

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

Operator: License # 4894

Name: Horseshoe Operating, Inc.

Address 500 W. Texas, Suite 1190

City/State/Zip Midland, Tx 79701

Purchaser: Bradshaw Gathering

Operator Contact Person: S. L. Burns

Phone (915) 683-1448

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: _____

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/Reentry: Old Well Info as follows:

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. _____

12/9/98 12/11/98 12/18/98

Spud Date Date Reached TD Completion Date

API NO. 15- 071-206980000

County Greeley

C NE Sec. 22 Twp. 17 Rge. 40 ^E _W

1320 Feet from S/N (circle one) Line of Section

1320 Feet from E/W (circle one) Line of Section

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

Lease Name Diane Well # 1

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3597 KB 3606

Total Depth 3014 PBDT 3012

Amount of Surface Pipe Set and Cemented at 6 jts @ 232 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 3014

feet depth to surface w/ 575 sx cmt.

Drilling Fluid Management Plan AH-2, 2-1-99 uc
(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. _____

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 confidentially 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 Skippy & Burns

Title Vice-President Date 1/19/99

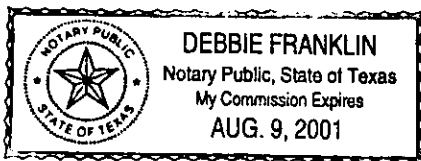
Subscribed and sworn to before me this 19 day of January, 19 99.

Notary Public Debbie Franklin

Date Commission Expires 8-9-2001

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 Diane Well # 1

Sec. 22 Twp. 17 Rge. 40 East West
County Greeley

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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datums</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Base Stone Corral</td> <td>2606'</td> <td>+1000'</td> </tr> <tr> <td>Winfield</td> <td>2908'</td> <td>+698'</td> </tr> <tr> <td>Top of Towanda</td> <td>2923'</td> <td>+683'</td> </tr> <tr> <td>Top of Ft. Riley</td> <td>2959'</td> <td>+647'</td> </tr> <tr> <td>Top of porosity</td> <td>2973'</td> <td>+633'</td> </tr> <tr> <td>Base of porosity</td> <td>2991'</td> <td>+615'</td> </tr> <tr> <td>Total Depth</td> <td>3011'</td> <td>+595'</td> </tr> </table>	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	Name	Top	Datum	Base Stone Corral	2606'	+1000'	Winfield	2908'	+698'	Top of Towanda	2923'	+683'	Top of Ft. Riley	2959'	+647'	Top of porosity	2973'	+633'	Base of porosity	2991'	+615'	Total Depth	3011'	+595'
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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	232	C	180	6040 Poz 370 CC 2% GEL
Production	7-7/8	4-1/2	10.5	3014	C	575	10% Sulf 8% Gel 44# Flo Seal

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	2964-74	1000 gal 7-1/2X HCL	
1	2981-91	12,000# sand 25# gel	

TUBING RECORD	Size 2-3/8	Set At 2998	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Waiting on evaluation		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 (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: Other (Specify) _____

ALLIED CEMENTING CO., INC. 9100

Federal Tax I.D.#

15-071-20698-00-00 ^{UF}

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

ORIGINAL

SERVICE POINT: Oakley

DATE <u>12-12-78</u>	SEC. <u>22</u>	TWP. <u>17</u>	RANGE <u>40</u>	CALLED OUT	ON LOCATION <u>4:15 AM</u>	JOB START	JOB FINISH <u>7:45 AM</u>
LEASE <u>Diane</u>		WELL # <u>1</u>	LOCATION <u>Tribune 7N-2E-14S-14W</u>		COUNTY <u>Greeley</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Murcia Dils Co #24

TYPE OF JOB Production string

HOLE SIZE 7 7/8 T.D. 3015'

CASING SIZE 4 1/2 DEPTH 3014'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 33.45'

CEMENT LEFT IN CSG. None

PERFS.

