

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 6926  
name Advantage Resources, Inc.  
address 1775 Sherman St., Suite 1980  
City/State/Zip Denver, Colorado 80203

Operator Contact Person John Zimmerman  
Phone 303-3311912

Contractor: license # 6033  
name Murfin Drilling Company

Wellsite Geologist John Zimmerman  
Phone 303-831-1912

PURCHASER

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable

12-3-85 12-11-85 12-11-85  
Spud Date Date Reached TD Completion Date

3735' 3734'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 210 feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated  
from 3735 feet depth to Surface w/ 570 SX cmt

API NO. 15 - 163-22,827-00-00

County Rooks

L-SE SE Sec 23 Twp 6 S Rge 20 East West

.660 Ft North from Southeast Corner of Section  
.660 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

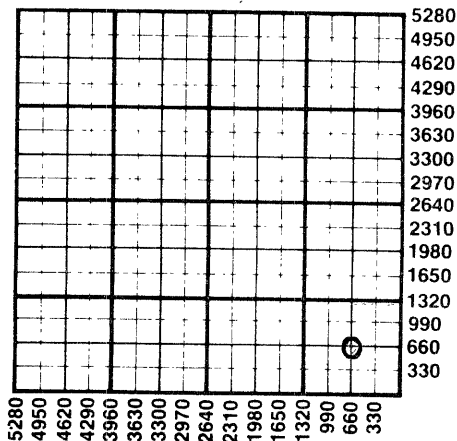
Lease Name Probasco Well# 16-23

Field Name Wildcat

Producing Formation

Elevation: Ground 2150' KB 2155

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and  
(Well) Ft West From Southeast Corner of  
Sec Twp Rge  East  West

Surface Water Ft North From Southeast Corner and  
(Stream, Pond etc.) Ft West From Southeast Corner  
SW 1/4 Sec 5 Twp 7 S Rge 19  East  West

Other (explain)  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 drillers time log shall be attached with this form. 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 [Handwritten Signature]

Title President Date 3/24/86

Subscribed and sworn to before me this 24th day of March 1986

Notary Public Gerald D. Middleton  
Date Commission Expires November 9, 1987

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

STATE CORPORATION COMMISSION Form ACO-1 (7-84)

MAR 27 1986

Operator Name Advantage Resources, Inc. Lease Name Probasco Well# 16-23 SEC 23 TWP. 6 S RGE. 20  East  West

**WELL LOG**

**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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

SEE ATTACHED

Name	Top	Bottom
Anhydrite	1754	1776
Topeka	3153	
Heebner	3351	
Toronto	3374	
Lansing - K.C.	3390	3600
Arbuckle	3645	

CASING RECORD <input checked="" 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 Production	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20 10	210' 3734'	60-40 POZ Florolite 60-40 POZ	150 335 235	2% gel 3% CC 1/4 # Flowseal 2% gel, 10% salt 3/4% CFRZ, 1/4% D-Air
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
2	3646 - 3650			250 gallons 15% MCA			
4	3652 - 3662			500 gallons 15% NE			
Slot	3664 - 3369			250 gallons 15% NE			
TUBING RECORD					Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production		Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

Disposition of gas:  vented  
 sold  
 used on lease

**METHOD OF COMPLETION**  
 open hole  perforation  
 other (specify) \_\_\_\_\_

**PRODUCTION INTERVAL**

Dually Completed.  
 Commingled

# CHEN Y TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

Dist. McCook Neb.

