

FORM MUST BE TYPED

# CONFIDENTIAL

SIDE ONE

**ORIGINAL** NOV 14 1994

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 80202  
Purchaser: \_\_\_\_\_

Operator Contact Person: Lou Bortz  
Phone ( 303 ) 831-1912

Contractor: Name: Duke Drilling Co., Inc.  
License: 5929

Wellsite Geologist: Roger Welty

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  EMHR  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  PBD   
Commingled  Docket No. \_\_\_\_\_  
Dual Completion  Docket No. \_\_\_\_\_  
Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
Spud Date 10-24-94 Date Reached TD 11-03-94 Completion Date 11-03-94

API NO. 15- 097-21382-0000  
County Kiowa  
G-N/2 S/2 SW - Sec. 13 Twp. 28 Rge. 18  <sup>E</sup> <sub>W</sub>  
985 Feet from  SW (circle one) Line of Section  
1300 Feet from  EW (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or  SW (circle one)  
Lease Name Borth Well # 1  
Field Name Hardy  
Producing Formation N/A  
Elevation: Ground 2200 KB 2209  
Total Depth 4910 PBD N/A  
Amount of Surface Pipe Set and Cemented at 489 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cnt.

Drilling Fluid Management Plan ALT I 12-12-95 SK  
(Data must be collected from the Reserve Pit)  
Chloride content 5200 ppm Fluid volume 900 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_ License No. \_\_\_\_\_  
Lease Name \_\_\_\_\_  
Quarter 1 Sec. 13 Twp. 28 Rng. 18  
County Kiowa Docket No. \_\_\_\_\_

STATE CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WICHITA, KANSAS  
DEC 7 1994  
12-19-94  
RELEASED  
DEC 18 1994  
FROM CONFIDENTIAL

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: Louis C. Bortz  
Title: Vice President Date: 12-13-94  
Subscribed and sworn to before me this 13th day of December 19 94  
Notary Public: \_\_\_\_\_  
Date Commission Expires: 10-13-98

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  MGA  
 KGS  Plug  Other  
(Specify)

SIDE TWO **INTERVAL**

Operator Name: Advantage Resources, Inc. Lease Name: Borth Well # 1  
 Sec. 13 Twp. 28 Rge. 18  East  West  
 County: Kiowa

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:  
 DIL 0-4906'  
 Den-Neut 3400-4906'

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
ANHYDRITE	1127	+1082
B/ANHYDRITE	1146	+1061
TOPEKA	3633	-1424
HEEBNER	4050	-1041
DOUGLAS		
BROWN LIME	4211	-2002
LANSING	4227	-2018
B/KANSAS CITY	4630	-2411
CHEROKEE	4748	-2539
MISSISSIPPI	4804	-2595

**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"	23#	489'	60/40 Poz	280	2%gel, 3%cc

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
	NONE	

**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. NONE D & A Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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 \_\_\_\_\_

DST #1 4221-4248' (Lansing "A")

**ORIGINAL**

15" - 60" - 60" - 120"

Weak to fair blow both opens (4-5" in bucket)

Recovered:

API#15-097-21382

225' Gas in pipe  
2' Clean Oil  
28' G & OCM  
45' Watery mud w/oil spots

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Pressures:

**RELEASED**

ISIP 1417#  
FSIP 1412#  
IFP 20-27#  
2nd FP 28-57#  
HP 2010 - 1986#  
BHT 112 DGRS F

DEC 1 8 1996

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DST #2 4795 - 4836 (Mississippian Chat)

15" - 60" - 60" - 120

IF Strong Blow NGts

FF Gts 45" on 1/4" choke  
50" 1.68 MCF  
55" 3.30 MCF  
60" 3.58 MCF

Recovered 45' thin mud, 12% filtrate, 88% mud  
filtrate 5,500 Cl<sup>-</sup>, mud 8,000 Cl<sup>-</sup>

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DEC 1 3 1994  
CONSERVATION DIVISION  
WICHITA, KANSAS

ISIP 979#  
FSIP 1076#  
FP 23-25, 28-28#  
HH 2320-2294#

DST 3 4836-4861 (Mississippian Chat)

15" - 60" - 60" - 60'

IF weak to fair blow (2-10" in bucket)

FF fair to strong blow (btm of bucket in 12-15 minutes) NGTS

Recovered 880' gas in pipe, 62' mud with oil specs

ISIP 1014#  
FSIP 920#  
FP 16-23, 23-28#  
HH 2373-2294#

# ALLIED CEMENTING CO., INC.

0864

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

## ORIGINAL

SERVICE POINT:

