

ORIGINAL

SIDE ONE

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

API NO. 15- 199-20193-00-00

County Wallace

SW SW SW Sec. 32 Twp. 14S Rge. 40W East West

330 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

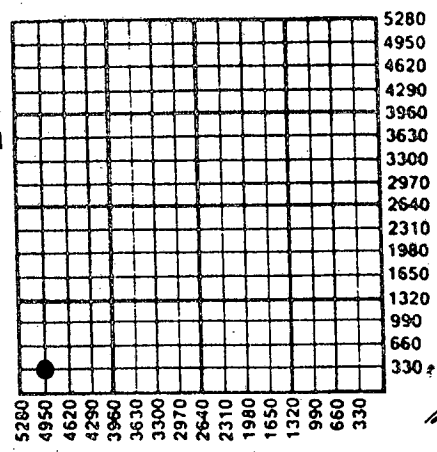
Lease Name Pletcher Well # 14-32

Field Name Wildcat

Producing Formation N/A

Elevation: Ground 3703 KB 9.5

Total Depth 5210 PBD



Amount of Surface Pipe Set and Cemented at 354 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.

Operator: License # 09995

Name: Nicor Exploration

Address 1050 17th Street
Suite 1100

City/State/Zip Denver, CO 80265-1101

Purchaser: _____

Operator Contact Person: C. M. Castor

Phone (303) 893-1666

Contractor: Name: Murfin Drilling Company

License: 6033

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

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

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

06-18-90 06-28-90 06-29-90
Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION
JUL 19 1990
07-19-90
CONSERVATION DIVISION
Wichita, Kansas

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 [Signature]

Title Jack E. Goss, Agent for Operator Date 7-11-90

Subscribed and sworn to before me this 11th day of July, 19 90.

Notary Public [Signature]

Melanie Rau
Date Commission Expires 4-18-93

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)

MELANIE RAU
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 4-18-93

SIDE TWO

Operator Name Nicor Exploration Lease Name Pletcher Well # 14-32

Sec. 32 Twp. 14S Rge. 40W East West
 County Wallace

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.)

Name	Formation Description	
	Top	Bottom
Stone Corral	2750	Base Stone Corral 2775
	<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample
Heebne	4025	
Toronto	4043	
Lansing	4090	
Marmalon	4500	
Cherokee	4646	
Atoka	4784	
Morrow	4938	

DP-1-73

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"		354	Lite	125	3%CC
					Common	75	3%CC

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production 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 Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

15-199-20193-00-06

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	PLETCHER #14-32	Test No.	1	Date	6/24/90
Company	NICOR EXPLORATION	Zone Tested	LANSING		
Address	1050 17th ST SWT 1100 DENVER CO		Elevation	3711 KB	
Co. Rep./Geo.	MR JIM CLOWE	Cont.	MURFIN DRLG RIG #16	Est. Ft. of Pay	11
Location: Sec.	32	Twp.	14S	Rge.	40W
			Co.	WALLACE	State KANSAS

Interval Tested	4177-4264	Drill Pipe Size	4.5" XH
Anchor Length	87	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4172	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	4177	Wt. Pipe I.D. — 2.7 Ft. Run	0
Total Depth	4264	Drill Collar — 2.25 Ft. Run	122.84
Mud Wt.	8.6 lb/gal.	Viscosity	46
		Filtrate	10.4
Tool Open @	10:08 AM	Initial Blow	FAIR BLOW BUILDING TO BOTTOM OF BUCKET
			IN 2 MIN-BLED OFF 2" ON SHUTIN FOR 5 MIN-NO BLOW BACK
Final Blow	FAIR BLOW BUILDING TO BOTTOM OF BUCKET IN 2 MINUTES-BLED 2" FOR 5 MINUTES ON SHUTIN-NO BLOW BACK		