## TEST TICKET

Company <u>Advantage Resources</u>	Test No. <u># 1</u>
Well Name & Number <u>Probaseco #16-23</u>	Zone Tested <u>Topeka</u>
Company Address <u>1775 Sherman St, Suite 1980 Denver Colo 80203</u>	Date <u>12-7-85</u>
Company Rep. <u>John Zimmermann</u>	Tester <u>Mike Finnesy</u>
Contractor <u>Murfin dalg #2</u>	Elevation <u>2155 Kib.</u>
Location: Sec. <u>23</u> Twp. <u>6S</u> Rge. <u>20W</u> Co. <u>Rooks</u> State <u>Ks</u>	

Recorder No. 13226 Type AK-I Range 1000 PSI  
 Recorder Depth 3322 Clock # 23938

(A) Initial Hydrostatic Mud 1567 PSI  
 (B) First Initial Flow Pressure 10 PSI  
 (C) First Final Flow Pressure 80 PSI  
 (D) Initial Shut-in Pressure 1098 PSI  
 (E) Second Initial Flow Pressure 100 PSI  
 (F) Second Final Flow Pressure 120 PSI  
 (G) Final Shut-in Pressure 1078 PSI  
 (H) Final Hydrostatic Mud 1189 PSI

Temperature 104°F  
 Mud Weight 9.0 36 Viscosity  
 Fluid Loss 10.4  
 Interval Tested 3303 to 3327  
 Anchor Length 24  
 Top Packer Depth 3298  
 Bottom Packer Depth 3303  
 Total Depth 3327  
 Drill Pipe Size 1 1/2 x 1 1/2  
 Wt. Pipe I. D. 2.25 Ft. Run 245  
 Recovery—Total Feet 210 ft  
 Rec. 210 ft muddy water (no show)  
 Rec. Temp. 77.6°F Run. 0.18 ckl. 35,000  
 Rec. \_\_\_\_\_  
 Rec. \_\_\_\_\_  
 Rec. \_\_\_\_\_  
 Rec. \_\_\_\_\_

Recorder No. 13225 Type AK-I Range 3920 PSI  
 Recorder Depth 3319 Clock # 25561  
 Tool Open Before I. S. I. 60 Mins.  
 Initial Shut-in 60 Mins.  
 Flow Period 60 Mins.  
 Final Shut-in 60 Mins.  
 T Choke Size 1" Hole Size 7 1/8"  
 B Choke Size 3/4" Rubber Size 6 3/4"  
 Tool Open @ 12:05 a.m.  
 Blow IF - Good blow built to 6"  
 Remarks FF - Fair blow built to 3"

*Thank you.*

Pit Mud Temp. 77.2°F Run. 2.04 ckl. 2,500

Test .....	\$ <u>550.00</u>
Straddle .....	_____
Bowen Jars .....	_____
Safety Joint .....	_____
Selective Zone Tool .....	_____
Sampler .....	_____
Extra Packer .....	_____
Circulating Sub .....	_____
Down Hole Insurance .....	_____
Price of Job .....	\$ <u>550.00</u>

### CHENEY TESTING COMPANY, INC.

Approved By \_\_\_\_\_  
 Our Representative Mike Finnesy

STATE CORPORATION COMMISSION  
**MAR 27 1985**  
 CONSERVATION DIVISION  
 Wichita, Kansas

**TICKET NO 14493**

# CHENEY TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

Dist. McCook Neb.

## TEST TICKET

Company <u>Advantage Resources</u>	Test No. <u>#2</u>
Well Name & Number <u>Probasco #16-23</u>	Zone Tested <u>Toronto &amp; Lansing A'</u>
Company Address <u>1775 Sherman St. Suite 1980 Denver Colo 80203</u>	Date <u>12-7-85</u>
Company Rep. <u>John Zimmermann</u>	Tester <u>Mike Finney</u>
Contractor <u>Murfin daly #2</u>	Elevation <u>2155 Kib.</u>
Location: Sec. <u>23</u> Twp. <u>6s</u> Rge. <u>20w</u> Co. <u>Rooks</u> State <u>Ks</u>	

Recorder No. 13276 Type AK-I Range 6000 PSI

Recorder No. 13275 Type AK-I Range 3500 PSI

Recorder Depth 3395 Clock # 23938

Recorder Depth 3392 Clock # 25561

(A) Initial Hydrostatic Mud 1606 PSI

Tool Open Before I. S. I. 60 Mins.

(B) First Initial Flow Pressure 100 PSI

Initial Shut-in 60 Mins.

