

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SELZER #16-4 Test No. 1 Date 5/11/94
Company CODY ENERGY Zone 1767 KB
Address 7555 E HAMPDEN AVE-#600 DENVER CO 80231 Elevation 1767 KB
Co. Rep./Geo. CHUCK EMERSON Cont. BRANDT DRLG RIG #2 Est. Ft. of Pay
Location: Sec. 16 Twp. 34S Rge. 20W Co. COMANCHE State KS

Interval Tested 3906-4036
Anchor Length 130
Top Packer Depth 3901
Bottom Packer Depth 3906
Total Depth 4036

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run
Drill Collar - 2.25 Ft. Run 536
Mud Wt. 8.9 lb/Gal.
Viscosity 54 Filtrate 11.8

Tool Open @ 9:10 AM Initial Blow VERY STRONG BLOW-BOTTOM OF BUCKET AS TOOL OPENED
ISI: BLED OFF BLOW-NO BLOW BACK
Final Blow BOTTOM OF BUCKET AS TOOL OPENED
FSI: BLED OFF BLOW-NO BLOW BACK

Recovery - Total Feet 2530 Flush Tool? NO

Rec. 1160 Feet of DRILLING MUD
Rec. 1370 Feet of SALT WATER
Rec. Feet of
Rec. Feet of
Rec. Feet of

BHT 108 °F Gravity °API @ °F Corrected Gravity °API
RW 0.135 @ 95 °F Chlorides 43000 ppm Recovery Chlorides 15000 ppm System

(A) Initial Hydrostatic Mud 1938.3 PSI AK1 Recorder No. 13615 Range 4575

(B) First Initial Flow Pressure 982.8 PSI @ (depth) 4002 w / Clock No. 25813

(C) First Final Flow Pressure 1020.7 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 1739.6 PSI @ (depth) 4033 w / Clock No. 25814

(E) Second Initial Flow Pressure 1115.5 PSI AK1 Recorder No. Range

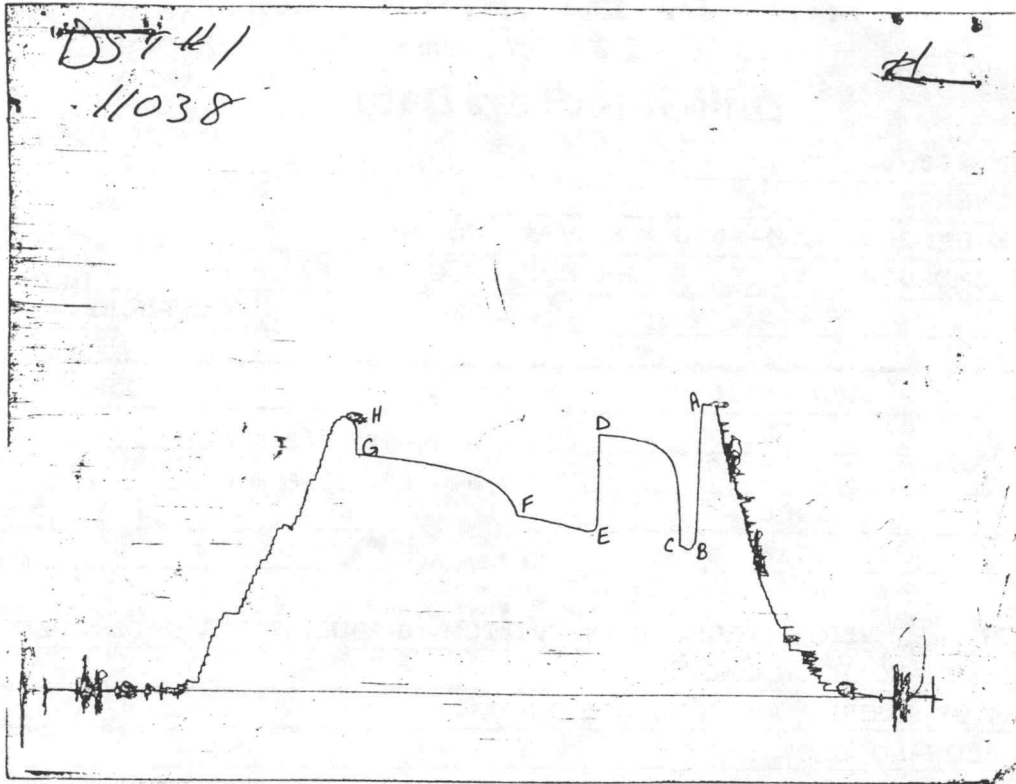
(F) Second Final Flow Pressure 1209.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1585.9 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 1821.7 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart #11038

