

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

API NO. 15- 025-21,123 **ORIGINAL**
County Clark
NW - NW - SW - Sec. 10 Twp. 32S Rge. 22W

Operator: License # 3882

Name: Samuel Gary, Jr. and Associates, Inc.

Address 1775 Sherman St., Ste 1925

City/State/Zip Denver, Co 80203 **RELEASED**

2600 Feet from S (circle one) Line of Section 10

500 Feet from W (circle one) Line of Section 10

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

Lease Name Thomas Comstock Well # 10-12

Field Name _____

Purchaser: _____

Producing Formation Viola

Operator Contact Person: Craig Ambler

Elevation: Ground 2191 KB 2204

Phone (303) 831-4673 **CONFIDENTIAL**

Total Depth 6900 PBDT 6580

Contractor: Name: Brandt Drilling Co.

License: 5840 **CONFIDENTIAL**

Amount of Surface Pipe Set and Cemented at 700 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? Yes x No

Designate Type of Completion

x New Well Re-Entry Workover

If yes, show depth set _____ Feet

x Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

If Workover:

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 23,500 ppm Fluid volume 800 bbls

Well Name: _____

Dewatering method used : evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite:

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBDT

Operator Name _____

Commingled Docket No. _____

Lease Name _____ License No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

Quarter Sec. Twp. S Rng. E/W

12/28/94 1/12/95 2/21/95

County _____ Docket No. _____

Spud Date _____ Date Reached TD _____ Completion Date _____

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.

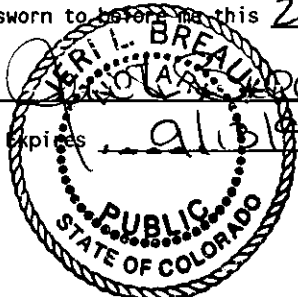
Signature [Signature]

Title PRESIDENT Date 4/21/95

Subscribed and sworn to before me this 21 day of April, 1995.

Notary Public [Signature]

Date Commission Expires [Signature]



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) _____
APR 25 1995

Operator Name Samuel Gary, Jr. and Associates, Inc. Lease Name Thomas Comstock Well # 10-12

Sec. 10 Twp. 32S Rge. 22
 East
 West

County Clark

CONFIDENTIAL

ORIGINAL

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:
 Array Induction - Shallow Focused
 Compensated Neutron Compensated Photo-Density
 Borehole Compensated Sonic
 Micro-Resistivity

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Stone Corral	1218	+986
Wabaunsee	3456	-1252
Heebner	4376	-2172
Lansing	4564	-2360
Marmaton	5082	-2878
Cherokee	5222	-3018
Top Miss.	5354	-3815
Viola	6493	-4289
Simpson	6649	-4445
Arbuckle	6783	-4579

RELEASED

APR 31 1995

FROM CONFIDENTIAL

CASING RECORD <input type="checkbox"/> New <input checked="" 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
Conductor	30"	20	NA	40 ft.	Readymix	202	6 sx/yd
Surface	12.25"	8 5/8	23	700 ft.	Class "H"	430	Gel, CaCl
Production	7 7/8"	5 1/2	15.5-17	6580 ft.	50/50 Pozmix	150	10% salt, 10# gi

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	
	4	6496-6506		500 gal 15% MCA

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	6490	6490	

Date of first, Resumed Production, SWD or Inj. 2/24/95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours: Oil 143.4 Bbls. Gas 59 Mcf Water 0 Bbls. 414 Gas-Oil Ratio 41 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