(C) First Final Flow Pressure 230 PSI

Flow Period 60 Mins.

(D) Initial Shut-in Pressure 1118 PSI

Final Shut-in 60 Mins.

(E) Second Initial Flow Pressure 260 PSI

T Choke Size 1" Hole Size 7 7/8

(F) Second Final Flow Pressure 330 PSI

B Choke Size 7/8" Rubber Size 6 3/4

(G) Final Shut-in Pressure 1059 PSI

Tool Open @ 8:40 p.m.

(H) Final Hydrostatic Mud 1557 PSI

Blow IF - Strong blow built to

Temperature 105°F

Remarks of bottom of bucket in 30 min.

Mud Weight 8.9 35 Viscosity

FF - Strong blow off Bottom

Fluid Loss 9.4

at Bucket in 50 min.

Interval Tested 3332-3400

Anchor Length 68

Top Packer Depth 3327

Bottom Packer Depth 3332

Total Depth 3400

Drill Pipe Size 4 1/2 FH

WT. Pipe I. D. 2.25 Ft. Run 245

Recovery—Total Feet 560 ft

Rec. 180-ft muddy water

Rec. 380-ft Salt water

Rec. \_\_\_\_\_

Rec. Top Temp. 69.7°F R<sub>w</sub> 0.23 chl. 30,000

Rec. Bot. Temp. 71.3°F R<sub>w</sub> 0.14 chl. 50,000

Rec. \_\_\_\_\_

Rec. \_\_\_\_\_

PA Mud Temp. 72.0°F R<sub>w</sub> 1.55 chl. 3,200

Thank you.

Test .....	<u>\$550.00</u>
Straddle .....	_____
Bowen Jars .....	_____
Safety Joint .....	_____
Selective Zone Tool .....	_____
Sampler .....	_____
Extra Packer .....	_____
Circulating Sub .....	_____
Down Hole Insurance .....	_____
Others .....	_____
Price of Job .....	<u>\$550.00</u>

### CHENEY TESTING COMPANY, INC.

RECEIVED  
STATE CORPORATION COMMISSION  
**MAR 27 1986**  
Price of Job .....

Approved By \_\_\_\_\_

Our Representative Mike Finney

CONSERVATION DIVISION  
Wichita, Kansas  
**TICKET NO 14494**

# CHENEY TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

Dist. McCook No. 6

## TEST TICKET

Company <u>Advantage Resources</u>	Test No. <u># 3</u>
Well Name & Number <u>Probasco # 16-23</u>	Zone Tested <u>L-KC B-C-A</u>
Company Address <u>1775 Sherman St. Suite 1980 Denver Colo 80203</u>	Date <u>12-8-85</u>
Company Rep. <u>John Zimmermann</u>	Tester <u>Mike Finney</u>
Contractor <u>Martin drlg # 2</u>	Elevation <u>2155 Kib.</u>
Location: Sec. <u>23</u> Twp. <u>6S</u> Rge. <u>20W</u> Co. <u>Rooks</u> State <u>Ks</u>	

Recorder No. 13276 Type AK-1 Range 1000 PSI

Recorder No. 13275 Type AK-1 Range 3950 PSI

Recorder Depth 3161 Clock # 23938

Recorder Depth 3458 Clock # 25561

(A) Initial Hydrostatic Mud 1641 PSI

Tool Open Before I. S. I. 60 Mins.

(B) First Initial Flow Pressure 70 PSI

Initial Shut-in 60 Mins.

(C) First Final Flow Pressure 90 PSI

Flow Period 60 Mins.

(D) Initial Shut-in Pressure 1144 PSI

Final Shut-in 60 Mins.

(E) Second Initial Flow Pressure 140 PSI

T Choke Size 1" Hole Size 7 7/8

(F) Second Final Flow Pressure 160 PSI

B Choke Size 3/4" Rubber Size 6 3/4

(G) Final Shut-in Pressure 1115 PSI

Tool Open @ 3:10 pm.

