

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

API NO. 15- 075-206340000

County Hamilton

C - NE/4 - Sec. 22 Twp. 21 Rge. 41 X W

1320 Feet from S (circle one) Line of Section
1320 Feet from EW (circle one) Line of Section

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

Lease Name Hazlett Well # 2

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3631 KB 3636

Total Depth 2835 PBDT 2834

Amount of Surface Pipe Set and Cemented at 258 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2806

feet depth to surface w/ 525 sx cmt.

Drilling Fluid Management Plan ALT 2 094 6-17-97
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ 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: KN

Operator Contact Person: S. L. Burns

Phone (915) 683-1448

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: none

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

_____ Oil _____ SWD _____ SLOW _____ Temp. Abd.

X 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. _____

3-24-97 3-26-97 4-29-97
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

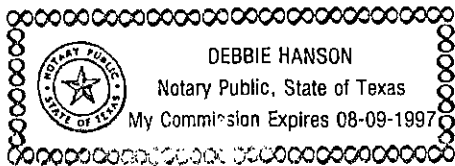
Subscribed and sworn to before me this 14 day of May, 19 97.

Notary Public Debbie Hanson

Date Commission Expires 8-9-97

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)

Rec'd 4-29-97



Operator Name Horseshoe Operating, Inc. Lease Name Hazlett Well # 2

Sec. 22 Twp. 21 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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	2329	+ 1307
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Winfield	2804	+ 832
List All E.Logs Run:				
		Dual Compensated Porosity Log		
		Dual Spaced Cement Bond Log		

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#	258	C	175	2% CaCl 1/4#/sx cel
Production	7-7/8	4-1/2	11.6#	2834	C	400	8% Gal 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	2817-2823
		12,000# 16/30 sand 25# gel	

TUBING RECORD	Size <u>2-3/8</u>	Set At <u>2825</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
4-29-97				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		270	55	

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2817-23

(If vented, submit ACO-18.) Other (Specify) _____

ALLIED CEMENTING CO., INC.

5508

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

SERVICE POINT: Oakley

DATE <u>3-26-97</u>	SEC. <u>22</u>	TWP. <u>21 S</u>	RANGE <u>41 W</u>	CALLED OUT	ON LOCATION <u>10:45 PM</u>	JOB START	JOB FINISH <u>2:30 AM</u>
LEASE <u>Hazlett</u>	WELL# <u>2</u>	LOCATION <u>Tribune Sto. L. 25-2W-1/4S</u>		COUNTY <u>Hamilton</u>	STATE <u>Kan</u>		

OLD OR NEW (Circle one) 1/4 W

CONTRACTOR MurFin Dole Co #8

TYPE OF JOB Production String

HOLE SIZE 7 7/8 T.D. 2835'

CASING SIZE 4 1/2 DEPTH 2834'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT —

CEMENT LEFT IN CSG. none

PERFS.

OWNER Same

CEMENT

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

COMMON	<u>525 "C"</u>	@	<u>9.00</u>	<u>4725.00</u>
POZMIX		@		
GEL	<u>30 SKS</u>	@	<u>9.50</u>	<u>285.00</u>
CHLORIDE		@		
<u>Salt</u>	<u>11 SKS</u>	@	<u>7.00</u>	<u>77.00</u>
<u>Flo-Seal</u>	<u>100#</u>	@	<u>1.15</u>	<u>115.00</u>
		@		
		@		
HANDLING	<u>525 SKS</u>	@	<u>1.05</u>	<u>551.25</u>
MILEAGE	<u>4¢ per SK/mile</u>			<u>1,638.00</u>

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Max</u>
# <u>102</u>	HELPER	<u>Walt</u>
BULK TRUCK		
# <u>315</u>	DRIVER	<u>Dean</u>
BULK TRUCK		
# <u>305</u>	DRIVER	<u>Jeff</u>

TOTAL 7,391.25

REMARKS:

SERVICE

Cement Dole Circ

Approx 10 BBL in Pit

Floet Held

Walt

DEPTH OF JOB	<u>2835'</u>		
PUMP TRUCK CHARGE			<u>1,030.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>78-miles</u>	@	<u>2.85</u>
PLUG		@	
		@	
		@	

TOTAL 1,252.30

CHARGE TO: Horseshoe Operating, Inc

STREET 500 W. Texas STE: 1190

CITY Midland STATE Tx ZIP 79701

FLOAT EQUIPMENT

@		
@		
@		
@		
@		

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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 Louis McRena

ORIGINAL

ALLIED CEMENTING CO., INC.

8955

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

Dalley

DATE <u>3/24/97</u>	SEC. <u>22</u>	TWP. <u>21s</u>	RANGE <u>41w</u>	CALLED OUT	ON LOCATION <u>12:45 PM</u>	JOB START <u>1:15 PM</u>	JOB FINISH <u>1:45 PM</u>
LEASE <u>Hazlett</u>	WELL# <u>2</u>	LOCATION <u>Syracuse 17N 2W 14s 4/5</u>			COUNTY <u>Hamilton</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>MURFIN #8</u>
TYPE OF JOB <u>Cmt 8 3/4 Surface CSG</u>
HOLE SIZE <u>12 1/4</u> T.D. <u>259</u>
CASING SIZE <u>8 3/4 24"</u> DEPTH <u>258</u>
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX <u>150</u> MINIMUM <u>50</u>
MEAS. LINE SHOE JOINT <u>15</u>
CEMENT LEFT IN CSG. <u>15</u>
PERFS.
DISPLACEMENT <u>15.5 MBL</u>

OWNER <u>Same</u>
CEMENT
AMOUNT ORDERED
<u>100 SKS 65/35 + 67 gal 370cc #Flt-seal</u>
<u>75 SKS Class A + 370cc</u>
COMMON <u>75 SKS @ 7²⁰ 540⁰⁰</u>
POZMIX @
GEL @
CHLORIDE <u>5 SKS @ 28⁰⁰ 140⁰⁰</u>
<u>Lite 100 SKS @ 6⁶⁵ 665⁰⁰</u>
@
@
@
HANDLING <u>175 SKS @ 1⁰⁵ 183⁷⁵</u>
MILEAGE <u>44 per sk mile 546⁰⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>Max</u>
<u>300</u> HELPER <u>Terry</u>
BULK TRUCK
<u>214</u> DRIVER <u>P. Wayne</u>
BULK TRUCK
DRIVER

TOTAL 2,074⁷⁵

REMARKS:

SERVICE

Cmt 8 3/4 surface CSG with 100 SKS 65/35 + 67 gal 370cc #Flt-seal + 75 SKS class A + 370cc Prep Plug Displace 15.5 MBL close in Head Cement did circulate

DEPTH OF JOB <u>258</u>
PUMP TRUCK CHARGE <u>445⁰⁰</u>
EXTRA FOOTAGE @
MILEAGE <u>78 miles @ 2⁸⁵ 222³⁰</u>
PLUG <u>8 5/8 Surface @ 45⁰⁰</u>
@
@

TOTAL 712³⁰

CHARGE TO: Horse shoe Operating Co. Inc
STREET 500 W Jeter #1190
CITY Midland STATE Texas ZIP 79701

FLOAT EQUIPMENT

@
@
@
@
@

TOTAL _____

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

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 Louis McRenna

PRINTED NAME _____