

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 1900

City/State/Zip Denver, Colorado 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 SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

03-13-98 03-21-98 03-21-98
Spud Date Date Reached TD Completion Date

API NO. 15- 097-21430 0000
County Kiowa County, Kansas plugged 3/21/98
C-N/2 - NE - Sec. 19 Twp. 28S Rge. 17 XX
510 Feet from S/N (circle one) Line of Section
1320 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Wynona Ross Well # 2
Field Name Hardy
Producing Formation _____
Elevation: Ground 2211' KB 2222'
Total Depth 4920' PBTD 4900'
Amount of Surface Pipe Set and Cemented at 462 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 462
feet depth to surface w/ 275 sx cmt.
Drilling Fluid Management Plan D+A, 6-9-98 v.c.
(Data must be collected from the Reserve Pit)
Chloride content 30,000 ppm Fluid volume 900 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, 130 S. Market - Room 2078, 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 Louis C. Bortz, Vice President Date 4/15/98

Subscribed and sworn to before me this 15th day of April, 19 98.

Notary Public Christine Pittenger

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
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name Advantage Resources, Inc.

Lease Name Wynona Ross

Well # 2

Sec. 19 Twp. 28 Rge. 17

East

County Kiowa County, Kansas

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.)

Yes No

Log Sample

Samples Sent to Geological Survey

Yes No

Name Top Datum

Cores Taken

Yes No

Anhydrite 1130 +1092

Electric Log Run
(Submit Copy.)

Yes No

Topeka 3660 -1438

List All E.Logs Run:

Dual Induction Log

Neutron/Density Porosity Log

Heebner 4082 -1860

Brown Lime 4230 -2008

Lansing 4250 -2028

B/Kansas City 4632 -2410

Pawnee 4726 -2504

Cherokee 4766 -2544

Mississippian 4808 -2586

Kinderhook 4877 -2655

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	1.2-1/4"	8-5/8"	23#	462'	60/40	275	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 <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
<u>D+A</u>	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>N-A</u>				

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____

ALLIED CEMENTING CO., INC.

5905

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

RECEIVED
KANSAS CORP COMM

SERVICE POINT:

Medicine Ledge

DATE <u>7-17-98</u>	SEC. <u>19</u>	TWP. <u>28</u>	RANGE <u>17W</u>	APR 17	CALLED OUT <u>9:30 pm</u>	ON LOCATION <u>11:30 pm</u>	JOB START <u>12:00 AM</u>	JOB FINISH <u>11:50 AM</u>
LEASE <u>Allyson</u>	WELL # <u>2</u>	LOCATION <u>Frontman, Elector 25, 26, 27</u>			COUNTY <u>LeWanna</u>	STATE <u>K.S.</u>		

OLD OR NEW (Circle one)

CONTRACTOR Duke Rig 5

TYPE OF JOB Surface

HOLE SIZE 1 1/4 T.D.

CASING SIZE 8 1/2 x 23" DEPTH 413

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 200 MINIMUM 100

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 feet

PERFS. _____

OWNER Advantage Resources

CEMENT

AMOUNT ORDERED 275 sx 10:40:2+ 3% cc

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ORIGINAL

EQUIPMENT

PUMP TRUCK CEMENTER Carl Baldwin

#255-265 HELPER Shane Winsor

BULK TRUCK

#240-250 DRIVER James Heit

BULK TRUCK

_____ DRIVER _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

SERVICE

break circulation w/ rig pump

pump 2 BBLs fresh water

humb 275 sx 10:40:2+ 3% cc

shut IN stop pumps, switch valves

and Release B/L

Displace with 282 BBLs fresh water

cement did circulate. (shut IN)

DEPTH OF JOB 413

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG Rubber _____ @ _____

TOTAL _____

CHARGE TO: Advantage Resources

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] Joe Lewis, Sr.

