

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 Co.
Address 500 West Texas
Suite 1190
City/State/Zip Midland Tx., 79701
Purchaser: Natural Gas Clearing House
Operator Contact Person: Jim Dixon
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/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PBTB
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) Docket No. _____

9-17-96 9-19-96 10-3-96
Spud Date Date Reached TD Completion Date

API NO. 15- 075-20606

County Hamilton

NE Sec. 7 Twp. 23 Rge. 40 X N

1250 Feet from S (circle one) Line of Section

1250 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 WHITE Well # 1

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3446 KB 3451

Total Depth 2605 PBTB 2595

Amount of Surface Pipe Set and Cemented at 265 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2604

feet depth to surface w/ 475 sz cat.

Drilling Fluid Management Plan ALT 2 JV 2-14-97
(Data must be collected from the Reserve Pit)

Chloride content 85000 ppm Fluid volume 300 bbls

Deaerating 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, 200 Colorado Derby Building, 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 Terry Maxwell

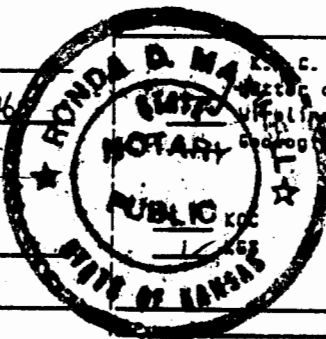
Title Consultant

Date 12-10-96

Subscribed and sworn to before me this 10 day of December 19 96

Notary Public Ronda D. Maxwell

Date Commission Expires 12-13-96



OFFICE USE ONLY
☐ Certificate of Confidentiality Attached
☐ Wireline Log Received
☐ Geologist Report Received
Distribution
☐ SWD/Rep ☐ NGPA
☐ Plug ☐ Other (Specify) JS

Operator Name Horseshoe Operating Co. Lease Name White Well # 1
 Sec. 7 Twp. 23 Rge. 40 ☐ 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 test 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:
 Neutron - Density - GR - Caliper
 Cement Bond - GR - Collar Correlation

Log	Formation (Top), Depth and Datum	Sample
Name	Top	Datum
Stone Corral	2080	+1371
Winfield	2533	+918

CASING RECORD

☐ New ☒ 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#	265	C	160	2% CaCl 1/4#/sx cel
Production	7 7/8"	4 1/2"	11.6#	2604	C	350	3% Ext 2% CaCl
"					C	125	2% CaCl 1/4# cell

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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	2567-70, 73-82	750 gal 7.5% Acid	
		12000# 16/30 Sand	
		271 bbls gelled KCL	

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
	2 3/8"	2584			
Date of <u>First</u> Resumed Production, SUD or [n]	10-2-96	Producing Method	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil	420	Water	130	
	Gas		Sls.		
			Gas-Oil Ratio		
			Gravity		

Disposition of ☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Production Interval 2567-82