APR 20 1995
 WICHITA, KANSAS

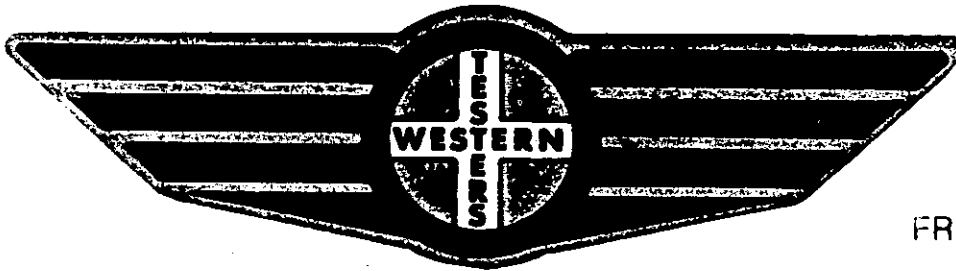
CONFIDENTIAL

ORIGINAL

GENERAL INFORMATION

DATE	: 1/10/95	TICKET	: 20647
CUSTOMER	: CODY ENERGY, INC.	LEASE	: THOMAS COMSTOCK
WELL	: #10-12	TEST:	1
ELEVATION:	2191GL	GEOLOGIST:	DALE PADGETT
SECTION	: 10	FORMATION:	VIOLA
RANGE	: 22W	TOWNSHIP	: 32S
GAUGE SN#:	1051	COUNTY:	CLARK
		STATE	: KS
		RANGE	: 4250
		CLOCK	: 12

WESTERN TESTING CO., INC.



RELEASED

JUL 31 1997

FROM CONFIDENTIAL

Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

FORMATION TEST REPORT

APR 28 1995
STATE COMMISSION ON
MAR 1 1995
WICHITA, KANSAS

CONFIDENTIAL

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 1/10/95	TICKET : 20647
CUSTOMER : CODY ENERGY, INC.	LEASE : THOMAS COMSTOCK
WELL : #10-12 TEST: 1	GEOLOGIST: DALE PADGETT
ELEVATION: 2191GL	FORMATION: VIOLA
SECTION : 10	TOWNSHIP : 32S
RANGE : 22W COUNTY: CLARK	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 6488.00 ft	TO: 6512.00 ft	TVD: 6512.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 6501.0 ft	6504.0 ft	
TEMPERATURE: 132.0		
DRILL COLLAR LENGTH: 616.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 5840.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 24.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 6483.0 ft	SIZE:	6.630 in
PACKER DEPTH: 6488.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : BRANDT DRLG RIG #2	VISCOSITY : 45.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 7.400 cc
WEIGHT : 9.000 ppg	SERIAL NUMBER: 411
CHLORIDES : 5700 ppm	REVERSED OUT?: NO
JARS-MAKE : WTC	
DID WELL FLOW?: NO	

RELEASED

COMMENTS

Comment

INITIAL FLOW: STRONG BLOW IN 3 MINUTES.
 FINAL FLOW: STRONG BLOW, GAS TO SURFACE IN 6
 MINUTES. SEE GAS FLOW REPORT FOR MEASUREMENTS.

FROM CONFIDENTIAL

STATE OF KANSAS

APR 2 1995

CONSULTATION

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DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	50.0	20.0	0.0	30.0	GAS AND MUD CUT OIL
90.0	40.0	50.0	0.0	10.0	HEAVY GAS CUT OIL
280.0	80.0	10.0	0.0	10.0	FREE OIL- 38 DEG. GRAVITY
0.0	0.0	0.0	0.0	0.0	CORRECTED TO 60 DEG.

RATE INFORMATION

OIL VOLUME:	1.5736 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	2.6783 SCF	AVERAGE OIL RATE:	30.9211 STB/D
MUD VOLUME:	0.3590 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	1.9326 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE:	3131.00		
Description	Duration	p1	p End
INITIAL FLOW	30.00	107.00	107.00
INITIAL SHUT-IN	60.00		2241.00
FINAL FLOW	60.00	107.00	107.00
FINAL SHUT-IN	120.00		2241.00
FINAL HYDROSTATIC PRESSURE:	3099.00	RELEASED	

5 1 1997

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE:	3130.00	FROM CONFIDENTIAL	
Description	Duration	p1	p End
INITIAL FLOW	30.00	97.00	91.00
INITIAL SHUT-IN	60.00		2222.00
FINAL FLOW	60.00	116.00	109.00
FINAL SHUT-IN	123.00		2221.00
FINAL HYDROSTATIC PRESSURE:	3067.00		