Recovery — Total Feet	2160	Flush Tool?	
Rec.	2160	Feet of	MUDDY SALTY SULFAR WATER-DROPPED BAR-
Rec.	0	Feet of	UNKNOWN FEET OF DIFFERENTIAL
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT	124	°F Gravity		°API @	0	°F Corrected Gravity	0	°API	
RW		@		°F Chlorides		ppm Recovery	6000	Chlorides	
				2005.6				13615	ppm System
(A) Initial Hydrostatic Mud		PSI	AK1 Recorder No.	13615	Range				4575
(B) First Initial Flow Pressure	136.5	PSI	@ (depth)	4179	w/Clock No.				27501
(C) First Final Flow Pressure	241.2	PSI	AK1 Recorder No.	10248	Range				4400
(D) Initial Shut-In Pressure	1231.4	PSI	@ (depth)	4261	w/Clock No.				27567
(E) Second Initial Flow Pressure	310.2	PSI	AK1 Recorder No.	0	Range				0
(F) Second Final Flow Pressure	1075.4	PSI	@ (depth)	0	w/Clock No.				0
(G) Final Shut-In Pressure	1210.3	PSI	Initial Opening	5					
(H) Final Hydrostatic Mud	1971.4	PSI	Initial Shut-In	60					
			Final Flow	60					
			Final Shut-In	120					