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1940	1938.3
(B) FIRST INITIAL FLOW PRESSURE	995	982.8
(C) FIRST FINAL FLOW PRESSURE	1020	1020.7
(D) INITIAL CLOSED-IN PRESSURE	1738	1739.6
(E) SECOND INITIAL FLOW PRESSURE	1109	1115.5
(F) SECOND FINAL FLOW PRESSURE	1209	1209.9
(G) FINAL CLOSED-IN PRESSURE	1587	1585.9
(H) FINAL HYDROSTATIC MUD	1852	1821.7

FLUID SAMPLER DATA

Ticket No.: 7005 Date: 5/11/94
Company: CODY ENERGY
Lease: SELZER #16-4 Test No.: 1
County: COMANCHE Sec.: 16 Twp.: 34S Rng.: 20W

SAMPLER RECOVERY

Gas
Oil trace
Mud
Water 4000
Other
Pressure 1400
TOTAL 4000

SAMPLER ANALYSIS

Resistivity 0.135 ohms@ 95 F
Chlorides 43000 ppm.
Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 15000
Resistivity ohms@ F
Viscosity 54
Mud Wt. 8.9
Filtrate 11.8
Other

PIPE RECOVERY

TOP

Resistivity 0.137 ohms@ 93 F
Chlorides 42000 ppm

MIDDLE

Resistivity 0.137 ohms@ 93 F
Chlorides 42000 ppm

BOTTOM

Resistivity 0.135 ohms@ 95 F
Chlorides 43000 ppm

TRILOBITE TESTING L.L.C.

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FLUID SAMPLER DATA

Ticket No. 7005 Date 5-11-94
Company Name Cody Energy Inc.
Lease Selzer #16-4 Test No. #1
County Comanche KS. Sec. 16 Twp. 34 Rng. 20 W

SAMPLER RECOVERY

Gas _____ ML
Oil Trace ML
Mud _____ ML
Water 4000 ML
Other _____ ML
Pressure 1400 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 15,000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 54
Mud Weight 8.9
Filtrate 11.8
Other _____

SAMPLER ANALYSIS

Resistivity .135 ohms @ 95 F
Chlorides 43000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity .137 ohms @ 93 F
Chlorides 42,000 ppm.
MIDDLE
Resistivity .137 ohms @ 93 F
Chlorides 42,000 ppm.
BOTTOM
Resistivity .135 ohms @ 95 F
Chlorides 43,000 ppm.

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Drill-Stem Test Data

Well Name SELZER #16-4 Test No. 2 Date 5/13/94
Company CODY ENERGY Zone LWR LANSING
Address 7555 E HAMPDEN AVE-#600 DENVER CO 80231 Elevation 1767 KB
Co. Rep./Geo. CHUCK EMERSON Cont. BRANDT DRLG RIG #2 Est. Ft. of Pay 3
Location: Sec. 16 Twp. 34S Rge. 20W Co. COMANCHE State KS

Interval Tested 4540-4587 Drill Pipe Size 4.5" XH
Anchor Length 47 Wt. Pipe I.D. - 2.7 Ft. Run 595
Top Packer Depth 4535 Drill Collar - 2.25 Ft. Run 8.8
Bottom Packer Depth 4540 Mud Wt. 53 lb/Gal.
Total Depth 4587 Viscosity 11.6 Filtrate

Tool Open @ 9:00 AM Initial Blow 1/2" BLOW-BUILT TO BOTTOM OF BUCKET IN 4 MINUTES

ISI: BLED OFF BLOW-NO BLOW BACK

Final Blow BOTTOM OF BUCKET AS TOOL OPENED

FSI: BLED OFF BLOW-NO BLOW BACK

Recovery - Total Feet 180 Flush Tool? NO

Rec. 370 Feet of GAS IN PIPE
Rec. 180 Feet of OIL CUT MUD- 5% GAS/ 40% OIL / 55% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 118 °F Gravity 43 °API @ 84 °F Corrected Gravity 41.1 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 21000 ppm System

