

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

Operator: License # 6926  
Name: Advantage Resources, Inc.  
Address 1775 Sherman Street  
Suite 1375  
City/State/Zip Denver, CO 80203

Purchaser: \_\_\_\_\_  
Operator Contact Person: Louis C. Bortz

Phone (303) 831-1912  
Contractor: Name: Duke Drilling Co., Inc.

License: 5929  
Wellsite Geologist: J. E. Jespersion

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  EXHR  SIGW  
 Dry  Other (Core, WSV, 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 \_\_\_\_\_ PBD  
\_\_\_\_\_ Cominglead \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
11-2-92 11-10-92 2-8-93  
Spud Date Date Reached TD Completion Date

API NO. 15-097-21,334-00-00  
County Kiowa  
C. N/2. NW Sec. 24 Twp. 28S Rge. 18 X W  
750 Feet from S (circle one) Line of Section  
1300 Feet from E (circle one) Line of Section  
1310  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, SW or SW (circle one)  
Lease Name W.E. Keller Well # 1  
Field Name Hardy  
Producing Formation Miss. Chat (Osage)  
Elevation: Ground 2214 KB 2223  
Total Depth 4925 PBD 4876  
Amount of Surface Pipe Set and Cemented at 526 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 526  
feet depth to Surface w/ 280 sz. cnt.  
Drilling Fluid Management Plan DLT 1 3-3-93  
(Data must be collected from the Reserve Pit)  
Chloride content 46,000 ppm Fluid volume 3000 bbls  
Dewatering method used Evaporation  
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-4 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. Bortz  
\_\_\_\_\_  
Bortz, Vice President Date 2-16-93



Subscribed and sworn to before me this 16th day of February, 1993  
Cecily Ann Voruz  
Cecily Ann Voruz  
Notary Public  
Date Commission Expires January 27, 1994

RECEIVED  
FEB 18 1993  
2-18-93  
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  KGPA  
 KGS  Plug  Other  
(Specify) \_\_\_\_\_

SIDE TWO

Operator Name Advantage Resources, Inc. Lease Name W. E. Keller Well # 1  
 Sec. 24 Twp. 28S Age. 18  East County Kiowa  
 West

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 (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: Dual Induction - Surface to 4921' Density/Neutron Porosity-3600' to 4921' Radiation Guard log - 3600' to 4921'	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><input checked="" type="checkbox"/> Log</td> <td style="width: 60%;">Formation (Top), Depth and Datum</td> <td style="width: 10%;"><input type="checkbox"/> Sample</td> </tr> <tr> <td></td> <td style="text-align: center;"> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; text-align: left;">Name</td> <td style="width: 20%; text-align: center;">Top</td> <td style="width: 20%; text-align: center;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">1134</td> <td style="text-align: center;">+1089</td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">4054</td> <td style="text-align: center;">-1831</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">4229</td> <td style="text-align: center;">-2106</td> </tr> <tr> <td>B/Kansas City</td> <td style="text-align: center;">4628</td> <td style="text-align: center;">-2405</td> </tr> <tr> <td>Miss. Chat</td> <td style="text-align: center;">4810</td> <td style="text-align: center;">-2587</td> </tr> <tr> <td>Kinderhook</td> <td style="text-align: center;">4866</td> <td style="text-align: center;">-2643</td> </tr> <tr> <td>TD</td> <td style="text-align: center;">4925</td> <td style="text-align: center;">-2702</td> </tr> </table> </td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample		<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; text-align: left;">Name</td> <td style="width: 20%; text-align: center;">Top</td> <td style="width: 20%; text-align: center;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">1134</td> <td style="text-align: center;">+1089</td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">4054</td> <td style="text-align: center;">-1831</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">4229</td> <td style="text-align: center;">-2106</td> </tr> <tr> <td>B/Kansas City</td> <td style="text-align: center;">4628</td> <td style="text-align: center;">-2405</td> </tr> <tr> <td>Miss. Chat</td> <td style="text-align: center;">4810</td> <td style="text-align: center;">-2587</td> </tr> <tr> <td>Kinderhook</td> <td style="text-align: center;">4866</td> <td style="text-align: center;">-2643</td> </tr> <tr> <td>TD</td> <td style="text-align: center;">4925</td> <td style="text-align: center;">-2702</td> </tr> </table>	Name	Top	Datum	Anhydrite	1134	+1089	Heebner	4054	-1831	Lansing	4229	-2106	B/Kansas City	4628	-2405	Miss. Chat	4810	-2587	Kinderhook	4866	-2643	TD	4925	-2702	
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CASING RECORD <input type="checkbox"/> New <input 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	23	526	pozmix	280	2% gel 3% COI
Production	7 7/8	4 1/2	10.5	4867	EA-2	200	10% salt
						5#	Cal-Seal/Sack
							.5% Halad 322

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
2	4844 -4854	1000 gal. 15% Fe	4844-4854
<div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p style="text-align: center; margin: 0;"><b>RECEIVED</b></p> <p style="text-align: center; margin: 0;">STATE CORPORATION COMMISSION</p> <p style="text-align: center; margin: 0;"><b>FEB 18 1993</b></p> </div>			

TUBING RECORD	Size 2 3/8	Set At 4723	Packer At N/A	Liner Run <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes CONSERVATION DIVISION Wichita, Kansas
Date of First, Resumed Production, SWD or Inj. 1-20-93		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 36	Gas Mcf 129	Water Bbls. 10	Gas-Oil Ratio 3583
				Gravity 35°

Disposition of Gas: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval <u>4844-4854</u>
*KGS will install pipeline as soon as weather conditions permit.		