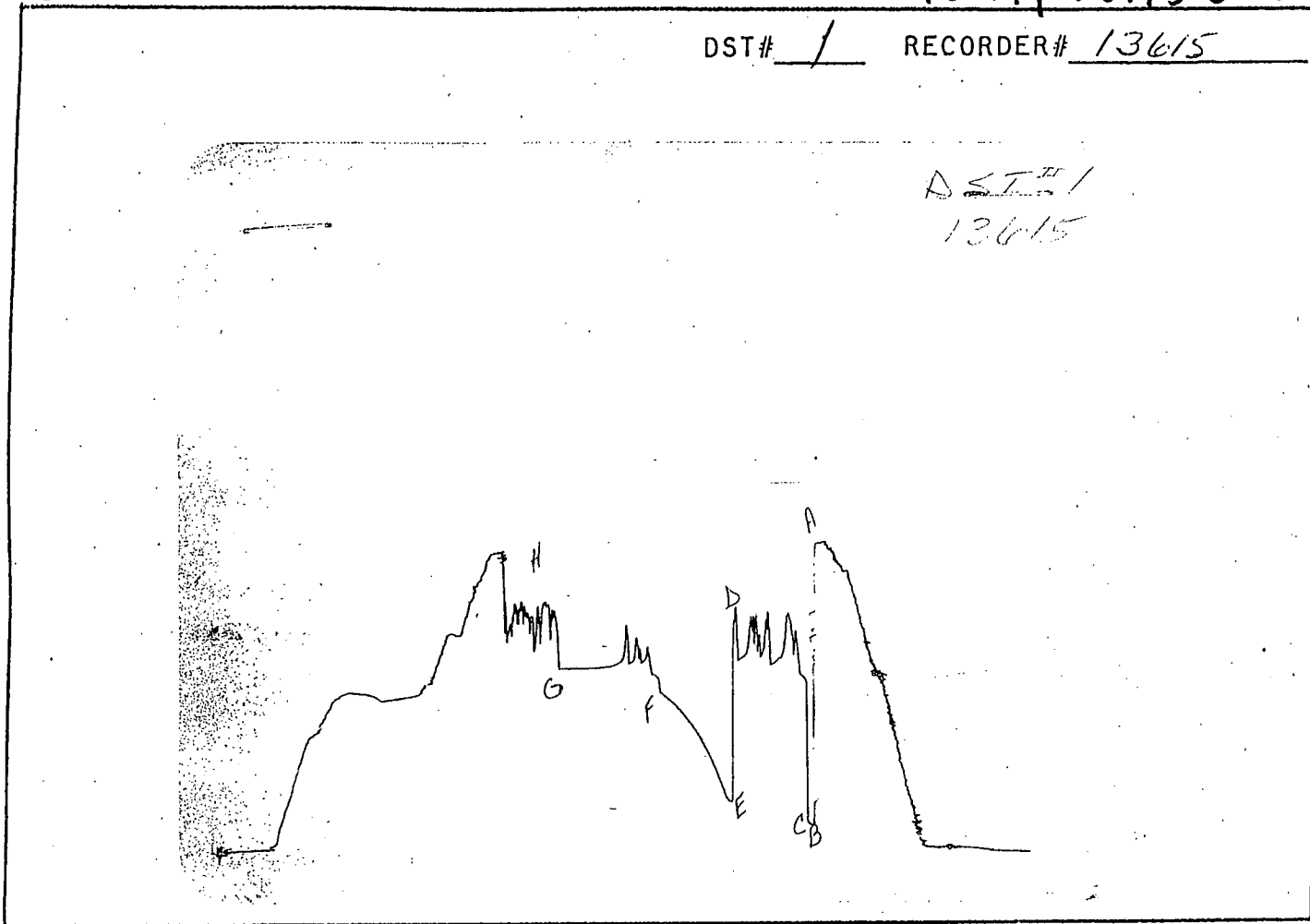
MR ROGER F SELLS

935

Our Representative

TOTAL PRICE \$

DST# 1
13615



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2002	2005.6	PSI
(B) First Initial Flow Pressure.....	135	136.5	PSI
(C) First Final Flow Pressure.....	236	241.2	PSI
(D) Initial Closed-In Pressure.....	1228	1231.4	PSI
(E) Second Initial Flow Pressure.....	304	310.2	PSI
(F) Second Final Flow Pressure.....	1064	1075.4	PSI
(G) Final Closed-In Pressure.....	1206	1210.3	PSI
(H) Final Hydrostatic Mud.....	1969	1971.4	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 2887 Date 6/24/90
 Company Name NICOR EXPLORATION
 Lease PLETCHER #14-32 Test No. 1
 County WALLACE Sec. 32 Twp. 14S Rng. 40W

SAMPLER RECOVERY

Gas 0 ML
 Oil 0 ML
 Mud 200 ML
 Water 2000 ML
 Other 1800 ML
 Pressure 0 PSI
 Total 0 ML

PIT MUD ANALYSIS

Chlorides 6000 ppm.
 Resistivity .9 ohms @ 80 F
 Viscosity 46
 Mud Weight 8.6
 Filtrate 10.4
 Other _____

SAMPLER ANALYSIS

Resistivity .226 ohms @ 90.6 F
 Chlorides 26000 ppm.
 Gravity 0 corrected @ 60 F

PIPE RECOVERY

TOP
 Resistivity .253 ohms @ 93.8 F
 Chlorides 20000 ppm.
 MIDDLE
 Resistivity .236 ohms @ 97.9 F
 Chlorides 21000 ppm.
 BOTTOM
 Resistivity .219 ohms @ 91.2 F
 Chlorides 25000 ppm.

TRILOBITE TESTING COMPANY 15-199-20193-05-66

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No 2887

Well Name & No. Pletcher # 14-32 Test No. 1 Date 6-24-90
 Company Nicer Exploration Zone Tested Lansing
 Address 1050 17th St. Suite 1100 Denver, Co. Elevation 3711 KB
 Co. Rep. / Geo. Jim Clowe Cont. Whurfin Rig # 16 Est. Ft. of Pay 11'
 Location: Sec. 32 Twp. 14 Rge. 40 Co. Wallace State KS.
 No. of Copies 16 Distribution Sheet Yes No Turnkey Yes No

Interval Tested 4177 - 4264 Drill Pipe Size 4 1/2 X H
 Anchor Length 87' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4172 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4177 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4264 Drill Collar — 2.25 Ft. Run 122.24
 Mud Wt. 8.6 lb / gal. Viscosity 46 Filtrate 10.4

Tool Open @ 10:08 AM Initial Blow fair blow building to bottom of bucket in 2 min. Blud off 2" on shut in for 5 min. No blow back
 Final Blow fair blow building to bottom of bucket in 2 min. Blud 2" for 5 min. on shut in. No blow back.

Recovery — Total Feet 2160' Flush Tool? _____
 Rec. 2160 Feet of Whorly's Salty Sulfur Water
 Rec. _____ Feet of Dropped bar - unknown ft. of differential
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 124 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud 2002 PSI AK1 Recorder No. 13615 Range 4525
 (B) First Initial Flow Pressure 135 PSI @ (depth) 4177 w/Clock No. 27501
 (C) First Final Flow Pressure 236 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 1228 PSI @ (depth) 4261 w/Clock No. 27507
 (E) Second Initial Flow Pressure 304 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 1064 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1206 PSI Initial Opening 5 Test 400⁰⁰
 (H) Final Hydrostatic Mud 1969 PSI Initial Shut-In 60 Jars 200⁰⁰
 Final Flow 60 Safety Joint 50⁰⁰
 Final Shut-In 120 Straddle _____

