

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary & Associate
1670 Broadway, Ste 3300
Denver, Colo. 80202
ATTN: Dale Padgett

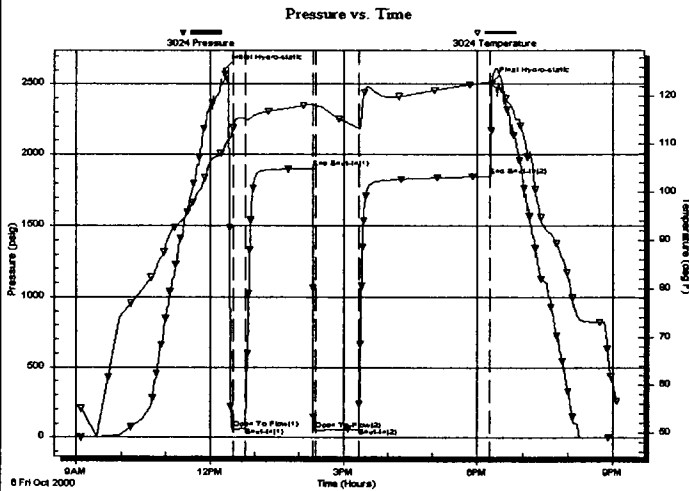
Moffett # 23-10
Sec23-33-19-Comanche
Job Ticket: 13860 DST#: 1
Test Start: 2000.10.06 @ 09:06:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: **ft (CF)**
Time Tool Opened: 12:30:41
Time Test Ended: 18:20:00
Interval: **5295.00 ft (CF) To 5370.00 ft (CF) (TVD)**
Total Depth: **5370.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **11**
Reference Elevations: **1976.00 ft (CF)**
KB to GR/CF:

Serial #: **3024** Inside
Press@RunDepth: **60.55 psig @ 5302.01 ft (CF)**
Start Date: **2000.10.06** End Date: **2000.10.06**
Start Time: **09:06:12** End Time: **21:06:11**
Capacity: **7000.00 psig**
Last Calib.: **2000.10.06**
Time On Btm: **2000.10.06 @ 12:19:11**
Time Off Btm: **2000.10.06 @ 18:19:41**

TEST COMMENT: **IF-Strong b.o.b. in 20 sec**
FF-b.o.b. as soon as tool open



PRESSURE SUMMARY

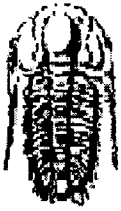
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
193	2602.60	109.61	Initial Hydro-static
205	55.06	113.94	Open To Flow (1)
222	62.31	115.19	Shut-In(1)
312	1900.87	118.43	End Shut-In(1)
317	52.22	117.87	Open To Flow (2)
375	60.55	113.29	Shut-In(2)
550	1847.22	122.94	End Shut-In(2)
554	2517.31	123.53	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
90.00	Gassymud 20%g 80%w	0.44

Gas Rates

	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
First Gas Rate	0.50	10.00	158.44
Last Gas Rate	0.50	17.00	205.66
Max. Gas Rate	0.50	20.00	225.90



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TOOL DIAGRAM

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Denver, Colo. 80202

Moffett # 23-10
Sec23-33-19-Comanche
Job Ticket: 13860 **DST#: 1**
Test Start: 2000.10.06 @ 09:06:00

ATTN: Dale Padgett

Tool Information

Drill Pipe:	Length: 5107.00 ft	Diameter: 3.80 inches	Volume: 71.64 bbl	Tool Weight: 1800.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight set on Packer: 30000.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
Drill Pipe Above KB:	22.01 ft			Tool Chased 0.01 ft
Depth to Top Packer:	5290.00 ft			String Weight: Initial 56000.00 lb
Depth to Bottom Packer:	ft			Final 56000.00 lb
Interval between Packers:	ft			
Tool Length:	107.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5264.00	
S.I. Tool	5.00			5269.00	
Sampler	3.00			5272.00	
HYD S.I. Tool	5.00			5277.00	
Jars	5.00			5282.00	
Safety Joint	3.00			5285.00	
Packer	5.00			5290.00	27.00 Bottom Of Top Packer
Packer	5.00			5295.00	
Stubb	1.00			5296.00	
Perforations	5.00			5301.00	
C.O. Sub	1.00			5302.00	
Recorder	0.01	3024	inside	5302.01	
Blank Spacing	62.00			5364.01	
C.O. Sub	1.00			5365.01	
Recorder	0.01	13254	Outside	5365.02	
Bullnose	5.00			5370.02	80.02 Bottom Packers & Anchor
Total Tool Length:	107.02				



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FLUID SUMMARY

Sam Gary & Associate
1670 Broadway, Ste 3300
Denver, Colo. 80202
ATTN: Dale Padgett

Moffett # 23-10
Sec23-33-19-Comanche
Job Ticket: 13860 **DST#: 1**
Test Start: 2000.10.06 @ 09:06:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 9.49
Resistivity: ohm.m
Salinity: ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Gassy mud 20%g 80%w	0.443

Total Length: 90.00 ft Total Volume: 0.440 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #: 3024