ORIGINAL

DrillStem Test #1

4813-4860

Strong blow off bottom of bucket  
in 1/2 minute

Gas to surface in 3 minutes IFP

5 min. gauged 687 MCFPD

10 min. gauged 796 MCFPD

15 min. gauged 796 MCFPD

Final Flow Period:

5 min. gauged 195 MCFPD

At 5 minutes into flow period well started flowing;  
mud mist changing to oil mist for 25 minutes.

Recovered: 530' Clean gassy oil  
35° API @ 60

Initial Flow Pressures: 721 to 721 / 15 min.

Initial Shut-In Pressure: 1292 / 60 min.

Final Flow Pressures: 573-784 / 30 min.

Final Shut-In Pressure: 1292 / 120 min.

Initial Hydrostatic Pressure: 2529

Final Hydrostatic Pressure: 2461

Bottomhole Temperature: 127°

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FEB 18 1993

CONSERVATION DIVISION  
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

3449

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date <i>11-2-92</i>	Sec. <i>24</i>	Twp. <i>28</i>	Range <i>18</i>	Called Out <i>3:30 Pm</i>	On Location <i>5:30 Am</i>	Job Start <i>8:30 Am</i>	Finish <i>9:00 Pm</i>
Well No. <i>#1</i>			Location <i>2 1/2 miles N. of 28 3/4 E 4 S</i>			County <i>KIOWA</i>	State <i>K.S.</i>

Contractor <i>Duke Drilling R. 54H</i>	Owner <i>Advantage Resources Inc</i>
Type Job <i>Surface pipe job</i>	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.
Hole Size <i>12 1/2"</i>	T.D. <i>535 ft</i>
Csg. <i>N.W.</i>	Depth <i>526 ft</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>15 ft</i>	Shoe Joint
Press Max.	Minimum
Meas Line <i>511 ft</i>	Displace <i>32.8</i>
Perf.	

Charge To <i>Duke Drilling</i>	
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X <i>Jan D. Schreder</i> Thank you CEMENT	
Amount Ordered <i>280 60 32cc 22cc</i>	
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	
Handling	
Mileage	
Sub Total	
Total	

EQUIPMENT

No.	Cementer	<i>Mike</i>
Pumptrk <i>120</i>	Helper	<i>Duane</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Jack S</i>
Bulktrk <i>179</i>	Driver	

DEPTH of Job <i>526 ft</i>		
Reference:	<i>Dump Truck charge</i>	
	<i>Milage charge</i>	
<i>1</i>	<i>4 1/2 wooden plugs</i>	
	Sub Total	
	Tax	
	Total	

Remarks: *Cement did Circulate*

Floating Equipment
RECEIVED
STATE CORPORATION COMMISSION
FEB 18 1993
CONSERVATION DIVISION
Wichita, Kansas

*Allied Cementing Co Inc*  
*Mike Munsch*

HALLIBURTON SERVICES

A Halliburton Company

INVOICE

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

72550 22500-01

INVOICE NO.	DATE
295255	11/10/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
W E KELLER 1	KIOWA	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PRATT	DUKE DRILLING RIG 4	CEMENT PRODUCTION CASING	11/10/1992		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO
007546	DAVID PAULEY			COMPANY TRUCK	42507

ORIGINAL

ADVANTAGE RESOURCES INC  
 C/O P. & M. PETROLEUM MANAGEMENT  
 1600 BROADWAY, SUITE 1700  
 DENVER, CO 80202

DIRECT CORRESPONDENCE TO:  
 FIRST OKLAHOMA TOWER  
 210 WEST PARK AVENUE  
 SUITE 2050  
 OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA					
000-117	MILEAGE	30	MI	2.60	78.00
		1	UNT		
001-016	CEMENTING CASING	4922	FT	1,365.00	1,365.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4 1/2	IN	35.00	35.00
		1	EA		
018-317	SUPER FLUSH	12	SK	98.00	1,176.00
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	95.00	95.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	73.00	73.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.19113					
40	CENTRALIZER 4-1/2" X 7 7/8"	10	EA	43.00	430.00
807.93004					
66	FASGRIP LIMIT CLAMP 4 1/2"	1	EA	9.60	9.60
807.64021					
504-308	STANDARD CEMENT	200	SK	6.56	1,312.00
509-968	SALT	850	LB	.10	85.00
508-127	CAL SEAL	10	SK	19.70	197.00
507-775	HALAD-322	141	LB	6.30	888.30
500-207	BULK SERVICE CHARGE	225	CFT	1.15	258.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	311.86	TMI	.80	249.49
	INVOICE SUBTOTAL				6,279.64
	DISCOUNT-(BID)				1,130.34
	INVOICE BID AMOUNT				5,149.30
	*-KANSAS STATE SALES TAX				134.39
	*-PRATT COUNTY SALES TAX				27.41
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$5,311.10

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 CONSERVATION DIVISION  
 Wichita, Kansas

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.