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

BJC

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1998 APR 17 1:28

J.E. Jespersen
Petroleum Geologist
BIG J CONSULTANTS
P.O. Box 16418
Wichita, KS 67216

ORIGINAL

Advantage Resources

APR 13 1998

Geological Report

Advantage Resources, Inc.
#2 WYNONA ROSS
NE/4 (510' FNL, 1320' FEL)
Section 19-T28S-R17W
Kiowa County, Kansas

15-097-21430

Advantage Resources Inc.
#2 Wynona Ross

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J.E. Jespersen
Page 2

March 25, 1998

**#2 Wynona Ross
NE/4 (510' FNL, 1320' FEL)
Section 19-T28S-R17W
Kiowa County, Kansas**

Field:
Elevations: 2222 Kelly Bushing
2219 Derrick Floor
2211 Ground Level
Wellsite Geologist: J.E. Jespersen
Contractor: Duke Drilling Inc. -Rig #5
Commenced: March 13, 1998
Completed: March 21, 1998
Rotary Total Depth: 4920 feet
Log Total Depth: 4918 feet
Surface Casing: 8 5/8" @ 462 feet with 275 sacks
Production Casing: None - Dry and abandoned
Electrical Surveys: ELI Wireline: DI: CN-CD
Hole Size: 12 1/4" from surface to 462 feet
7 7/8" from 462 to 4920 feet
General Information: Samples saved from 3600 feet to 4920 feet (RTD).
Drilling time kept from 1100 to 1200 feet and 3600 to
4920 feet (RTD). Samples examined from 3600 to
4920 feet (RTD). Drilling supervised from 3800 feet
to RTD. Mud up at 3690 feet. Mud type, chemical.

1998 APR 17 P 1:23

FORMATION	TOP	LOG DATUM	TOP	SAMPLE DATUM	STRUCT COMP.
Anhydrite	1130	+1092	1131	+1091	1' High
Topeka	3660	-1438	3662	-1440	2' Low
Heebner	4082	-1860	4082	-1860	4' Low
Brown Lime	4230	-2008	4233	-2011	4' High
Lansing	4250	-2028	4254	-2032	6' High
B/Kansas City	4632	-2410	4636	-2414	3' High
Pawnee	4726	-2504	4731	-2509	5' High
Cherokee	4766	-2544	4770	-2548	3' High
Mississippian	4808	-2586	4812	-2590	7' High
Kinderhook	4877	-2655	4880	-2658	24' High

Reference Well/Structural Comparison: Advantage Res., Inc. #1 Wynona Ross,
NE NW/4, 19-28S-17W, Kiowa County, CO

NOTE: Pipe strap at 4834 feet was 3.09 feet short to the board.

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DAILY PENETRATION

<u>DATE</u>	<u>DEPTH</u>	<u>REMARKS</u>
3/13/98	- 0 -	Spud 4:13 pm Plug down 12:30 am 3/13/98
3/14	463'	WOC
3/15	1980'	Drilled plug 8:30 am
3/16	2880'	Drilling
3/17	3655'	Drilling
3/18	4218'	Drilling
3/19	4750'	<u>DST #1</u> <u>4717-4750</u>
3/20	4834'	<u>DST #2</u> <u>4808-4834</u>
3/21	4920'	ELI DI CN-CD RTD 11:59 3/20/98 Dry and Abandoned

1993 APR 17 11:29

BIT RECORD

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>DEPTH OUT</u>	<u>FEET</u>	<u>HOURS</u>
1	12 1/4	Reed	RT	463	463	3
2	7 7/8	W/Mc	42 CF	4834	4371	98 1/2
3	7 7/8	W/Mc	42 CF	4920	86	3 1/2

MUD RECORD

Dombar Mud Inc.

<u>CHK</u>	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>FIL</u>	<u>PH</u>	<u>PV</u>	<u>YP</u>	<u>GELS</u>	<u>CHLORIDES</u>	<u>SOL</u>
1	3736	8.8	38	14.8	11.0	16	10	4/12	4,200	3.2%
2	4270	9.0	52	16.0	10.5	17	14	8/20	2,800	4.7%
3	4750	9.3	47	12.0	10.5	17	12	8/16	3,200	6.8%
4	4830	9.3	45	14.4	10.0	17	14	10/20	6,000	6.7%

Reserve Pit

Chl 30,000
Vol 900 Bbls

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DRILL STEM TESTS

(Gary Pevoteaux)

NO	INTERVAL	IFP	ISIP	FFP	FSIP	IHP/EHP
1	4717-4150 Recovery:	28-28/20 1195' GIP 25' Slightly oil cut mud	712/60	35-30/45	664/60	2309-2251
2	4808-4834	25-25/30 GTS 26" into FFP Gauge:	1200/60 30 min. 40 50 60 70 80 90	28-30/90 3.25 mcf 4.16 4.48 4.96 6.01 6.39 7.06	1340/90	2338-2316
	Recovery:	35' Watery mud				

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Geological Formations and Porosity Zones

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A detailed lithological log was maintained from **3600 feet to 4920 feet** (RTD). The following are formation tops, recoveries of drillstem tests, descriptions of reservoirs containing shows of oil and descriptions of reservoirs felt pertinent to the **accumulation of hydrocarbons** in the area. The depths are interpolated from drillers measurements and measured from the kelly bushing.

