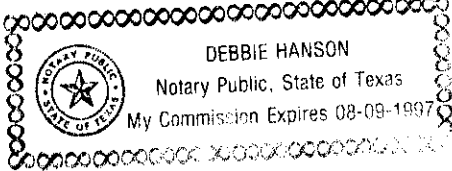
Title Vice-President Date 5/14/97

Subscribed and sworn to before me this 14 day of May, 19 97.

Notary Public Debbie Hanson

Date Commission Expires 8-9-97

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 Horseshoe Operating, Inc. Lease Name Householder Well # 2

Sec. 28 Twp. 20 Rge. 40  East  West County Grasley

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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stone Corral	2391	+ 1190
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Winfield	2786	+ 795
List All E.Logs Run:				
Dual Compensated Porosity Log				
Dual Spaced Cement Bond				

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	26#	269'	C	175	2% CaCl 1/4# sx cal
Production	7-7/8	4-1/2	11.6 #	2826'	C	<del>400</del> 450	8% Gel 1/4# FloSea
"					C	125	10% Salt

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
1	2792 - 2808	750 gal 7.5% HCL	2792-2808
		12,000# 16/30 sand 25# gel	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2-3/8	2810				
Date of First, Resumed Production, SMD or Inj.				Producing Method			
4-4-97				<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
				274		7	

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 2792'-2808'

# ORIGINAL

## ALLIED CEMENTING CO., INC. 8396

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

SERVICE POINT:  
OAKLEY

DATE <u>3-18-97</u>	SEC. <u>28</u>	TWP. <u>20S</u>	RANGE <u>40W</u>	CALLED OUT	ON LOCATION <u>7:50 PM</u>	JOB START <u>8:10 PM</u>	JOB FINISH <u>8:30 PM</u>
LEASE <u>HOUSE HOLDER</u>	WELL # <u>2</u>	LOCATION <u>TRIBUNE 11S-5E</u>			COUNTY <u>GRESELEY</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR MURFIN DRUG ALC #8

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 272'

CASING SIZE 8 5/8" DEPTH 269'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 16 1/4 BBL

OWNER SAME

CEMENT

AMOUNT ORDERED 100SKS LITE 3%CC

75SKS COM 3%CC

COMMON	<u>75 SKS</u>	@	<u>7.20</u>	<u>540.00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>5 SKS</u>	@	<u>28.00</u>	<u>140.00</u>
	<u>LITE 100 SKS</u>	@	<u>6.65</u>	<u>665.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>175 SKS</u>	@	<u>1.05</u>	<u>183.75</u>
MILEAGE	<u>49 PER SK/MILE</u>			<u>546.00</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER TERRY

# 300 HELPER WAYNE

BULK TRUCK

# 218 DRIVER JEFF

BULK TRUCK

# 212 DRIVER LONNIE

TOTAL 2,074.75

**REMARKS:**

CEMENT DIO CIRC.

\_\_\_\_\_

\_\_\_\_\_

THANK YOU

**SERVICE**

DEPTH OF JOB	<u>269'</u>		
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>78 miles</u>	@	<u>2.85</u>
PLUG	<u>8 5/8 SURFACE</u>	@	<u>45.00</u>
		@	
		@	

TOTAL 712.30

CHARGE TO: HORSESHOE OPERATING INC

STREET 500 W JAYNA #1190

CITY Midland STATE Texas ZIP 79701

**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 Laura McRenna

PRINTED NAME \_\_\_\_\_

ORIGINAL

ALLIED-CEMENTING CO., INC. 8999

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

SERVICE POINT: W.F. Oakley

DATE <u>3-17-97</u>	SEC. <u>28</u>	TWP. <u>20</u>	RANGE <u>40<sup>w</sup></u>	CALLED OUT	ON LOCATION <u>9:00 AM</u>	JOB START	JOB FINISH <u>11:45 AM</u>
LEASE <u>Householder</u>	WELL # <u>2</u>	LOCATION <u>Tribune 11S-E.S.</u>			COUNTY <u>Greeley</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)							

CONTRACTOR MurFin Drk Co #8

TYPE OF JOB Production String

HOLE SIZE 7 7/8 T.D. 2827'

CASING SIZE 4 1/2 DEPTH 2826

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. none

PERFS.