CONFIDENTIAL

ORIGINAL

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 1/10/95
CUSTOMER : CODY ENERGY, INC.
WELL : #10-12 TEST: 1
ELEVATION: 2191GL
SECTION : 10
RANGE : 22W COUNTY: CLARK
GAUGE SN#: 1051 RANGE : 4250
TICKET : 20647
LEASE : THOMAS COMSTOCK
GEOLOGIST: DALE PADGETT
FORMATION: VIOLA
TOWNSHIP : 32S
STATE : KS
CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
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SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
06 MIN	MERLA	0.500		0 SCF/D
10 MIN	MERLA	0.500	6" WATER	15400 SCF/D
20 MIN	MERLA	0.500	7" WATER	16700 SCF/D
30 MIN	MERLA	0.500	10" WATER	19900 SCF/D
40 MIN	MERLA	0.500	13" WATER	22800 SCF/D
50 MIN	MERLA	0.500	12" WATER	21900 SCF/D
60 MIN	MERLA	0.500	12" WATER	21900 SCF/D

RELEASED

JUL 31 1997

FROM CONFIDENTIAL

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ORIGINAL

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/10/95
CUSTOMER : CODY ENERGY, INC.
WELL : #10-12 TEST: 1
ELEVATION: 2191GL
SECTION : 10
RANGE : 22W COUNTY: CLARK
GAUGE SN#: 1051 RANGE : 4250
TICKET : 20647
LEASE : THOMAS COMSTOCK
GEOLOGIST: DALE PADGETT
FORMATION: VIOLA
TOWNSHIP : 32S
STATE : KS
CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	97.00	97.00
5.00	97.00	0.00
10.00	97.00	0.00
15.00	95.00	-2.00
20.00	94.00	-1.00
25.00	92.00	-2.00
30.00	91.00	-1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	357.00	357.00	11.00
6.00	1010.00	653.00	6.00
9.00	1941.00	931.00	4.33
12.00	2166.00	225.00	3.50
15.00	2193.00	27.00	3.00
18.00	2203.00	10.00	2.67
21.00	2211.00	8.00	2.43
24.00	2214.00	3.00	2.25
27.00	2216.00	2.00	2.11
30.00	2217.00	1.00	2.00
33.00	2217.00	0.00	1.91
36.00	2218.00	1.00	1.83
39.00	2219.00	1.00	1.77
42.00	2220.00	1.00	1.71
45.00	2220.00	0.00	1.67
48.00	2220.00	0.00	1.63
51.00	2221.00	1.00	1.59
54.00	2221.00	0.00	1.56
57.00	2222.00	1.00	1.53

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ORIGINAL

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	2222.00	0.00	1.50

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	116.00	116.00
5.00	116.00	0.00
10.00	115.00	-1.00
15.00	112.00	-3.00
20.00	110.00	-2.00
25.00	108.00	-2.00
30.00	106.00	-2.00
35.00	106.00	0.00
40.00	107.00	1.00
45.00	108.00	1.00
50.00	108.00	0.00
55.00	109.00	1.00
60.00	109.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	480.00	480.00	21.00
6.00	872.00	392.00	11.00
9.00	1607.00	735.00	7.67
12.00	2115.00	508.00	6.00
15.00	2182.00	67.00	5.00
18.00	2201.00	19.00	4.33
21.00	2210.00	9.00	3.86
24.00	2212.00	2.00	3.50
27.00	2213.00	1.00	3.22
30.00	2213.00	0.00	3.00
33.00	2214.00	1.00	2.82
36.00	2214.00	0.00	2.67
39.00	2215.00	1.00	2.54
42.00	2215.00	0.00	2.43
45.00	2216.00	1.00	2.33
48.00	2218.00	2.00	2.25

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ORIGINAL

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	2219.00	1.00	2.18
54.00	2219.00	0.00	2.11
57.00	2219.00	0.00	2.05
60.00	2219.00	0.00	2.00
63.00	2220.00	1.00	1.95
66.00	2220.00	0.00	1.91
69.00	2220.00	0.00	1.87
72.00	2221.00	1.00	1.83
75.00	2221.00	0.00	1.80
78.00	2221.00	0.00	1.77
81.00	2221.00	0.00	1.74
84.00	2221.00	0.00	1.71
87.00	2221.00	0.00	1.69
90.00	2221.00	0.00	1.67
93.00	2221.00	0.00	1.65
96.00	2221.00	0.00	1.63
99.00	2221.00	0.00	1.61
102.00	2221.00	0.00	1.59
105.00	2221.00	0.00	1.57
108.00	2221.00	0.00	1.56
111.00	2221.00	0.00	1.54
114.00	2221.00	0.00	1.53
117.00	2221.00	0.00	1.51
120.00	2221.00	0.00	1.50
123.00	2221.00	0.00	1.49