(H) Final Hydrostatic Mud 1571 PSI

Blow IF - Good blow built to 8"

Temperature 105°F

Remarks FF - fair blow built to 5"

Mud Weight 8.9 39 Viscosity

Fluid Loss 8.0

Interval Tested 3411 - 3466

Anchor Length 55

Top Packer Depth 3406

Bottom Packer Depth 3411

Total Depth 3466

Drill Pipe Size 4 1/2 FH

Wt. Pipe I. D. 2.25 Ft. Run 245

Recovery—Total Feet 275 ft.

Rec. 275 ft Muddy water w/seum of oil

Rec. \_\_\_\_\_

Rec. Top: Temp. 72.5°F Rv 0.27 ckl. 25,000

Rec. \_\_\_\_\_

Rec. Bot: Temp. 73.9°F Rv 0.18 ckl. 35,000

Rec. \_\_\_\_\_

Pit mud Temp. 59.9°F Rv. 1.65 ckl. 3,800

- Test ..... \$ 550 =
- Straddle .....
- Bowen Jars .....
- Safety Joint .....
- Selective Zone Tool .....
- Sampler .....
- Extra Packer .....
- Circulating Sub .....
- Down Hole Insurance .....
- Others .....
- Price of Job ..... \$ 550 =

### CHENEY TESTING COMPANY, INC.

Approved By \_\_\_\_\_

MAR 27 1986  
 CONSERVATION DIVISION  
 Wichita, Kansas

Our Representative Mike Finney

**TICKET N° 14495**

# CHENEY TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

Dist. McCook Neb.

## TEST TICKET

Company <u>Advantage Resources</u>	Test No. <u>#4</u>
Well Name & Number <u>Prohasco #16-23</u>	Zone Tested <u>L-KK H, I, &amp; J</u>
Company Address <u>1725 Sherman St. Suite 1980</u>	Date <u>12-9-85</u>
Company Rep. <u>John Zimmermann</u> <span style="font-size: small;">Denver Colo 80203</span>	Tester <u>Mike Finnesy</u>
Contractor <u>Murfin drlgy #2</u>	Elevation <u>2155 K.b.</u>
Location: Sec. <u>23</u> Twp. <u>6S</u> Rge. <u>20W</u> Co. <u>Rooks</u> State <u>Ks.</u>	

Recorder No. 13276 Type AK-I Range 4000 PSI

Recorder Depth 3565 Clock # 23938

(A) Initial Hydrostatic Mud 1780 PSI

(B) First Initial Flow Pressure 80 PSI

(C) First Final Flow Pressure 90 PSI

(D) Initial Shut-in Pressure 757 PSI

(E) Second Initial Flow Pressure 90 PSI

(F) Second Final Flow Pressure 100 PSI

(G) Final Shut-in Pressure 240 PSI

(H) Final Hydrostatic Mud 1691 ~~1801~~ PSI

Temperature 105°F

Mud Weight 91 41 Viscosity

Fluid Loss 10.6

Interval Tested 3493-3520

Anchor Length 77'

Top Packer Depth 3488

Bottom Packer Depth 3493

Total Depth 3520

Drill Pipe Size 1 1/2 FH

WT. Pipe I. D. 2.25 Ft. Run 245

Recovery—Total Feet 805f

Rec. 805f mud (no show)

Rec. Temp. 82.3°F Rw. 1.27 chl. 3,200

Rec. \_\_\_\_\_

Rec. \_\_\_\_\_

Rec. \_\_\_\_\_

Rec. \_\_\_\_\_

P.9 mud Temp. 81.3°F Rw. 1.31 chl. 3,800

### CHENEY TESTING COMPANY, INC.

Approved By John Zimmermann

Our Representative Mike Finnesy

Recorder No. 13275 Type AK-I Range 3920 PSI

Recorder Depth 3562 Clock # 25561

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 60 Mins.

Flow Period 15 Mins.

Final Shut-in 30 Mins.

