

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

Operator: License # 9953
Name: HARRIS OIL AND GAS COMPANY
Address 410 17TH STREET, SUITE 2310
City/State/Zip DENVER, COLORADO 80202
Purchaser: KOCH OIL COMPANY
Operator Contact Person: BUD HARRIS
Phone (303) 623-3336
Contractor: Name: TANS PAC DRILLING CO
License: 9408
Wellsite Geologist: DAN SOMMER

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. _____
_____ 9-13-93 _____ 9-25-93 _____ 10-15-93
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20698County STANTON

C NW NW Sec. 27 Twp. 29S Rge. 39 X W
660 Feet from SW (circle one) Line of Section
660 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name MCPHERSON COLLEGE Well # 2-27Field Name WEST BIG BOWProducing Formation ST. LOUISElevation: Ground 3200 KB 3212Total Depth 5825 PBTB 5763Amount of Surface Pipe Set and Cemented at 1654 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 3096 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cm.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 2500 bblsDewatering method used CUT WINDOWS IN WALL, NATURAL DEWATERING/EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. S19N R39E W4

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-114 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to 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 W.G. Harris IIITitle PRESIDENT Date 11-11-93Subscribed and sworn to before me this 11TH day of NOVEMBER 19 93.Notary Public ALICE E. BERRYDate Commission Expires NOVEMBER 23, 1995

RECEIVED
NOV 15 1993
KANSAS CORPORATION COMMISSION
OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Geologist Report Received
Distribution
KCC ☒ SWD/Rep ☐ NGPA
KGS ☐ Plug ☐ Other ☐ (Specify) FS

Operator Name HARRIS OIL AND GAS COMPANY Lease Name MCPHERSON COLLEGE Well # 2-27Sec. 27 Twp. 29 Rge. 39☐ East
☒ WestCounty STANTON

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests ing interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static el, 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 ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)List All E.Logs Run: DIL, CNL-FDC, MICRO
BY: BPB LOGGING SERVICE/ LIBERAL, KS☒ Log ☐ Sample
Formation (Top), Depth and Datum

Name	Top	Datum
HEEBNER	3786	-574
LANSING	3882	-670
MARMATON	4470	-1258
CHEROKEE	4718	-1506
ATOKA	4844	-1632
MORROW	5182	-1970
CHESTER	5580	-2368
ST. GENEVIEVE	5638	-2426
ST. LOUIS	5714	-2502

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"	24	1654	COMMON AND	690	2% CC
PRODUCTION	7 7/8"	5 1/2"	15.5 & 14#	5789	CLASS H	150	5% KCL
							6/10% HALAD

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforator	2700' 3080'	CLASS C	300	2% CC, 1/4# FLOCELE
<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
4	5714'-30'	2000 GAL (15% NON-E) W/ 75	
		BALL SEALERS	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	5743	5680		
Date of First, Resumed Production, SWD or Inj.	11-1-93	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 170 Bbls.	Gas TSTM Mcf	Water 10 Bbls.	Gas-Oil Ratio N/A	Gra. 43.2

Disposition of Gas:

☐ Vented ☐ Sold ☒ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____Production Interval
5714'-30'