

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

COPY

rator: License # 6926Name: Advantage Resources, Inc.Address 1775 Sherman Street - Suite 1900City/State/Zip Denver Colorado 80203-4316Purchaser: KGS, COMCOOperator Contact Person: Lou BortzPhone (303) 831-1912ractor: Name: Duke Drilling Co., Inc.License: 5929Wellsite Geologist: Jerry Jespersion

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 ☐ PSTD☐ Commingled ☐ Decklet No. ---☐ Dual Completion ☐ Decklet No. ---☐ Other (SWD or Inj?) Decklet No. ----26-9710-05-9710-06-97

Spud Date

Date Reached TD

Completion Date

API NO. 15- 097-21426 0000County Kiowa County, KansasC-NE --- Sec. 20 Twp. 28 Rge. 17 XX1320 Feet from S/N (circle one) Line of Section1320 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE SE, NW or SW (circle one)Lease Name Hal Ross Well # 2Field Name HardyProducing Formation Miss. Chat (Osage)Elevation: Ground 2211' to 2222'Total Depth 4943' PSTD 4950' 4906Amount of Surface Pipe Set and Cemented at 443 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ NoIf yes, show depth set --- FeetIf Alternate II completion, cement circulated from 443feet depth to surface w/ 275 sz cat.Drilling Fluid Management Plan AH.1, 4-21-98 U.C.
(Data must be collected from the Reserve Pit)Chloride content 13,600 ppm Fluid volume 600 bblsDewatering method used EvaporationLocation of fluid disposal if hauled offsite: ---Operator Name ---Lease Name --- License No. ------ Quarter Sec. --- Twp. --- S/Rtg. --- E/WCounty --- Docket No. ---

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado
Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well.
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 Louis C. BortzTitle Louis C. Bortz, Vice President Date 11-20-97Subscribed and sworn to before me this 20th day of November
19 97Not Public Christine H. PettingerDate Commission Expires 9-9-98

K.C.C. OFFICE USE ONLY

☐ Letter of Confidentiality Attached
☒ Wireline Log Received
☒ Geologist Report Received

☒ KCC ☐ SWD/Rep ☐ KEPA
☐ KGS ☐ Plug ☒ Other
(Specify)

Operator Name Advantage Resources, Inc.Lease Name Hal RossWell # 2Sec. 20 Twp. 28 Rge. 17 ☐ EastCounty Kiowa County, Kansas☒ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests, including 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:

Dual Induction

Density/Neutron Porosity

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	1124	+1098
Howard	3656	-1434
Heebner	4084	-1862
Brown Lime	4232	-2010
Lansing	4250	-2038
Stark Shale	4543	-2321
B/Kansas City	4630	-2408
Cherokee	4771	-2549
Mississippian	4818	-2596
Kinderhook	4890	-2678
Total Depth	4941	-2719

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#	443'	60/40 Poz	275	3%cc 2%gel
Production	7-7/8"	4-1/2"	10.5#	4940'	ASC	175	5#/sk gila itc

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
2	4830-4844	1000 gal 7.5% MCA	4830-4844
		Frac'd w/ 21,000# snd	4830-4844

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	4825.98	-	☐ Yes ☒ No

Date of First, Resumed Production, SVD or Inj.	Producing Method
11-9-97	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravit
	6.68	230	0		34

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

4830-4844