Anhydrite	Sample	1131	+1091
	E-Log	1130	+1092

B/Anhydrite	Sample	1154	+1068
	E-Log	1152	+1070

Topeka	Sample	3662	- 1440
	E-Log	3660	- 1438

SL 3932-3942 Limestone, white to light grey, fine crystalline, fossiliferous. Fair
EL 3937-3943 interfossiliferous porosity. No shows; no fluorescence; no odor.
Judged this zone to be of no commercial value.

SL 4050-4070 Limestone, white, fine crystalline, fossiliferous, slightly chalky. Fair
EL 4048-4068 to good intergranular and interfossiliferous porosity. No shows;
no fluorescence; no odor.
Judged this zone to be of no commercial value.

Heebner	Sample	4082	-1860
	E-Log	4082	-1860

Toronto	Sample	4104	-1882
	E-log	4100	-1878

SL 4104-4111 Limestone, light buff, fine crystalline, fossiliferous. Poor
EL 4100-4104 interfossiliferous porosity. No shows; no fluorescence; no odor.
Judged this zone to be of no commercial value.

1998 APR 17 10:18 29

Geological Formations and Porosity Zones

Douglas Shale	Sample	4136	-1914
	E-Log	4130	-1908
Brown Lime	Sample	4233	-2011
	E-Log	4230	-2008
Lansing	Sample	4254	-2032
	E-Log	4250	-2028

(A-Zone)

SL 4258-4262
EL 4252-4256
Limestone, light buff, fine crystalline, oolitic, sucrosic. Good oolitic porosity. **No free oil.** *Slight show gas bubbles in wet samples. No staining of hydrocarbons. Very faint odor. The filament on the hotwire recorder was not operating the time this zone was drilled.*

Judged this zone to be of no commercial value.

SL 4289-4296
EL 4286-4290
Limestone, white, fine crystalline, fossiliferous, chalky. Fair to good intercrystalline and interfossiliferous porosity. No shows; no fluorescence.

Judged this zone to be of no commercial value.

SL 4305-4314
EL 4302-4306
Limestone, white to light grey, fine crystalline, fossiliferous, cherty. Slightly chalky. Fair to good intercrystalline porosity. No shows. No fluorescence.

Judged this zone to be of no commercial value.

SL 4347-4354
EL 4342-4350
Limestone, light buff to light grey, fine crystalline, fossiliferous. Fair interfossiliferous porosity. No shows; no fluorescence.

Judged this zone to be of no commercial value.

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Geological Formations and Porosity Zones

- SL 4368-4374 Limestone, light buff, fine crystalline, oolitic, sucrosic. Fair to
EL 4364-4369 good interoolitic oolitic porosity. No shows. No fluorescence.
Judged this zone to be of no commercial value.
- SL 4416-4422 Limestone to buff, fine crystalline, fossiliferous, slightly chalky.
EL 4412-4416 Poor to fair intergranular porosity. No shows; no fluorescence.
Judged this zone to be of no commercial value.
- SL 4441-4446 Limestone, white to light buff, fine crystalline. Fair
EL 4438-4441 interfossiliferous porosity. No shows; no fluorescence.
Judged this zone to be of no commercial value.
- SL 4458-4463 Limestone, white to buff, fine crystalline, fossiliferous. Poor to fair
EL 4454-4464 intercrystalline porosity. No shows; no fluorescence.
Judged this zone to be of no commercial value.
- SL 4476-4482 Limestone, white, fine crystalline, fossiliferous, chalky. Poor to fair
EL 4470-4474 intergranular porosity. No shows; no fluorescence.
Judged this zone to be of no commercial value.
- SL 4502-4520 Limestone, light buff, fine crystalline, fossiliferous, sucrosic. Fair
EL 4499-4512 to good intercrystalline porosity. No shows; no fluorescence.
Judged this zone to be of no commercial value.
- SL 4556-4568 Limestone, light buff, very fine crystalline, fossiliferous, cherty.
EL 4556-4562 Poor to fair intercrystalline porosity. No shows; no fluorescence.
Judged this zone to be of no commercial value.
- SL 4597-4602 Limestone, light grey to white, fine crystalline, chalky. Fair
EL 4606-4612 intergranular porosity. No shows; no fluorescence.
Judged this zone to be of no commercial value.