T Choke Size 1" Hole Size 7 7/8

B Choke Size 3/4" Rubber Size 6 3/4

Tool Open @ 2:55 p.m.

Blow IF - Very weak 1/2 inch blow

Remarks decreased and died in 24 min.

IF - No blow - Flushed tool

Weak surge no blow

Thank you!

- Test ..... \$ 550<sup>00</sup>
- Straddle .....
- Bowen Jars .....
- Safety Joint .....
- Selective Zone Tool .....
- Sampler .....
- Extra Packer .....
- Circulating Sub .....
- Down Hole Insurance .....
- Others .....
- Price of Job ..... \$ 550<sup>00</sup>

RECEIVED  
STATE CORPORATION COMMISSION

MAR 27 1986

CONSERVATION DIVISION  
Wichita, Kansas

TICKET NO. 14496

# CHENEY TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

Dist. McCook Neb

## TEST TICKET

Company <u>Advantage Resources</u>	Test No. <u>#5</u>
Well Name & Number <u>Probasco # 16-23</u>	Zone Tested <u>Arbuckle</u>
Company Address <u>1775 Sherman St. Suite 1980 Denver</u>	Date <u>12-10-85</u>
Company Rep. <u>Ed Ackman</u> <span style="float: right; font-size: small;">Cch. 80203</span>	Tester <u>Mike Finney</u>
Contractor <u>MurSin ddy #2</u>	Elevation <u>2155 Kib.</u>
Location: Sec. <u>23</u> Twp. <u>6.5</u> Rge. <u>20W</u> Co. <u>Parks</u> State <u>KS</u>	

Recorder No. 13276 Type AK-I Range 4000 PSI

Recorder Depth 3665 Clock # 23938

(A) Initial Hydrostatic Mud 1872 PSI

(B) First Initial Flow Pressure 50 PSI

(C) First Final Flow Pressure 20 PSI

(D) Initial Shut-in Pressure 873 PSI

(E) Second Initial Flow Pressure 80 PSI

(F) Second Final Flow Pressure 80 PSI

(G) Final Shut-in Pressure 805 PSI

(H) Final Hydrostatic Mud 1724 PSI

Temperature 102°F

Mud Weight 9.1 41 Viscosity

Fluid Loss 10.6

Interval Tested 3645 - 3670

Anchor Length 25

Top Packer Depth 3640

Bottom Packer Depth 3645

Total Depth 3670

Drill Pipe Size 1 1/2 FH

Wt. Pipe I. D. 2.25 Ft. Run 245

Recovery—Total Feet 135 ft

Rec. 45 ft. Clean Oil (31 gravity)

Rec. 90 ft D.C.M. 60% mud 40% oil

Rec. \_\_\_\_\_

Rec. \_\_\_\_\_

Rec. \_\_\_\_\_

Rec. \_\_\_\_\_

Pit Mud Temp 78.0°F Rvw 1.29 Chk 3,800

Recorder No. 13275 Type AK-I Range 3900 PSI

Recorder Depth 3662 Clock # 25561

Tool Open Before I. S. I. 60 Mins.

Initial Shut-in 60 Mins.

Flow Period 60 Mins.

Final Shut-in 60 Mins.

T Choke Size 1" Hole Size 7 3/4

B Choke Size 3/4" Rubber Size 6 3/4

Tool Open @ 7:15 a.m.

Blow IF - fair blow built to

Remarks 4 1/2"

IF - No blow - Flashed tool joint

into mud open - Good Surge, Weak

blow built to 1"

\_\_\_\_\_

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**CHENEY TESTING COMPANY, INC.**

Approved By [Signature]

Our Representative Mike Finney

Thank you!

Test ..... \$ 550.00  
 Straddle .....  
 Bowen Jars .....  
 Safety Joint .....  
 Selective Zone Tool .....  
 Sampler .....  
 Extra Packer .....  
 Circulating Sub .....  
 Down Hole Insurance .....  
 Others .....  
 Price of Job ..... \$ 550.00

MAR 27 1985

TICKET NO 14497