(A) Initial Hydrostatic Mud 2228.9 PSI AK1 Recorder No. 13615 Range 4575

(B) First Initial Flow Pressure 61.8 PSI @ (depth) 4543 w / Clock No. 25813

(C) First Final Flow Pressure 55.1 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 953.6 PSI @ (depth) 4584 w / Clock No. 25814

(E) Second Initial Flow Pressure 122.8 PSI AK1 Recorder No. _____ Range _____

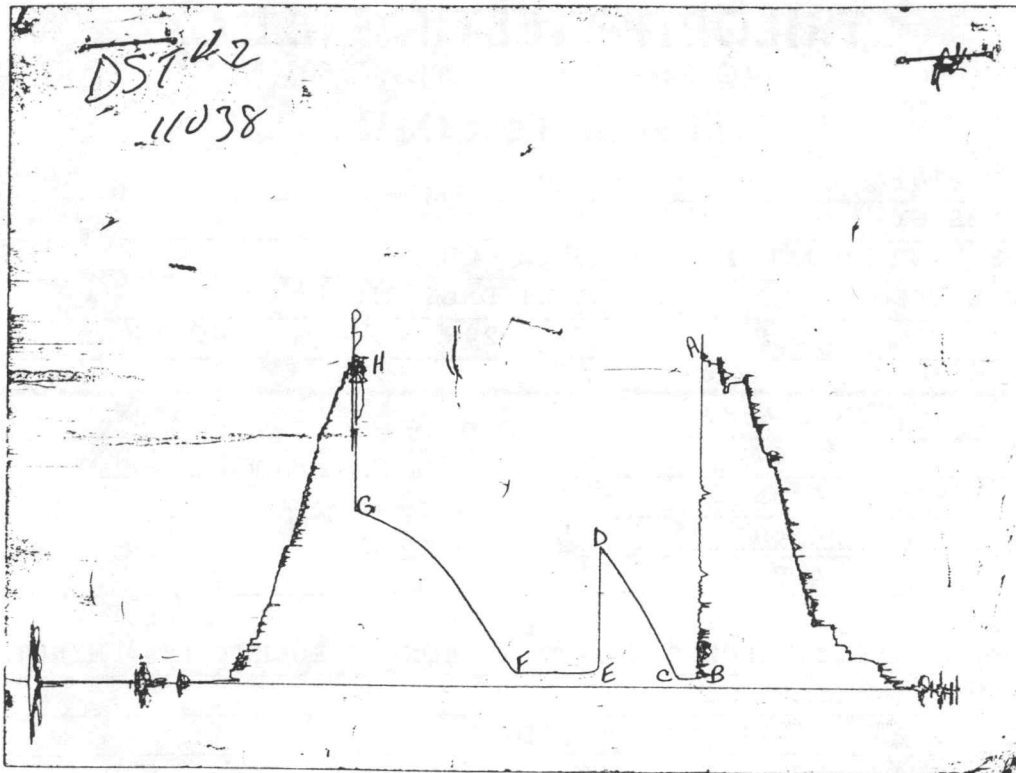
(F) Second Final Flow Pressure 94.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1178.4 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2185.3 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart #11038

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2208	2228.9
(B) FIRST INITIAL FLOW PRESSURE	55	61.8
(C) FIRST FINAL FLOW PRESSURE	55	55.1
(D) INITIAL CLOSED-IN PRESSURE	957	953.6
(E) SECOND INITIAL FLOW PRESSURE	95	122.8
(F) SECOND FINAL FLOW PRESSURE	95	94.4
(G) FINAL CLOSED-IN PRESSURE	1184	1178.4
(H) FINAL HYDROSTATIC MUD	2157	2185.3

FLUID SAMPLER DATA

Ticket No.: 7006

Date: 5/13/94

Company: CODY ENERGY

Lease: SELZER #16-4

Test No.: 2

County: COMANCHE

Sec.: 16

Twp.: 34S

Rng.: 20W

SAMPLER RECOVERY

Gas 4 CU FT

Oil 2200

Mud

Water

Other

Pressure 825

TOTAL 4000

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity 41.1 corrected @60F

PIT MUD ANALYSIS

Chlorides 21000

Resistivity ohms@ F

Viscosity 53

Mud Wt. 8.8

Filtrate 11.6

Other

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity ohms@ F

Chlorides ppm

BOTTOM

Resistivity ohms@ F

Chlorides ppm

TRILOBITE TESTING L.L.C.