00Geological Formations and Porosity Zones

Base Kansas City	Sample	4636	-2414
	E-Log	4632	-2410

Marmaton	Sample	4649	-2427
	E-Log	4643	-2421

No zones of porosity encountered throughout Marmaton section.

Pawnee	Sample	4731	-2509
	E-Log	4728	-2506

SL 4734-4737 Limestone, tan, fine crystalline, sucrosic. Fair to good
EL 4728-4732 intercrystalline porosity. *Slight show of gas bubbles in wet sample. Spotted to saturated live brown oil stain; good fluorescence; fair odor. (25 unit kick on hotwire). Tested this zone. (See DST #1)*
Due to the test results, judged this zone to be of no commercial value.

Drillstem Test #1 **4717-4750**

Fair increasing to strong blow off bottom bucket
in 18 min. initial flow period.

Strong blow throughout final flow period.

Recovered: 1195' gas in pipe
25' slightly oil cut mud
(1% o, 13% w, 86%)

Initial Flow Pressures:	28# to 28# / 20 min.
Initial Shut-In Pressure:	712# / 60 min.
Final Flow Pressures:	35# to 30# / 45 min.
Final Shut-In Pressure:	644# / 60 min.
Initial Hydrostatic Pressure:	2309#
Final Hydrostatic Pressure:	2251#
Bottomhole Temperature:	112 degrees

Geological Formations and Porosity Zones

Cherokee Shale	Sample	4770	-2548
	E-Log	4766	-2544
Mississippian	Sample	4812	-2590
	E-Log	4808	-2586

SL 4812-4815 Chert, white, fossiliferous, fresh to tripolitic, fair leached and
EL 4808-4818 fractured porosity. *No free oil. Spotted brown oil stain; very dull
fluorescence.* Very faint odor. Show gas bubbles in wet sample.
(4 unit kick in hotwire). Tested this zone. (See DST #2)

SL 4815-4834 Chert, white, fossiliferous, fresh to tripolitic. Fair leached and
EL 4820-4832 fractured porosity. *No free oil. Spotted brown to dark brown oil
stain; very dull fluorescence.* Very faint odor. Show gas bubbles
in wet sample. (45 unit gas kick on hotwire. Tested this zone.
(See DST #2)

Drillstem Test #2 4808-4834

30-60-90-90
Strong blow off bttm 1 min. IF
Strong blow 26 min. into FF
Gas to surface in 30 min. Gauged 3.25 mcf
40 min. 4.16 mcf
50 min. 4.48
60 min. 4.96
70 min. 6.01
80 min. 6.39
90 min 7.06

Recovered: 35' watery mud
(16% water, 84.7% mud)

Initial Flow Pressures: 25# to 25# in 30 min.
Initial Shut-In Pressure: 1200# / 60 min.
Final Flow Pressures: 28# to 30# / 80 min.
Final Shut-In Pressure: 1340# / 90 min.
Initial Hydrostatic Pressure: 2338#
Final Hydrostatic Pressure: 2316#
Bottomhole Temperature: 116 degrees

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Advantage Resources Inc.
#2 Wynona Ross

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ORIGINAL

DRILL STEM TESTS

(Gary Pevoteaux)

15-097-21430

NO	INTERVAL	IFP	ISIP	FFP	FSIP	IHP/FHP
1	4717-4150 Recovery:	28-28/20 1195' GIP 25' Slightly oil cut mud	712/60	35-30/45	664/60	2309-2251
2	4808-4834 Recovery:	25-25/30 GTS 26" into FFP 35' Watery mud	1200/60	28-30/90 3.25 mcf 4.16 4.48 4.96 6.01 6.39 7.06	1340/90	2338-2316