Approved By McClure 1460 Circ. Sub 35
 Our Representative Roger J. S. H. Sampler 150⁰⁰
 Extra Packer _____ Other _____
 TOTAL PRICE \$ 835⁰⁰

15-199-20193-00-00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	PLETCHER #14-32	Test No.	2	Date	6/27/90
Company	NICOR EXPLORATION	Zone Tested	MORROW		
Address	1050 17th ST SWT 1100 DENVER CO		Elevation	3711 KB	
Co. Rep./Geo.	MR JIM CLOWE	Cont.	MURFIN RIG #16	Est. Ft. of Pay	13
Location: Sec.	32	Twp.	14S	Rge.	40W
		Co.	WALLACE	State	KANSAS

Interval Tested	4890-4995	Drill Pipe Size	4.5" XH
Anchor Length	105	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4885	Hole Size — 77/8"	Rubber Size — 63/4"
Bottom Packer Depth	4890	Wt. Pipe I.D. — 2.7 Ft. Run	0
Total Depth	4995	Drill Collar — 2.25 Ft. Run	122.84
Mud Wt.	8.9 lb/gal.	Viscosity	56
		Filtrate	9.2

Tool Open @ 2:46 AM Initial Blow GOOD BLOW TO BOTTOM OF BUCKET IN 1 MINUTE-BLED 2" FOR 5 MIN-BLOW BACK BUILDING TO 4.5" AT OPENING

Final Blow BLOW TO BOTTOM OF BUCKET IN 30 SECONDS-BLOW SLOWLY DYING OFF-BLED 2" FOR 5 MIN-NO BLOW BACK ON SHUTIN

Recovery — Total Feet	2490	Flush Tool?	
Rec. 500	Feet of	SLIGHTLY WATER CUT MUD	
Rec. 1990	Feet of	VERY SLIGHTLY GAS CUT SALT WATER	
Rec. 0	Feet of		
Rec. 0	Feet of		
Rec. 0	Feet of		

BHT	126 °F	Gravity		°API @	0	°F	Corrected Gravity	0	°API
RW	@	°F	Chlorides	ppm	Recovery	Chlorides	11000	ppm	System
(A) Initial Hydrostatic Mud	2361.2	PSI	Ak1 Recorder No.	13615	Range	4575			
(B) First Initial Flow Pressure	623.2	PSI	@ (depth)	4892	w/Clock No.	27501			
(C) First Final Flow Pressure	799.6	PSI	Ak1 Recorder No.	10248	Range	4400			
(D) Initial Shut-In Pressure	1155.4	PSI	@ (depth)	4992	w/Clock No.	27567			
(E) Second Initial Flow Pressure	987.4	PSI	Ak1 Recorder No.	0	Range	0			
(F) Second Final Flow Pressure	1154.9	PSI	@ (depth)	0	w/Clock No.	0			
(G) Final Shut-In Pressure	1156.8	PSI	Initial Opening	15					
(H) Final Hydrostatic Mud	2228.9	PSI	Initial Shut-In	60					
			Final Flow	60					
			Final Shut-In	120					

