

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: K N Energy

Operator Contact Person: S. L. Burnis

Phone (915) 683-1448

Contractor: Name: Murfin Drilling Co., Inc.

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 PBSD
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

10/6/97 10/9/97 10/23/97
Spud Date Date Reached TD Completion Date

API NO. 15- 075-206610000

County Hamilton

C NW/4- Sec. 17 Twp. 22 Rge. 41 X 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 Sinsabaugh Well # 2

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3625' KB 3634'

Total Depth 2740 PBSD 2738

Amount of Surface Pipe Set and Cemented at 235' 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 2738 w/ 550 sx cmt.

Drilling Fluid Management Plan ALT 2 JK 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 *Shippie L Burnis*

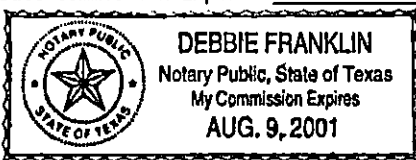
Title Vice-President Date 11/7/97

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

Notary Public *Debbie Franklin*

Date Commission Expires 8-9-2001

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION Distribution
KCC SWD/Rep NGPA
KGS Plug Other
JAN 20 1998 (Specify)



9-26-98 Form ACO-1 (7-91)

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

Sec. 17 Twp. 22 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 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 Neutron Photo Density Log
 Dual Spaced Cement Bond Log

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Base Stone Corral	2259	+1375
Winfield	2690	+944

ORIGINAL

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#	235'	Class A + Class A Lite	175	3%cc 1/4# floseal
Production	7-7/8"	4-1/2"	10.5#	2730'	c	550	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	2704 - 2718'	750 gals 7-1/2% HCL	2704-2718'
		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	2720		

Date of First, Resumed Production, SWD or Inj.	Producing Method
1-20-98	<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 210 Mcf	Water 56 Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION
 Vented Sold Used on Lease
 (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Other (Specify) _____

RECEIVED
 STATE CORPORATION COMMISSION
 JAN 26 1998
 Commingled 2704 - 2718'
 CONSERVATION DIVISION

ALLIED CEMENTING CO., INC.

8546

Federal Tax I.D. # 48-0727860

ORIGINAL

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

SERVICE POINT:
OAKLEY, KS

15-075-20661-0000

DATE <u>10-6-97</u>	SEC. <u>17</u>	TWP. <u>22S</u>	RANGE <u>H1W</u>	CALLED OUT	ON LOCATION <u>7:45 PM</u>	JOB START <u>8:30 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>SINSABAUGH</u>	WELL # <u>2</u>	LOCATION <u>TRIBUNE 205-4W-25-3/4</u>		COUNTY <u>HAMILTON</u>	STATE <u>KS</u>		
OLD OR <input checked="" type="radio"/> (Circle one)							

CONTRACTOR MURPHY DRILL. REC #24

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 235'

CASING SIZE 8 5/8" DEPTH 235'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 14 BBL

OWNER SAME

CEMENT

AMOUNT ORDERED 100 SKS LITE 3%CC 1/4 #10-SEAL
75 SKS COM 3%CC

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

300 HELPER WAYNE

BULK TRUCK

247 DRIVER ANDREW

BULK TRUCK

DRIVER

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>4 1/2 per SK/mile</u>			<u>460.00</u>
TOTAL				<u>2,085.75</u>

REMARKS:

SERVICE

CEMENT DID CIRC.

THANK YOU

Att: Angela

DEPTH OF JOB	<u>235'</u>		
PUMP TRUCK CHARGE			<u>470.00</u>
EXTRA FOOTAGE		@	<u>188.15</u>
MILEAGE	<u>4 1/2 mile</u>	@	<u>2.22</u>
PLUG	<u>8 5/8 SURFACE</u>	@	<u>45.00</u>
		@	
		@	
TOTAL			<u>709.20</u>

CHARGE TO: HORSESHOE OPERATING Co.

STREET 550 W Texas, # 1190

CITY Midland STATE TX ZIP 79701

FLOAT EQUIPMENT

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.

RECEIVED

STATE COMMISSION

JAN 26 1998

CONSERVATION DIVISION
Wichita, Kansas

TOTAL

SIGNATURE Kelly Wilson

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

ALLIED CEMENTING CO., INC.

8651

Federal Tax I.D.# 48-0727860

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

ORIGINAL

SERVICE POINT:

Oakley

15-075-20661-0000

DATE <u>10/9/97</u>	SEC. <u>17</u>	TWP. <u>22S</u>	RANGE <u>41W</u>	CALLED OUT	ON LOCATION <u>7:00AM</u>	JOB START <u>1:15PM</u>	JOB FINISH <u>2:10PM</u>
LEASE <u>Sinsbaugh</u>		WELL# <u>2</u>	LOCATION <u>Syracuse 10N 4W 1W 3/4W 5S</u>		COUNTY <u>Hamilton</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR MUFFIN #21
 TYPE OF JOB Cmt 4 1/2 Prod. Csg
 HOLE SIZE 7 7/8 T.D. 2740
 CASING SIZE 4 1/2 DEPTH 2740
 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

OWNER SAMT
 CEMENT AMOUNT ORDERED
450 sks Class C + 890 gal 4 1/2" Flo Seal
100 sks class C + 1090 salt

EQUIPMENT
 PUMP TRUCK CEMENTER Max
 # 300 HELPER Wayne
 BULK TRUCK
 # 280 DRIVER Andrew
 BULK TRUCK
 # 315 DRIVER Terry

COMMON Class C - 550 @	9.35	5,142.50
POZMIX @		
GEL 34 sks @	9.50	323.00
CHLORIDE @		
Salt 9 sks @	7.00	63.00
Flo-Seal 113 # @	1.12	129.95
HANDLING 550 sks @	1.05	577.50
MILEAGE 4¢ per SK/mile		7.75 1,452.00
TOTAL		7,751.95 9,687.95

REMARKS:

SERVICE

Cmt 4 1/2 Prod Csg with 450 sks Class C + 890 gal 4 1/2" Flo-Seal + 100 sks Class C + 1090 Salt Washup Pump + Liner Drop Plug
Displace 43.5 SKL Land Plug Float Hel
Cement Did Circulate

DEPTH OF JOB		2740
PUMP TRUCK CHARGE		1,080.00
EXTRA FOOTAGE @		188.10
MILEAGE <u>86 - MI</u> @	2.85	927.00
PLUG @		
TOTAL		1,305.10 1,268.10

Att: Angela

CHARGE TO: Horseshoe Operating
 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 Shippert Burns

RECEIVED
 COMMISSION
 JAN 2 1998
 PRINTED NAME
 CONSOLIDATION DIVISION
 Wichita, Kansas