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ORIGINAL

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 1/10/95	TICKET	: 20647
CUSTOMER	: CODY ENERGY, INC.	LEASE	: THOMAS COMSTOCK
WELL	: #10-12	TEST:	1
ELEVATION:	2191GL	GEOLOGIST:	DALE PADGETT
SECTION	: 10	FORMATION:	VIOLA
RANGE	: 22W	COUNTY:	CLARK
GAUGE SN#:	1051	RANGE	: 4250
		STATE	: KS
		CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	50.00 PSIG	BHT:	132.0 DEG F
TOTAL VOLUME OF SAMPLER:	3100.00 cc		
TOTAL VOLUME OF SAMPLE:	1750.00 cc		
OIL:	1750.00 cc		
WATER:	0.00 cc		
MUD:	0.00 cc		
GAS:	1350.00 cc		
OTHER:	0.00 cc		

RESISTIVITY

DRILLING MUD:	CHLORIDE CONTENT:	0.00 ppm
MUD PIT SAMPLE:	CHLORIDE CONTENT:	0.00 ppm
GAS/OIL RATIO:	GRAVITY:	
WHERE WAS SAMPLE DRAINED:		
REMARKS:		

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HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE : 1/10/95	TICKET : 20647
CUSTOMER : CODY ENERGY, INC.	LEASE : THOMAS COMSTOCK
WELL : #10-12 TEST: 1	GEOLOGIST: DALE PADGETT
ELEVATION: 2191GL	FORMATION: VIOLA
SECTION : 10	TOWNSHIP : 32S
RANGE : 22W COUNTY: CLARK	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

Input Data

Porosity 0.100 Rw: 0.328 ft h: 12.000 ft
 qo 30.9 STB GOR 708.3 SCF/STB

Pvt Data
 Evaluation Pressure : 2222.0
 Evaluation Temperature: 132.0

Oil Grav 38.00 API	Gas Grav 0.65 API	Pb 2642.18 PSIA
Bo 1.336 RBL/STB	Vis 1.000 cp	Ct 1.4010E-004 1/PSI