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FLUID SAMPLER DATA

Ticket No. 7006 Date 5-13-94
Company Name Cody Energy Inc.
Lease Selzer #16-4 Test No. #2
County Comanche KS. Sec. 16 Twp. 34 Rng. 20 W

SAMPLER RECOVERY

Gas 4 C.F. ML
Oil 2200 ML
Mud _____ ML
Water _____ ML
Other _____ ML
Pressure 825 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 21000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 53
Mud Weight 8.8
Filtrate 11.6
Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING, L.L.C.

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Drill-Stem Test Data

Well Name SELZER #16-4 Test No. 3 Date 5/21/94
Company CODY ENERGY Zone VIOLA
Address 7555 E HAMPDEN AVE-#600 DENVER CO 80231 Elevation 1767 KB
Co. Rep./Geo. CHUCK EMERSON Cont. BRANDT DRLG RIG #2 Est. Ft. of Pay 20
Location: Sec. 16 Twp. 34S Rge. 20W Co. COMANCHE State KS

Interval Tested <u>5962-6035</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>73</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u> </u>
Top Packer Depth <u>5957</u>	Drill Collar - 2.25 Ft. Run <u>656</u>
Bottom Packer Depth <u>5962</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>6035</u>	Viscosity <u>55</u> Filtrate <u>10</u>

Tool Open @ 6:30 AM Initial Blow GOOD BLOW OFF BOTTOM IN 30 SECONDS
GAS TO SURFACE IN 11 MINUTES
Final Blow OFF BOTTOM IN 10 SECONDS - 2 PSI ON 1/2" ORIFICE =
47.7 MCF/DAY

Recovery - Total Feet 1170 Flush Tool? NO

Rec. <u>4750</u>	Feet of <u>GAS IN PIPE</u>
Rec. <u>1170</u>	Feet of <u>MUDDY OIL</u>
Rec. <u> </u>	Feet of <u> </u>
Rec. <u> </u>	Feet of <u> </u>
Rec. <u> </u>	Feet of <u> </u>

BHT 128 °F Gravity °API @ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 2862.2 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 150.8 PSI @ (depth) 5964 w / Clock No. 25114

(C) First Final Flow Pressure 174.5 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 2205.6 PSI @ (depth) 6030 w / Clock No. 21061

(E) Second Initial Flow Pressure 118.5 PSI AK1 Recorder No. Range

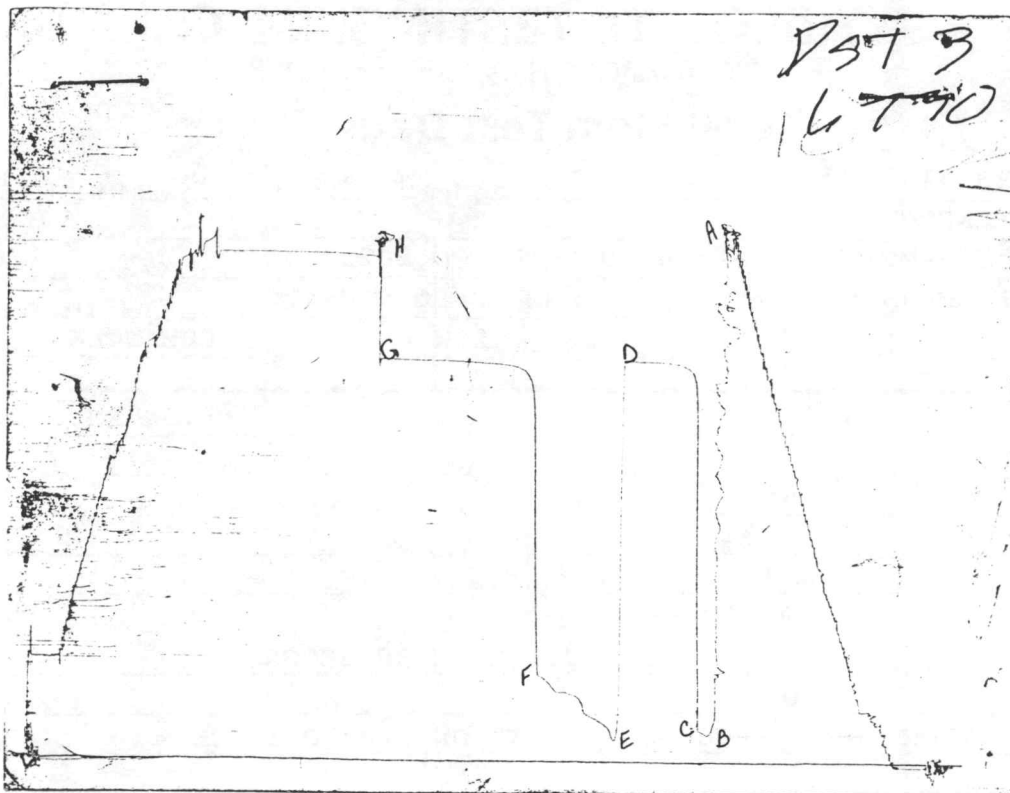
(F) Second Final Flow Pressure 481.3 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 2203.5 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2836.8 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart #6730