MR ROGER F SELLS

835

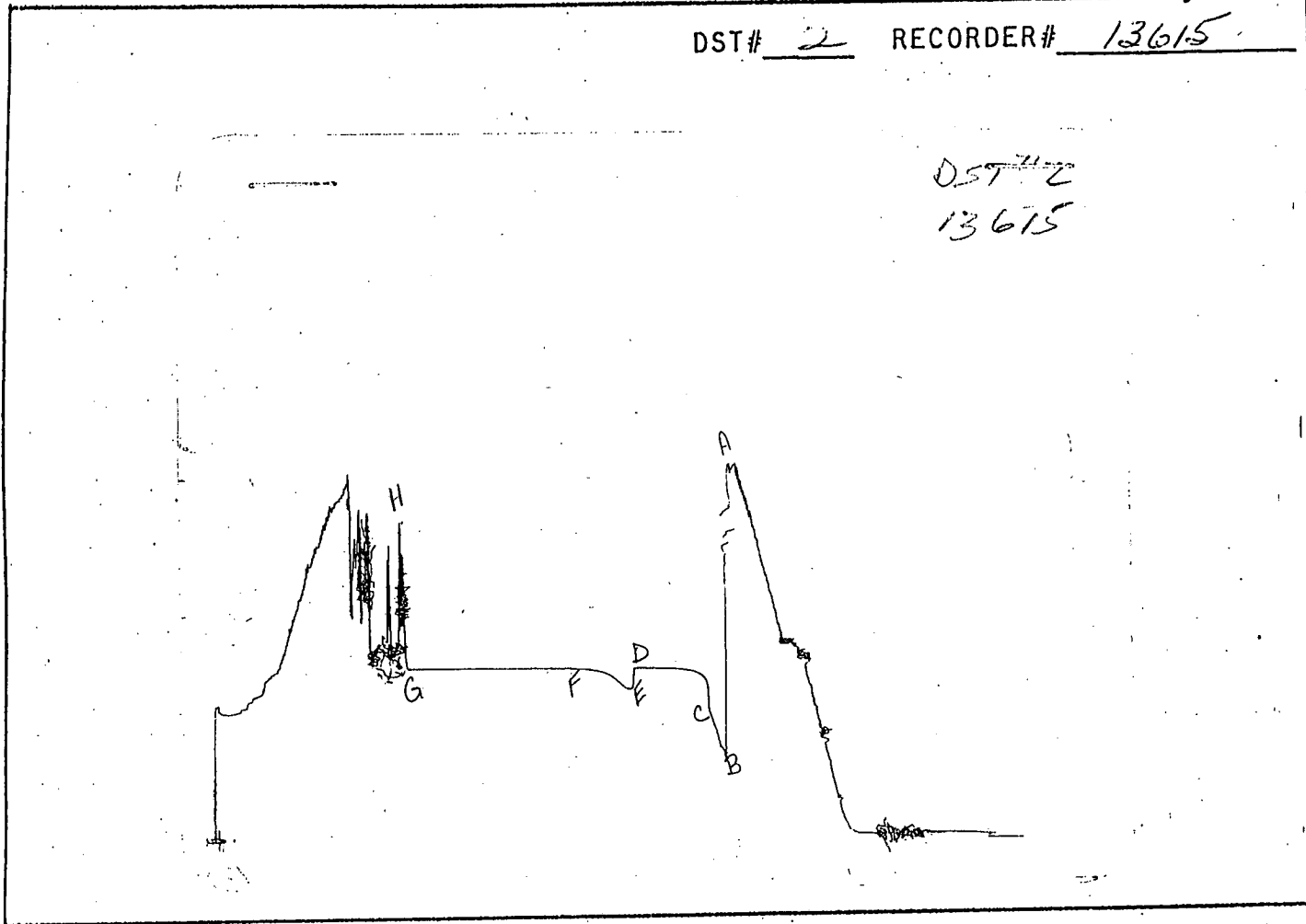
Our Representative _____

TOTAL PRICE \$ _____

DST# 2

RECORDER# 13615

DST# 2
13615



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2357	2361.2	PSI
(B) First Initial Flow Pressure.....	617	623.2	PSI
(C) First Final Flow Pressure.....	795	799.6	PSI
(D) Initial Closed-In Pressure.....	1151	1155.4	PSI
(E) Second Initial Flow Pressure.....	984	987.4	PSI
(F) Second Final Flow Pressure.....	1151	1154.9	PSI
(G) Final Closed-In Pressure.....	1151	1156.8	PSI
(H) Final Hydrostatic Mud.....	2224	2228.9	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 2888 Date 6/27/90
 Company Name NICOR EXPLORATION
 Lease PLETCHER #14-32 Test No. 2
WALLACE Test No. 32 145 40W
 County _____ Sec. _____ Twp. _____ Rng. _____

SAMPLER RECOVERY

Gas 0 ML
 Oil 0 ML
 Mud 0 ML
 Water 4000 ML
 Other 0 ML
 Pressure 120 PSI
 Total 4000 ML

PIT MUD ANALYSIS

Chlorides 11000 ppm.
 Resistivity .5 ohms @ 80 F
 Viscosity 56
 Mud Weight 8.9
 Filtrate 9.2
 Other _____

SAMPLER ANALYSIS

Resistivity .117 ohms @ 98 F
 Chlorides 48,000 ppm.
 Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity .117 ohms @ 98 F
 Chlorides 48,000 ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