Horner Results

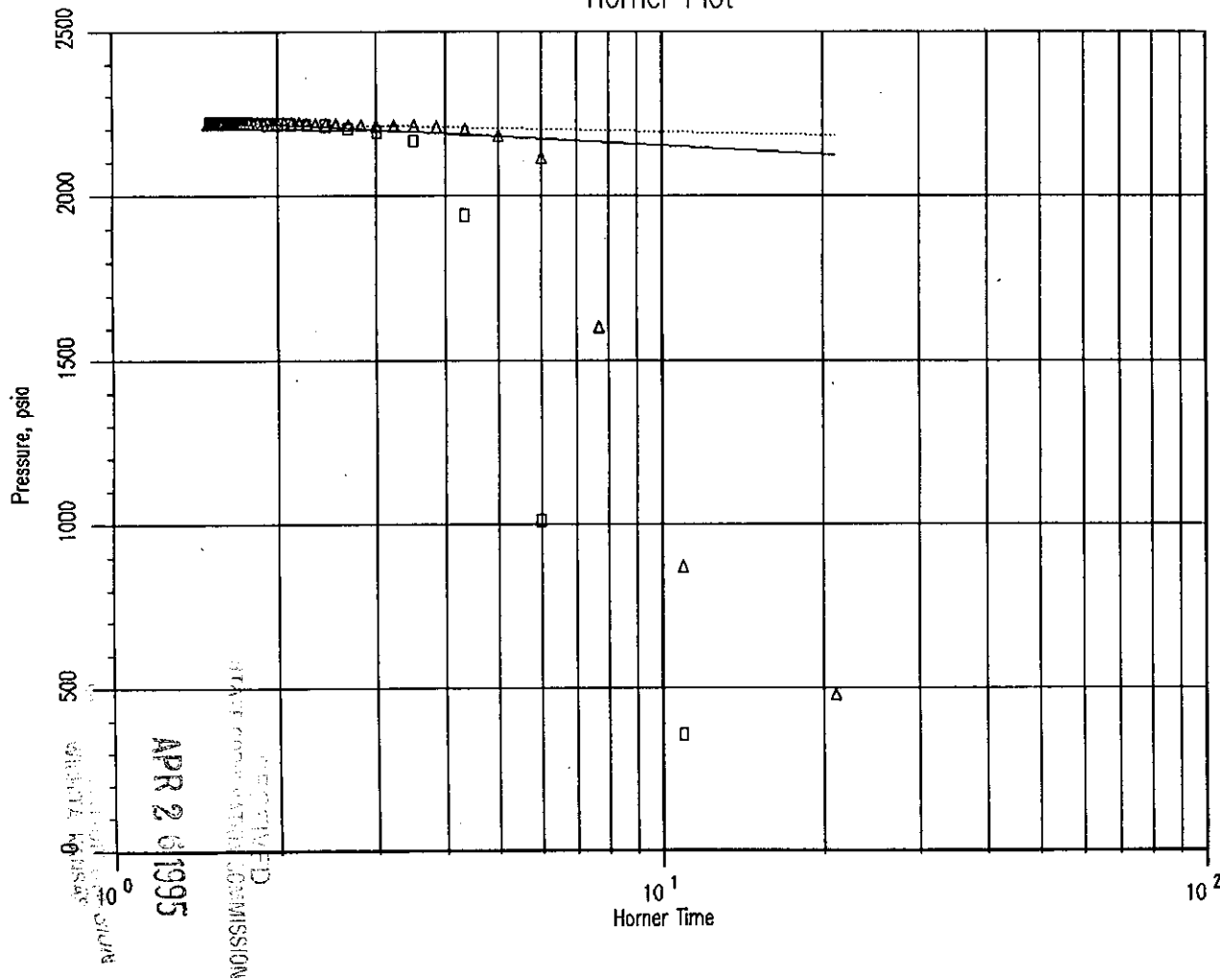
	Initial Shut-In	Final Shut-In
pseudo pressure time	0.50 hrs	1.00 hrs
slope	-90.36	-35.72
pstar	2242.05 psig	2229.52 psig
plhr	2226.14 psig	2218.76 psig
skin	23.85	63.96
permeability	3.35 md	8.49 md
transmissability	74.33 md-ft/cp	188.01 md-ft/cp
radius of investigation	15.27 ft	34.35 ft
Damage-Ratio	7 percent	16 percent
Drawdown Factor		0.045 percent
Drawdown P*		0.559 percent

DATE 1/10/95
 CUSTOMER CODY ENERGY, INC.
 WELL #10-12
 ELEVATION 2191GL
 SECTION 10
 RANGE 22W
 GAUGE SN# 1051

TEST 1
 COUNTY CLARK
 RANGE 4250

TICKET 20647
 LEASE THOMAS COMSTOCK
 GEOLOGIST DALE PADGETT
 FORMATION VIOLA
 TOWNSHIP 32S
 STATE KS
 CLOCK 12

Horner Plot



Result

	#1	#2
tp, hrs	0.50	1.00
Slope	-90.36	-35.72
Pstar, psig	2242.05	2229.52
P1hr, psig	2226.14	2218.76
Skin	23.85	63.96
k, md	3.35	8.49
kh/u, md-ft/cp	74.33	188.01
ri, ft	15.27	34.35
DR, %	6.98	15.60
Drawdown Factor, %		0.045
Drawdown P*, %		0.559