DISPLACEMENT

OWNER Same

CEMENT

AMOUNT ORDERED 125 sks "C" 10% Salt
450 sks "C", 8% Salt, 1/4" Flo-Sec

CEMENT <u>Class "C" 575</u>	@	<u>9.35</u>	<u>5,376.25</u>
POZMIX	@		
GEL <u>34 sks</u>	@	<u>9.50</u>	<u>323.00</u>
CHLORIDE	@		
<u>Flo-Sec 113 #</u>	@	<u>1.15</u>	<u>129.95</u>
<u>Salt 10 sks</u>	@	<u>7.00</u>	<u>70.00</u>
	@		
	@		
HANDLING <u>575 sks</u>	@	<u>1.05</u>	<u>603.75</u>
MILEAGE <u>4¢ per sk/mile</u>			<u>1,633.00</u>
TOTAL			<u>8,135.95</u>

EQUIPMENT

PUMP TRUCK CEMENTER Walt

300 HELPER Wayne

BULK TRUCK

303 DRIVER Loonie

BULK TRUCK

315 DRIVER Andrew

REMARKS:

SERVICE

Landed Plug

Cement Sid Circ ✓

Bill Co

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1,080.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>71 miles</u>	@ <u>2.85</u> <u>202.35</u>
PLUG <u>4" Rubber Plug</u>	@
	@
	@
STATE COMMISSION	<u>1,282.35</u>
TOTAL 1,282.35	

CHARGE TO: Horseshoe Operating, Inc

STREET 500 W Texas # 1190

CITY Midland STATE Texas ZIP 79701

Wichita, Kansas

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 Skipper L Burns

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SKIPPER L BURNS
PRINTED NAME

ALLIED CEMENTING CO., INC.

3061

Federal Tax I.D. #

15-07120698-00.00 W.F.

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

SERVICE POINT:

ORIGINAL

Oakley

DATE <u>12-9-98</u>	SEC. <u>22</u>	TWP. <u>17^s</u>	RANGE <u>40^w</u>	CALLED OUT	ON LOCATION <u>7:00 PM</u>	JOB START	JOB FINISH <u>9:00 PM</u>
LEASE <u>Diane</u>	WELL # <u>1</u>	LOCATION <u>Tribune 2N-2E-14S-14W</u>		COUNTY <u>Greeley</u>	STATE <u>Kan</u>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Mu-Fin Pds Co #24</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>232'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>232'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT	

CEMENT	
AMOUNT ORDERED <u>180 SKS 60% per</u>	
<u>3% CC - 2% Cel</u>	

COMMON	<u>108 SKS @ 7.55</u>	<u>815.40</u>
POZMIX	<u>22 SKS @ 3.25</u>	<u>234.00</u>
GEL	<u>3 SKS @ 9.50</u>	<u>28.50</u>
CHLORIDE	<u>6 SKS @ 28.00</u>	<u>168.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>180 SKS @ 1.02</u>	<u>189.00</u>
MILEAGE	<u>4¢ per SK/mile</u>	<u>511.20</u>
		TOTAL <u>1,946.10</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Walt</u>
# <u>191</u>	HELPER <u>Dean</u>
BULK TRUCK	
# <u>315</u>	DRIVER <u>JEFF</u>
BULK TRUCK	
#	DRIVER

REMARKS:

SERVICE

Cement Set Cure ✓
Walt

DEPTH OF JOB	<u>232</u>
PUMP TRUCK CHARGE	<u>470.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>71 - miles</u>	@ <u>2.85</u> <u>202.35</u>
PLUG <u>8 5/8 Surface</u>	@ <u>45.00</u>
	@
	@
TOTAL <u>717.35</u>	

CHARGE TO: Horseshoe Oper
Martin Dealing Inc.
STREET 250 N Water #300
CITY Wichita STATE Kans ZIP 67202

FLOAT EQUIPMENT

	@	
	@	
<u>22 lbs.</u>	@	
	@	
	@	

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TAX	
TOTAL CHARGE	
DISCOUNT	IF PAID IN 30 DAYS

SIGNATURE Louis McPenna

Louis McPenna
PRINTED NAME