15-199-20193-00-00

No 2888

Well Name & No. <u>Pletcher #14-32</u>		Test No. <u>2</u>	Date <u>6-27-90</u>
Company <u>Nicer Exploration</u>		Zone Tested <u>Worrow</u>	
Address <u>1050 17th St. Suite 100 Denver, Co.</u>		Elevation <u>3711 KB</u>	
Co. Rep. / Geo. <u>Jim Clowe</u>	Cont. <u>Martin Rig #16</u>	Est. Ft. of Pay <u>13'</u>	
Location: Sec. <u>32</u>	Twp. <u>14</u>	Rge. <u>40</u>	Co. <u>Wallace</u> State <u>KS</u>
No. of Copies <u>16</u>	Distribution Sheet <u>X</u>	Yes <u> </u> No <u> </u>	Turnkey Yes <u>X</u> No <u> </u>

Interval Tested <u>4890 - 4995</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>105</u>	Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth <u>4885</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth <u>4890</u>	Wt. Pipe I.D. — 2.7 Ft. Run
Total Depth <u>4995</u>	Drill Collar — 2.25 Ft. Run <u>122.84</u>
Mud Wt. <u>8.9</u> lb/gal.	Viscosity <u>56</u> Filtrate <u>9.2</u>

Tool Open @ 2:46 AM Initial Blow Good blow on opening bottom of bucket in
lantern. Bled 2" 5 min. blow back building to 4 1/2" @ opening
 Final Blow Blow to bottom of bucket in 30 sec. Blow slowly during
Bled 2" 5 min. No blow back on shut in.

Recovery — Total Feet 2490' Flush Tool?

Rec. <u>500</u> Feet of <u>Slightly Water Cut Mud</u>
Rec. <u>1990</u> Feet of <u>Very Slightly Gas Cut Salt Water</u>
Rec. <u> </u> Feet of <u> </u>
Rec. <u> </u> Feet of <u> </u>
Rec. <u> </u> Feet of <u> </u>

BHT 126 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 11,000 ppm System

(A) Initial Hydrostatic Mud <u>2357</u> PSI	AK1 Recorder No. <u>13615</u> Range <u>4575</u>
(B) First Initial Flow Pressure <u>617</u> PSI	@ (depth) <u>4892</u> w/Clock No. <u>27501</u>
(C) First Final Flow Pressure <u>795</u> PSI	AK1 Recorder No. <u>10248</u> Range <u>4400</u>
(D) Initial Shut-In Pressure <u>1151</u> PSI	@ (depth) <u>4992</u> w/Clock No. <u>27567</u>
(E) Second Initial Flow Pressure <u>984</u> PSI	AK1 Recorder No. <u> </u> Range <u> </u>
(F) Second Final Flow Pressure <u>1151</u> PSI	@ (depth) <u> </u> w/Clock No. <u> </u>
(G) Final Shut-In Pressure <u>1151</u> PSI	Initial Opening <u>15</u> Test <u>400⁰⁰</u>
(H) Final Hydrostatic Mud <u>2224</u> PSI	Initial Shut-In <u>60</u> Jars <u>200⁰⁰</u>
	Final Flow <u>60</u> Safety Joint <u>50⁰⁰</u>
	Final Shut-In <u>120</u> Straddle <u> </u>

Approved By J. Clowe 1460

Our Representative Roger L. Sells

Circ. Sub X 35⁰⁰

Sampler 150⁰⁰

Extra Packer

Other

TOTAL PRICE \$ 835⁰⁰

15-199-20193-00-00



NICOR EXPLORATION COMPANY

One of the NICOR
basic energy companies

1050 Seventeenth Street, Suite 1100
Denver, Colorado 80265-1101 303-893-1666

July 17, 1990

State of Kansas
State Corporation Commission
200 Colorado Derby Building
Wichita, Kansas 67202

Re: Pletcher 14-32
Sec.32-T14S-R40W
Wallace County, Kansas
API#15-119-20193

Gentlemen:

Please find enclosed K.A.R. 82-3-117 and ACO-1 submitted in triplicate including attachments for the subject well. If you need additional information, please advise.

Very truly yours,

C. M. Castor
Sr. Operations Technician

CMC/cem
Enclosures

cc: Well.File

RECEIVED
STATE CORPORATION COMMISSION

JUL 19 1990

CONSERVATION Division
Wichita, Kansas