— BUILD 1
 BUILD 2

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ORIGINAL

CONFIDENTIAL

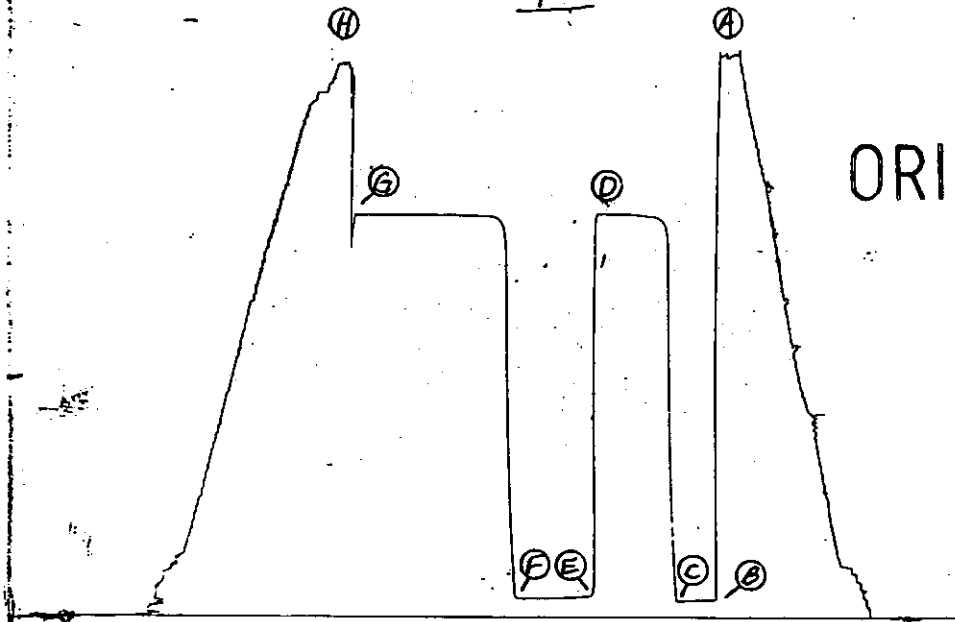
1057 DST#1

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Ticket # 20647

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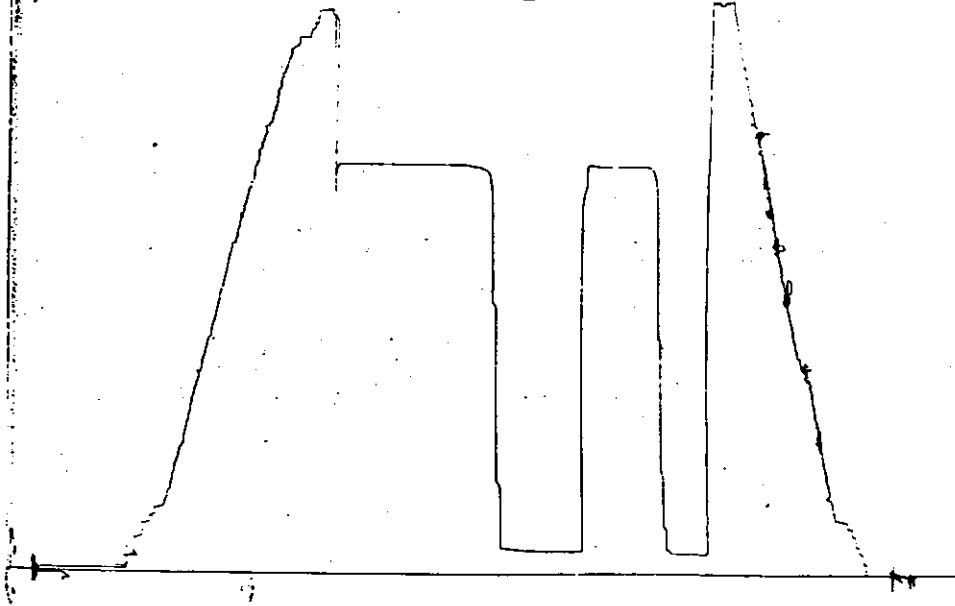
ORIGINAL

