

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: KN Energy

Operator Contact Person: S. L. Burns

Phone (915) 683-1448

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist:

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.  
X 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.

10/1/97 10/4/97 10/23/97  
Spud Date Date Reached TD Completion Date

API NO. 15-075-206410000

County Hamilton

NW SW SE Sec. 1 Twp. 22 Rge. 42 X W

1250 Feet from S/N (circle one) Line of Section

2490 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 George Well # 1

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3644' KB 3655'

Total Depth 2739 PBDT 2735

Amount of Surface Pipe Set and Cemented at 259' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from surface

feet depth to 2735 w/ 625 sx cmt.

Drilling Fluid Management Plan ALT 2 2-16-98  
(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 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.

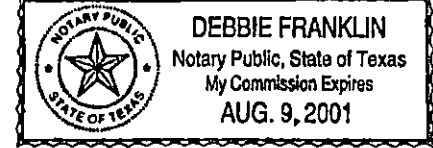
Signature Debbie E. Burns

Title Vice-President Date 11/7/97

Subscribed and sworn to before me this 7 day of November, 19 97.

Notary Public Debbie Franklin

Date Commission Expires 8-9-2001



RECEIVED  
STATE CORPORATION COMMISSION

DEC 15 1997

CONSERVATION DIVISION  
Wichita, Kansas

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)

12-15-97

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

Sec. 1    Twp. 22 Rge. 42  East  West County Hamilton

**ORIGINAL**

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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:  
 Compensated Density Neutron  
 Dual Spaced Cement Bond Log

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 Base Stone Corral 2280 +1373  
 Winfield 2280 +958

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#	259	Class A + 65/35 Poz	175	3%cc 1/4# floseal
Production	7-7/8"	4-1/2"	10.5#	2739	c	625	8% gel 1/3# floseal

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	2696'- 2708'	750 gals 7-1/2% HCL	2696 - 2708
		12,000# 16/30 sand	
		25# gel	

TUBING RECORD	Size 2-3/8	Set At 2716'	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)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas 180 Mcf	Water 9 Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 2696' - 2708'  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

# ALLIED CEMENTING CO., INC.

8900

Federal Tax I.D.# 48-0727860

15-075-20641-0000  
SERVICE POINT:

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

## ORIGINAL

*Oakley*

DATE <u>10/5/97</u>	SEC. <u>1</u>	TWP. <u>22S</u>	RANGE <u>42W</u>	CALLED OUT	ON LOCATION <u>3:00 AM</u>	JOB START <u>8:15 AM</u>	JOB FINISH <u>9:38 AM</u>
LEASE <u>C-corp</u>	WELL # <u>1</u>	LOCATION <u>Syracuse GW 12 1/2 N 1/2 W N/5</u>			COUNTY <u>Hamilton</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR MURFIN #21  
 TYPE OF JOB Cmt 4 1/2 Prod. Csg  
 HOLE SIZE 7 7/8 T.D. 2739  
 CASING SIZE 4 1/2 DEPTH 2739  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1000 MINIMUM 100  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT 43.5 BBL

OWNER  
 CEMENT  
 AMOUNT ORDERED  
500 SK Class C + 89 gel 4 #Flo-seal  
125 SKS Class C + 10% salt  
 COMMON Class "C" 625 @ 9.35 5,843.75  
 POZMIX @  
 GEL 38 SKS @ 9.50 361.00  
 CHLORIDE @  
Salt 11 SKS @ 7.00 77.00  
Flo-Seal 125 # @ 1.15 143.75  
 @  
 @  
 @  
 @  
 HANDLING 625 SKS @ 1.05 656.25  
 MILEAGE 44 per SK/mile 1,450.00  
 TOTAL ~~7,301.75~~  
8,173.15

EQUIPMENT  
 PUMP TRUCK CEMENTER Wayne  
 # 300 HELPER Max  
 BULK TRUCK  
 # 290 DRIVER LANNIE  
 BULK TRUCK  
 # 212 DRIVER Ferry

REMARKS:

SERVICE

Cmt 4 1/2 Prod csg with 500 SKS Class C + 89 gel 4 #Flo-seal + 125 SKS Class C + 10% salt Washup Pump Lines Prep Plug Displace 43.5 BBL and Plug float it w/ Cement did circulate

DEPTH OF JOB 2739  
 PUMP TRUCK CHARGE 1,080.00  
 EXTRA FOOTAGE @ 188.10  
 MILEAGE 44 - MI @ 2.85 1251.00  
 PLUG @  
 @  
 @

FFIT: Angela

TOTAL ~~7,301.75~~  
1,268.10

CHARGE TO: Horseshoe Operating  
 STREET 500 W Texas, #1190  
 CITY Midland STATE Tex 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 Skippes & Burns

PRINTED NAME

# ALLIED CEMENTING CO., INC. 8898

Federal Tax I.D.# 48-0727860

15-075-26641-0000

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

ORIGINAL

SERVICE POINT:

Oakley

DATE <u>10/1/97</u>	SEC <u>1</u>	TWP. <u>22S</u>	RANGE <u>42W</u>	CALLED OUT	ON LOCATION <u>6:00 PM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:00 AM</u>
LEASE <u>George</u>	WELL # <u>1</u>	LOCATION <u>Syracuse 10N 6W 2N 4W N1S</u>			COUNTY <u>HAMILTON</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR MURFIN #21

TYPE OF JOB CMT 8 3/4 Surface CSG

HOLE SIZE 12 1/4 T.D. 260

CASING SIZE 8 3/4 DEPTH 261

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 200 MINIMUM 50

MEAS. LINE SHOE JOINT 15

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 15.5 BBL

OWNER Sam C

CEMENT

AMOUNT ORDERED

100 SKS 65/35 + 67 gal 3% cc x # Flo-seal

75 SKS Class A + 3% cc

COMMON	<u>75 SKS</u>	@	<u>7.55</u>	<u>566.25</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>5 SKS</u>	@	<u>28.00</u>	<u>140.00</u>
	<u>Lite 100 SKS</u>	@	<u>7.05</u>	<u>705.00</u>
	<u>Flo-Seal 25#</u>	@	<u>1.15</u>	<u>28.75</u>
		@		
		@		
		@		
HANDLING	<u>175 SKS</u>	@	<u>1.05</u>	<u>183.75</u>
MILEAGE	<u>49.58 SK miles</u>			<u>462.00</u>
				TOTAL <u>2,085.75</u>

EQUIPMENT

PUMP TRUCK CEMENTER Max

# 300 HELPER Wayne

BULK TRUCK

# 347 DRIVER Jeff

BULK TRUCK

# DRIVER

REMARKS:

SERVICE

Cmt 8 3/4 surface CSG with 100 SKS 65/35 + 67 gal 3% cc x # Flo-seal + 75 SKS Class A + 3% cc. Drop Plug Displace 15.5 BBL. Close in Head Cement Did Circulate

DEPTH OF JOB	<u>261</u>		
PUMP TRUCK CHARGE			<u>470.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>66 - Mi</u>	@	<u>2.85</u>
PLUG <u>8 3/4 wooden</u>		@	<u>45.00</u>
		@	
		@	
TOTAL <u>703.10</u>			

CHARGE TO: Horseshoe operating

STREET 500 W Texas # 1190

CITY Mudland 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 S.L. Burns

RECEIVED  
STATE CORPORATION COMMISSIONER PRINTED NAME

DEC 15 1997

CONSERVATION DIVISION  
Wichita, Kansas