*Madame Loise KS*  
11-8-94

DATE 11-2-94	SEC 13	TWP 28	RANGE 18W	CALLED OUT 6:00	ON LOCATION 10:00	JOB START 12:30	JOB FINISH 11:45
LEASE <i>Barth</i>	WELL # 1	LOCATION <i>Stensburg 25, 15, 14, N/S</i>			COUNTY <i>KEOWA</i>	STATE <i>KANSAS</i>	

OLD OR NEW (Circle one)

CONTRACTOR *Duke Drilling Co. INC. #5* OWNER *Advantage Res. Inc.*  
TYPE OF JOB *Rotary Plus* CEMENT

HOLE SIZE *7 7/8* TD. *4910*  
CASING SIZE *8 7/8* DEPTH *489* AMOUNT ORDERED *15.5 60/40 P&T 670 GEL*

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
DRILL PIPE *4 1/2* DEPTH *1152*

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

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#### EQUIPMENT

PUMP TRUCK # <i>255/265</i>	CEMENTER <i>Neal R</i>	HELPER <i>Carl B</i>
BULK TRUCK # <i>227</i>	DRIVER <i>Mark B</i>	
BULK TRUCK # _____	DRIVER _____	

#### REMARKS:

- Plug Water Well on old loc 10SK*
- 1st Plug @ 1152 w/ 50SK*
- 2nd Plug @ 320 w/ 50SK*
- 3rd Plug @ 40 w/ Wooded Plug + 10SK*
- Make hole w/ 10SK*
- Wash hole w/ 15SK*
- Water Well w/ 10SK*

CHARGE TO: *Duke Drilling Inc*  
STREET: *Box 823*  
CITY: *Shelton* STATE: *Ks* ZIP: *67530*

RELEASED  
DEC 18 1996  
FROM CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION  
DEC 19 1994  
CONSERVATION DIVISION  
WICHITA, KANSAS

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STATE CORPORATION COMMISSION  
DEC 19 1994  
CONSERVATION DIVISION  
WICHITA, KANSAS

DEC 01 '94 12156

904 P01

# ALLIED CEMENTING CO., INC.

0827

## ORIGINAL

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67663

SERVICE POINT:

*Medicine Lodge*

DATE <i>10/25/94</i>	SEC <i>17</i>	TWP <i>29S</i>	RANGE <i>18W</i>	CALLED OUT <i>8:30 PM</i>	ON LOCATION <i>11:00 AM</i>	JOB START <i>3:00 AM</i>	JOB FINISH <i>3:45 AM</i>
LEASE <i>Borth</i>		WELL # <i>1</i>		LOCATION <i>Greensburg 2 E 13 4 E N15</i>		COUNTY <i>McPherson</i>	STATE <i>KS</i>

OLD OR  NEW (Circle one)

CONTRACTOR <i>Duke Drilling Rig #9</i>	OWNER <i>Advantage Resources</i>
TYPE OF JOB <i>Cmt 8 7/8 Surfaced csg</i>	CEMENT
HOLE SIZE <i>12 1/4</i>	T.D. <i>490</i>
CASING SIZE <i>9 5/8 24 #</i>	DEPTH <i>439</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
RES. MAX <i>200</i>	MINIMUM <i>50</i>
WEAS. LINE	SHOE JOINT <i>17</i>
CEMENT LEFT IN CSG.	<i>17</i>
ERFS.	

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#### EQUIPMENT

UMP TRUCK	CEMENTER <i>Max Ball</i>
<i>294</i>	HELPER <i>Justin Hart</i>
OLK TRUCK	
<i>259</i>	DRIVER <i>John Kelley</i>
ILK TRUCK	
	DRIVER

#### REMARKS:

*mt 8 7/8 Surfaced csg with 280 sks  
 1/4 12 1/2 inch 3 7/8 inch Prop Plus  
 1/2 place 70 BAL close in head  
 cement did circulate*

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 STATE CORPORATION COMMISSION  
 DEC 19 1994  
 CONSUMER PROTECTION DIVISION  
 TOPEKA, KANSAS

RELEASED

DEC 18 1996

FROM CONFIDENTIAL

ARGE TO: *Duke Drilling Co.*  
 BET *Box 223*  
*Heat Bend* STATE *Ks* ZIP *67530*