Inside Recorder

4332 DST#1

Ticket # 20647

0



Outside Recorder



THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

ORIGINAL

CUSTOMER		DATE	FR	SER. SUP.	TYPE JOB	
LEASE WELL NAME - OCSE		LOCATION		COUNTY-PARISH-BLOCK		
DISTRICT		DRILLING CONTRACTOR RIG		OPERATOR		
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE		SO MANI FOLD	TOP OF EACH FLUID
	TOP	Rubber	Baffle Plate	Basket	XX N	
		2- Centralizers				
240 Sks. Pacesetter Lite C, 6% Gel, 2% CaCl ₂ + 1/4 # Sk. Cello- Seal					?	12.7 1.86 9.9 79.5 56.6
125 Sks. H. 2% CaCl ₂ + 1/4 # Sk. Cello- Seal						15.6 1.18 5.2 26.3 15.5
Top Out						
65 Sks. H + 3% cacl ₂					Surf.	15.6 1.18 5.2 13.7 8.0
CONFIDENTIAL						
Available Mix Water 100 Bbl.		Available Displ. Fluid 100 Bbl.		TOTAL		119.5 80.1
HOLE		TGB-CSG-D.P.			COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	SIZE	WGT.	DEPTH	SHOE
12 1/2	100	700	8 5/8	234	700	655
LAST CASING		PKR-CMT RET-BR PL-LINER			PERF. DEPTH	
SIZE	WGT.	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM
20		40			8 5/8	8°
CAL DISPL VOL -Bbl.		CAL PSI	CAL. MAX PSI	OP. MAX	MAX TGB PSI	MAX CSG PSI
TGB	CSG	CSG	TOTAL	BUMP PLUG	TO REV	SO. PSI
			41.7	185		
EXPLANATION: TROUBLE SETTING TOGG RUNNING CSG. ETC. PRIOR TO CEMENTING						
PRESSURE/RATE DETAIL				EXPLANATION		
TIME	PRESSURE-PSI		RATE	Bbl FLUID	FLUID	SAFETY MEETING: WPS CREW <input type="checkbox"/> CO. REP <input type="checkbox"/>
HR: MIN.	PIPE	ANNULUS	BPM	PUMPED	TYPE	TEST LINES 2500 PSI
						CIRCULATING WELL-RIG <input type="checkbox"/> WPS <input type="checkbox"/>
3:03	150		5.8		Cem.	Start Cement @ 12.7/PPG
3:16	100		4.6	79.5	Cem.	Start Cement @ 15.6/PPG
3:21	0		0	105.8	Cem.	All Cement - Shut Down
3:22	150		5.0		H ₂ O	Drop Plug + Displace
3:30	100		2.0	35.0	H ₂ O	Slow Rate
3:37	250		0	41.7	H ₂ O	Bump Plug - Shut In
						Top Out
4:38			2.0		Cem.	Start Cement
4:43			0	13.7	Cem.	Shut Down
RELEASED						
MAY 31 1995						
FROM CONFIDENTIAL						
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT
Y	100	Y	161.2	2.0	250	Surf.
SER. SUP.		CUSTOMER REP.				
G. Burchett		M. Freeman				



HALLIBURTON ORIGINAL

DALLAS, TX 75395-1046

INVOICE NO.	DATE
741543	01/14/1995

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
THOMAS COMSTOCK 10-12		CLARK		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		BRANDT DRILLING	CEMENT PRODUCTION CASING		01/14/1995
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
315450	MARK PINNICK			COMPANY TRUCK	84004

CONFIDENTIAL

SAM GARY JR. & ASSOC.
1775 SHERMAN STREET
SUITE 1925
DENVER, CO 80203

02021097

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	160	MI	2.75	440.00
		1	UNT		
001-016	CEMENTING CASING	6650	FT	2,175.00	2,175.00
		1	UNT		
12A	GUIDE SHOE - 5 1/2" 8RD THD RELEASED	1	EA	121.00	121.00
825.205					
4A	FLOAT COLLAR-SSII-5-1/2 8RD	1	EA	253.00	253.00
836.07100					
40	CENTRALIZER-5-1/2 X 8-1/2	5	EA	60.00	300.00
806.60022					
001-018	CEMENTING CASING - ADD HRS	1	HR	235.00	235.00
		1	UNT		
001-018	CEMENTING CASING - ADD HRS	3	HR	235.00	N/C
		1	UNT		
504-131	CEMENT - 50/50 POZMIX PREMIUM	175	SK	7.02	1,228.50
508-291	GILSONITE BULK	1750	LB	.40	700.00
509-968	SALT	950	LB	.15	142.50
507-775	HALAD-322	85	LB	7.00	595.00
500-207	BULK SERVICE CHARGE	224	CFT	1.35	302.40
500-306	MILEAGE CMTG MAT DEL OR RETURN	690.28	TMI	.95	655.77
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5	1/2 IN	65.00	65.00
		1	EA		

INVOICE SUBTOTAL

RECEIVED

7,213.17

DISCOUNT-(BID)

JAN 25 1995

1,936.08-

INVOICE BID AMOUNT

5,277.09

*- KANSAS STATE SALES TAX

SAMUEL GARY JR. & ASSOCIATES, INC.