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2830	2862.2
(B) FIRST INITIAL FLOW PRESSURE	150	150.8
(C) FIRST FINAL FLOW PRESSURE	183	174.5
(D) INITIAL CLOSED-IN PRESSURE	2206	2205.6
(E) SECOND INITIAL FLOW PRESSURE	107	118.5
(F) SECOND FINAL FLOW PRESSURE	474	481.3
(G) FINAL CLOSED-IN PRESSURE	2206	2203.5
(H) FINAL HYDROSTATIC MUD	2780	2836.8

FLUID SAMPLER DATA

Ticket No.: 6486 Date: 5/21/94
Company: CODY ENERGY
Lease: SELZER #16-4 Test No.: 3
County: COMANCHE Sec.: 16 Twp.: 34S Rng.: 20W

SAMPLER RECOVERY

Gas
Oil
Mud
Water
Other
Pressure 1950
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 10000
Resistivity 0.4 ohms@ 98 F
Viscosity 55
Mud Wt. 9.1
Filtrate 10
Other

SAMPLER ANALYSIS

Resistivity ohms@ F
Chlorides ppm.
Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms@ F
Chlorides ppm

MIDDLE

Resistivity ohms@ F
Chlorides ppm

BOTTOM

Resistivity ohms@ F
Chlorides ppm

GAS VOLUME REPORT

CODY ENERGY

SELZER #16-4

DST # 3

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
5	1	0.5	33.9	5	5	0.5	78.1
10	1	0.5	33.9	10	5	0.5	78.1
15	1	0.5	33.9	15	4	0.5	68.8
				20	4	0.5	68.8
				25	3	0.5	59.2
				30	3	0.5	59.2
				35	3	0.5	59.2
				40	2	0.5	47.7
				45	2	0.5	47.7
				50	2	0.5	47.7
				55	2	0.5	47.7
				60	2	0.5	47.7

Remarks: RECOVERED 1170' FLUID-REVERSED OUT 2BBL -95% OIL
14.5 BBL - 50% OIL/ 50% MUD
TOTAL RECOVER - 16.5 BBL

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 6486 Date 5-21-94
Company Name Cody Energy INC
Lease SEIZE 14-4 Test No. 3
County COMANCHE KS Sec. 14 Twp. 34S Rng. 20W

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud Blow up ML
Water LINE ML
Other _____ ML
Pressure 1950 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 10,000 ppm.
Resistivity 0.40 ohms @ 98 F
Viscosity 55
Mud Weight 9.1 LCM 8[#]
Filtrate 10.5 PH 9.5
Other P.V. 14 Y.P. 21
GELS 2/4

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides NO RECOVER ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides 95% oil 5% Mud ppm.

MIDDLE

Resistivity _____ ohms @ _____ F
Chlorides 50% oil 50% Mud ppm.

BOTTOM

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.



GAS VOLUME REPORT

Cody ENERGY
OPERATOR

SEITZE 16-4

WELL NAME AND NO

3
DST NO

Remarks: