

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

ORIGINAL

Operator: License # 6926

Name: Advantage Resources Inc.

Address 1775 Sherman St. - Suite 1375

City/State/Zip Denver CO 80203-4316

Purchaser: _____

Operator Contact Person: Lou Bortz

Phone (303) 831-1912

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jerry Jespersen

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 _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

07-17-96 07-25-96 07-25-96
Spud Date Date Reached TD Completion Date

API NO. 15-097-21410 0000

County Kiowa County, Kansas

C-N/2 - SW - NW Sec. 21 Twp. 28S Rng. 17 XX ^E _W

1600 Feet from S (circle one) Line of Section

600 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, N or SW (circle one)

Lease Name Peck Well # 1

Field Name Hardy

Producing Formation n/a

Elevation: Ground 2205' KB 2218'

Total Depth 4950 PBDT 4950'

Amount of Surface Pipe Set and Cemented at 446' 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 cmt.

Drilling Fluid Management Plan D&A JW 9-19-97
(Data must be collected from the Reserve Pit)

Chloride content 13,800 ppm Fluid volume 900 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

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Operator Name _____

Lease Name 8-12-96 License No. _____

AUG 12 1996 Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County CONSERVATION DIVISION Docket No. _____
WICHITA, KS

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 8-9-96
Subscribed and sworn to before me this 9th day of August,
19 96.
Notary Public Christine K. Pittinger
Date Commission Expires: 9-9-98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 XCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other _____
(Specify)

Operator Name Advantage Resources Inc.

Lease Name Peck

Well # 1

Sec. 21 Twp. 28S Rge. 17

East
 West

County Kiowa County, Kansas

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:
Den-Neut 3400-4948
DIL 0-4948
Radiation
Guard 3400-4948

Log Formation (Top), Depth and Datum Sample
Name Top Datum
(see attached)

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"	28#	446'	60/40 Poz	235	3%cc 2%gel

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. DAA Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water N/A 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 _____

ORIGINAL

15-097-21410

FORMATION ANHYDRITE	LOG	
	TOP	DATUM
TARKIO	3450	-1225
EMPORIA	3532	-1307
HOWARD	3644	-1419
HEEBNER	4076	-1851
BROWN LIME	4234	-2009
LANSING :	4252	-2027
STARK SH	4546	-2321
B/KANS CITY	4638	-2413
CHEROKEE	4774	-2549
MISSISSIPPI	4818	-2593
KINDERHOOK	4854	-2629

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AUG 12 1996

CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Advantage Resources Inc
 WELL NAME: Peck #1
 LOCATION : 21-28S-17W, Kiowa Cty KS
 INTERVAL : 4800.00 To 4835.00 ft

DATE 07/23/96

KB 2224.00 ft TICKET NO: 9363 DST #1
 GR 2211.00 ft FORMATION: Mississippi
 TD 4835.00 ft TEST TYPE: CONV

15-097-21410

RECORDED DATA

Mins	Field	1	2	3	4	TIME DATA-----
F 10 Rec.	13788	13788	10248			PF Fr. 1932 to 1942 hr
I 60 Range(Psi)	4650.0	4650.0	4400.0	0.0	0.0	IS Fr. 1942 to 2042 hr
F 19 Clock(hrs)	12	12	12			SF Fr. 2042 to 2101 hr
S 0 Depth(ft)	4832.0	4832.0	4827.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
Init Hydro	2356.0	2365.0	0.0	0.0	0.0	T STARTED 1715 hr
First Flow	186.0	179.0	0.0	0.0	0.0	T ON BOTM 1930 hr
Final Flow	181.0	179.0	0.0	0.0	0.0	T OPEN 1932 hr
In Shut-in	594.0	571.0	0.0	0.0	0.0	T PULLED 2101 hr
Init Flow	186.0	179.0	0.0	0.0	0.0	T OUT 2250 hr
Final Flow	186.0	179.0	0.0	0.0	0.0	
Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
Final Hydro	2309.0	2335.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs

RECOVERY
 Total Fluid 325.00 ft of 186.00 ft in DC and 139.00 ft in DP
 25.00 ft of Drilling mud

Wt Pulled Loose	80000.00 lbs
Initial Str Wt	66000.00 lbs
Unseated Str Wt	66000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	186.00 ft
D.P. Length	4600.00 ft

SALINITY 3000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Very weak surface blow
 Final Flow -
 No blow, flushed tool 4 minutes into
 Final Flow

MUD DATA-----	Chemical
Mud Type	
Weight	9.30 lb/cf
Vis.	53.00 S/L
W.L.	10.40 in ³
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Jerry Jespersion
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

COMMENT:
 Hole found in pipe.

SAMPLES:
 SENT TO:

Test Successful: Y

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CONSERVATION DIVISION
 WICHITA, KS

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

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AUG 12 1996

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL



ADVANTAGE
RESOURCES, INC.

1775 Sherman Street
Suite 1375
Denver, Colorado 80203
303 / 831-1912
Fax: 303 / 832-6048

August 9, 1996

Kansas Corporation Commission
130 S. Market, Rm. 2078
Wichita, KS 67202

RE: Peck #1
21-28S-17W
Kiowa County, KS

Ladies & Gentlemen:

Enclosed please find an original and two copies of ACO-1 Well History form covering the above referenced well, along with logs and supporting data.

Also enclosed is Form CP-4 Well Plugging Record with cementing information attached.

Please call if you should need any further information.

Sincerely,

A handwritten signature in black ink, appearing to read "Louis C. Bortz".

Louis C. Bortz
Vice President

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AUG 12 1996

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL



CEMENTING LOG

AUG - 5 1996
STAGE NO.

Date 7-24-96 District Med. Lodge Ticket No. 6169
Company Advantage Resources Rig Duke #7
Lease Peak Well No. 1
County McWA State Ks.
Location Berman, 1/4E-1S Field 21-28-17

CEMENT DATA:

Spacer Type: _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPC _____

LEAD: Pump Time _____ hrs. Type _____
Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPC _____

TAIL: Pump Time _____ hrs. Type _____
Excess _____

Amt. 145 Sks Yield 1.58 ft³/sk Density 13.8 PPC _____

WATER: Lead _____ gals/sk Tail 7.8 gals/sk Total 27 Bbl: _____

Pump Trucks Used 237 CARL B.
Bulk Equip. 242 TIM S.

CASING DATA: PTA Squeeze
Surface Intermediate Production Liner
Size _____ Type _____ Weight _____ Collar _____

Casing Depths: Top 447 85/8 Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars x hole
Open Hole: Size 7 7/8 T.D. 4950 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70
Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5993
Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32
Annulus: 7 7/8 Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.6474
8 5/8 Bbls/Lin. ft. .0440 Lin. ft./Bbl. 22.72
Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type mud + H₂O Amt. 15 Bbls. Weight 92.8 PP _____

Mud Type Chemical Weight 9.2 PP _____

COMPANY REPRESENTATIVE Harvey Moore

CEMENTER Harry O

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
10:40		150		10	5	Pipe set c 1160 Start H ₂ O PAD
				14	4	Start Cement w/ 50sxs.
				3	3	Start H ₂ O SPACER
10:50		100		9	3	Start mud stop pumps
				10	4	Pipe set 480'
11:15		100				Start H ₂ O PAD
				14	4	Start Cement w/ 50sxs
11:23		25		3	3	Start H ₂ O Displace Stop pumps
12:20		50		2	2	40' w/ 10sxs. Cement
12:22		50		3	2	Rate hole w/ 15sxs.
12:23		50		2	2	mouse hole w/ 10sxs. water well w/ 10sxs VED

KANSAS CORPORATION COMMISSION

AUG 16 1996

CONSERVATION DIVISION
WICHITA, KS.

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs. THANK YOU

ALLIED CEMENTING CO., INC. 4236

ORIGINAL

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

SERVICE POINT

Street Bend

DATE <i>7-18-96</i>	SEC. <i>21</i>	TWP. <i>28</i>	RANGE <i>17</i>	CALLED OUT <i>8:30 PM</i>	ON LOCATION <i>11:15 PM</i>	JOB START <i>1:45 AM</i>	JOB FINISH <i>2:15 AM</i>
LEASE <i>Peck</i>	WELL # <i>1</i>	LOCATION <i>Bremham - 1/2 E, 1/4 S, 5/8 W</i>			COUNTY <i>Nowa</i>	STATE <i>Ks</i>	

OLD OR NEW (Circle one)

CONTRACTOR <i>Duke Reg #7</i>	OWNER <i>Advantage Resources</i>
TYPE OF JOB <i>Surface</i>	CEMENT
HOLE SIZE <i>12 1/4"</i>	T.D. <i>447'</i>
CASING SIZE <i>8 3/8" mixed 28"</i>	DEPTH <i>447'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX.	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG <i>15'</i>	
<i>Displacement = 27 bbls</i>	

AMOUNT ORDERED <i>235 lbs 60/40 350 cc, 250 lbs</i>
COMMON @
POZMIX @
GEL @
CHLORIDE @
HANDLING @
MILEAGE @

EQUIPMENT

PUMP TRUCK # <i>181</i>	CEMENTER <i>Tom D</i>
	HELPER <i>Bob B</i>
BULK TRUCK # <i>261</i>	DRIVER <i>Jim W</i>
BULK TRUCK #	DRIVER

REMARKS:

Run 447' of mixed 28" 8 3/8" cas. mixed 235 lbs 60/40 350 cc, 250 lbs. Pumped plug with fresh water. Cement did circulate.

[Signature]

SERVICE

DEPTH OF JOB <i>447'</i>
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE @
PLUG <i>1-8 3/8 TWP</i> @
TOTAL

CHARGE TO: *Duke Reg*

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

TOTAL
TAX
TOTAL CHARGE
DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner-agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *[Signature]*

ALLIED CE

ALLIED CEMENTING CO., INC. 6169

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

ORIGINAL

SERVICE POINT med lodge, ks
AUG - 5 1996

DATE <u>7-24-96</u>	SEC. <u>21</u>	TWP. <u>28</u>	RANGE <u>17</u>	CALLED OUT <u>6:00 P.M.</u>	ON LOCATION <u>9:15 P.M.</u>	JOB START <u>10:30 P.M.</u>	JOB FINISH <u>12:30 A.M.</u>
LEASE <u>Peak</u>	WELL # <u>1</u>	LOCATION <u>Bermand, 1/4 E-1 S-E T10c</u>			COUNTY <u>R. GWA</u>	STATE <u>KS.</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke #7
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 T.D. 4950
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 x hole DEPTH 1160
 TOOL _____ DEPTH _____
 PRES. MAX 250 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER Advantage Resources
CEMENT

AMOUNT ORDERED 145sxs. 60/40/6%Gel

EQUIPMENT

PUMP TRUCK CEMENTER HARRY D.
 # 237 HELPER CARL B.
 BULK TRUCK _____
 # 242 DRIVER TIM S.
 BULK TRUCK _____
 # _____ DRIVER _____

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

TOTAL _____

REMARKS:

50sxs. @ 1160'
50sxs. @ 480'
10sxs. @ 40'
15sxs. Rathole
10sxs. mousehole
10sxs. water well
Cemented w/ 145sxs. 60/40/6

SERVICE

DEPTH OF JOB 1160
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG _____ @ _____
 _____ @ _____

TOTAL _____

CHARGE TO: Advantage Resources
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

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 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 16 1996

SIGNATURE [Signature]

CONSERVATION DIVISION
TULSA, OKLA. KS