150.08

*- PRATT COUNTY SALES TAX

30.62

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

APR 2 1995
\$5,457.79

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

JOB SUMMARY

HALLIBURTON LOCATION

BILLED ON TICKET NO.

WELL DATA

SEC. 10 TWP. 32S RNC. 22W COUNTY Clark STATE KS

WELL NAME _____ TYPE _____
 INFORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4		5 1/2"	KB	6657	
LINER						
TUBING						
OPEN HOLE			7 7/8"	6650	6700	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1-14-75	DATE 1-15-75	DATE 1-15-75	DATE 1-15-75
TIME 20 00	TIME 06 30	TIME 09 30	TIME 17 30

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR BS-L 5 1/2	1	HEJ
FLOAT SHOE		
GUIDE SHOE RCG 5 1/2	1	
CENTRALIZERS S-4 5 1/2	5	"
BOTTOM PLUG		
TOP PLUG		
HEAD <i>Precedent</i>		
PACKER		
OTHER		

CONFIDENTIAL

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G. BYERLY 25821	37601 P.M.	PRATT KS
L. BARBER 62723	52304 RCM	"
G. BARR 29447	4413 B.K.	"

RELEASED

3.1 1997

FROM CONFIDENTIAL

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 SURFACTANT TYPE _____ GAL. IN
 NE AGENT TYPE _____ GAL. IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. IN
 GELLING AGENT TYPE _____ GAL.-LB. IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. IN
 BREAKER TYPE _____ GAL.-LB. IN
 BLOCKING AGENT TYPE _____ GAL.-LB.
 PERFFRAC BALLS TYPE _____ QTY.
 OTHER _____

DEPARTMENT Cement
 DESCRIPTION OF JOB 5 1/2" LUGS + ...
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X Mark Pinner
 HALLIBURTON OPERATOR Alan ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	175	50/50	Precedent	B	10% Sulfate 10% Bentonite 6% Hydrocol 2% L	15.1	13.3

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & SKDN: BBL.-GAL. _____ PAD BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 175
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY (BBL.-GAL.) 47.1
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 20 REASON Shoe JT

REMARKS

17# Pipe on Bottom - 5 1/2"
15 1/2" on top - 1 1/2"
APR 20 1995

CUSTOMER: *Wichita Falls*
 LEASE: *Wichita Falls*
 WELL NO: *10-11*
 JOB TYPE: *WELL*



HALLIBURTON

ORIGINAL

DATE 1-15-95 PAGE NO. 1

WELL NO. 10-12

LEASE Cumsuck

JOB TYPE Longstring

TICKET NO. 741543

09-y

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
06:30							On Location
08:45							Give MSDS To Customer
09:30							Run Float Equipment
10:15							Count - 2-3-4-5-6
10:30							Break Circulation (Rig Pump) Lost.
12:50							Shut Down
13:20							Break Circulation 125.5'±
14:30							Shut Down
14:35							Casing on Bottom
15:35							Break Circulation
16:00	3	4.0					Finish Circulating
16:05	3	2.7					Plug Rathole 13 sks
16:08							Plug Munschole 10 sks
16:10	6						Ho. k. up To well
16:12	6	0					200 Run SPACER
16:21	6	40.0					350 Start Mixing
16:22							250 Finish Mixing
16:23							- wash out lines
16:27	8	0					- Release Plug
16:42	8	114.8					250 Start Displacement
16:49	5						300 Cement on Bottom
16:50	5	154.8					700 Reduce Rate
16:54							1200 Land Plug
17:00							RELEASED
							- Release PSI
							Float Held
							WASH UP
							FROM CONFIDENTIAL
							Job Complete
							Thanks
							Glen, Cedric, Larry

CONFIDENTIAL

APR 2 1995

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

APR 2 1995

CUSTOMER

WISCONSIN DEPARTMENT OF NATURAL RESOURCES