DISPLACEMENT

OWNER Same

CEMENT

AMOUNT ORDERED 125 SKS "C" 10% Salt  
450 SKS C, 8% Gel, 1/4# Flo-Seal

COMMON "C"	575 SKS @	9.00	5,175.00
POZMIX	@		
GEL	34 SKS @	9.50	323.00
CHLORIDE	@		
Flo-Seal	113 # @	1.15	129.75
Salt	11 SKS @	7.00	77.00
	@		
	@		
HANDLING	575 SKS @	1.05	603.75
MILEAGE	47.28 SK/mile		1,794.00

EQUIPMENT

PUMP TRUCK CEMENTER Walt

# 300 HELPER Terry

BULK TRUCK

# 218 DRIVER Louie

BULK TRUCK

# 305 DRIVER JEFF

TOTAL 8,102.70

REMARKS:

SERVICE

Mixed 450 SKS C, 8% Gel, 1/4# Flo-Seal  
Salt @ Tail in w/ 125 SKS C -  
10% Salt Displace 45 BBL, Landed  
Plus 24000psi, Float Head  
Cement, Did Circ  
Approx: 7 BBL in Pit

Shelton

DEPTH OF JOB	2827	
PUMP TRUCK CHARGE		1,030.00
EXTRA FOOTAGE	@	
MILEAGE	78-miles @	2.85 222.30
PLUG	@	
	@	
	@	

TOTAL 1,252.30

CHARGE TO: Horseshoe Opr, Inc

STREET 500 W Texas #1190

CITY Midland STATE TX ZIP 79701

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 McRuma

PRINTED NAME \_\_\_\_\_

ORIGINAL

# ALLIED CEMENTING CO., INC.

8997 *W*

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

SERVICE POINT:

Oakley

DATE <u>3-14-97</u>	SEC. <u>28</u>	TWP. <u>30<sup>s</sup></u>	RANGE <u>40<sup>w</sup></u>	CALLED OUT	ON LOCATION <u>8:00 PM</u>	JOB START	JOB FINISH <u>10:00 PM</u>
LEASE <u>Horse holder</u>	WELL # <u>2</u>	LOCATION <u>Tribune 115-55.</u>			COUNTY <u>Greeley</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)							

CONTRACTOR MurFin Dls Co #8

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 283'

CASING SIZE 8 5/8 DEPTH 283'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 17 BBL

OWNER Same

CEMENT

AMOUNT ORDERED 75 sks com, 3%cc

100 sks Lite, 3%cc

COMMON	<u>75 sks</u>	@	<u>7<sup>20</sup></u>	<u>540<sup>00</sup></u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>5 sks</u>	@	<u>28<sup>00</sup></u>	<u>140<sup>00</sup></u>
<u>Lite</u>	<u>100 sks</u>	@	<u>6<sup>65</sup></u>	<u>665<sup>00</sup></u>
		@		
		@		
		@		
		@		
HANDLING	<u>175 sks</u>	@	<u>1<sup>05</sup></u>	<u>183<sup>75</sup></u>
MILEAGE	<u>4¢ per sk/mile</u>			<u>546<sup>00</sup></u>

### EQUIPMENT

PUMP TRUCK CEMENTER Walt

# 102 HELPER Dean

BULK TRUCK

# 212 DRIVER Jeff

BULK TRUCK

# 305 DRIVER

TOTAL 2,074<sup>25</sup>

### REMARKS:

### SERVICE

Mixed 100 sks Lite, 3%cc, Tail

in w/ 75 sks com, 3%cc, Displace

Plug w/ 17 BBL water, shut in

Cement Did Circ

That's Good

DEPTH OF JOB	<u>283'</u>		
PUMP TRUCK CHARGE			<u>445<sup>00</sup></u>
EXTRA FOOTAGE		@	
MILEAGE	<u>78 miles</u>	@	<u>285</u>
PLUG	<u>8 5/8" surface</u>	@	<u>45<sup>00</sup></u>
		@	
		@	

TOTAL 712<sup>30</sup>

CHARGE TO: Horse shoe Operating

STREET 500 W Texas # 1190

CITY Midland STATE Tx ZIP 79701

### FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
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TAX \_\_\_\_\_

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

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

SIGNATURE Louis Mc Renna

PRINTED NAME \_\_\_\_\_