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: Sampler- 1500# psi - 1000 ml mud - 3.5 cu. ft. gas 4000 ml total volume



**TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Sam Gary & Associate

Moffett # 23-10

1670 Broadway, Ste 3300
Denver, Colo. 80202

Sec23-33-19-Comanche

Job Ticket: 13860

DST#: 1

ATTN: Dale Padgett

Test Start: 2000.10.06 @ 09:06:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (kPaa)	Gas Rate (Mcf/d)
1	5	0.50	10.00	158.44
1	5	0.50	10.00	158.44
1	5	0.50	10.00	158.44
1	5	0.50	10.00	158.44
1	5	0.50	10.00	158.44
1	5	0.50	10.00	158.44
1	5	0.50	10.00	158.44
1	10	0.50	11.00	165.19
1	15	0.50	12.00	171.93
2	5	0.50	20.00	225.90
2	10	0.50	19.00	219.15
2	15	0.50	19.00	219.15
2	20	0.50	18.00	212.41
2	25	0.50	17.00	205.66
2	30	0.50	17.00	205.66
2	35	0.50	17.00	205.66
2	40	0.50	17.00	205.66

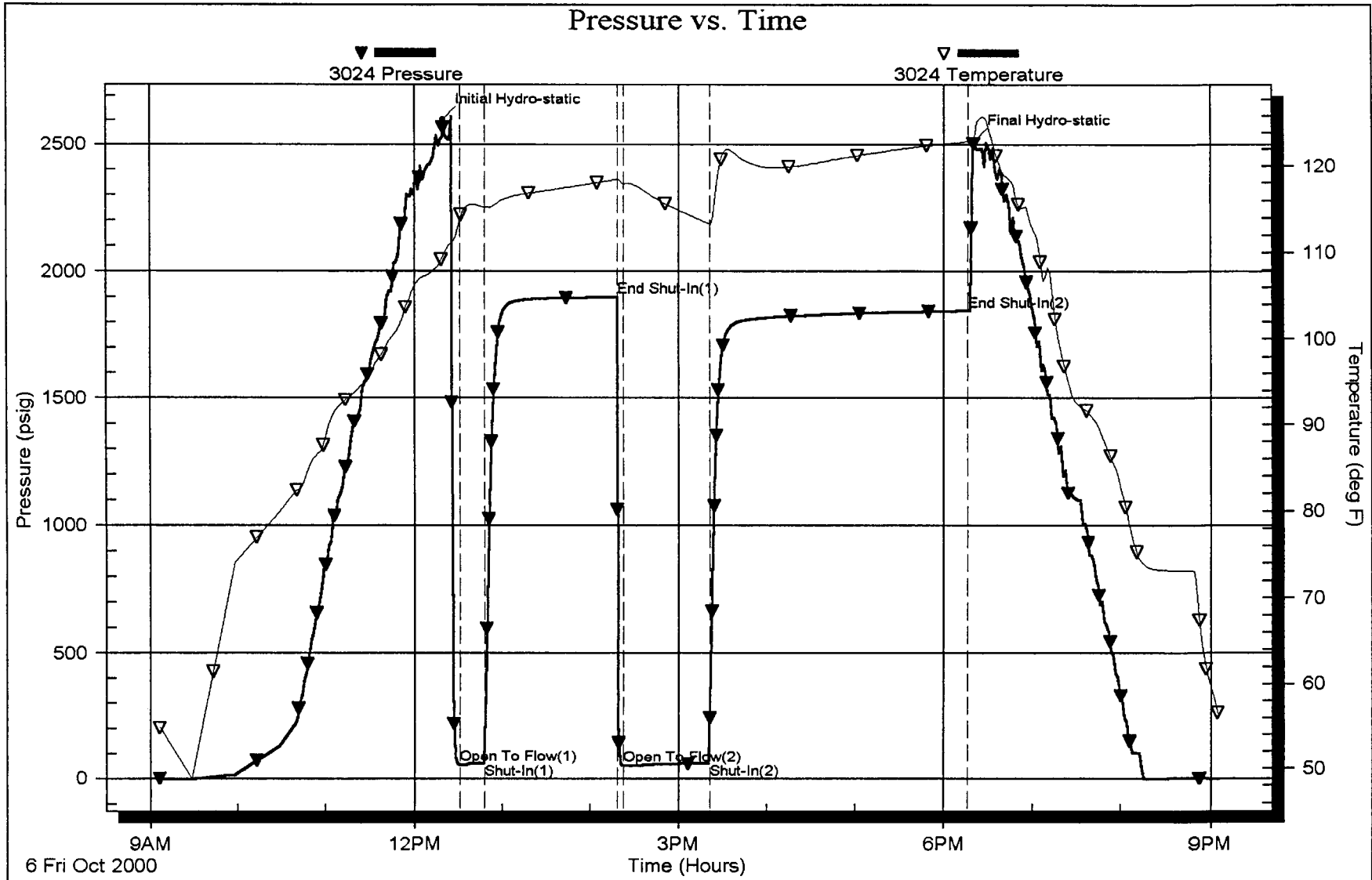
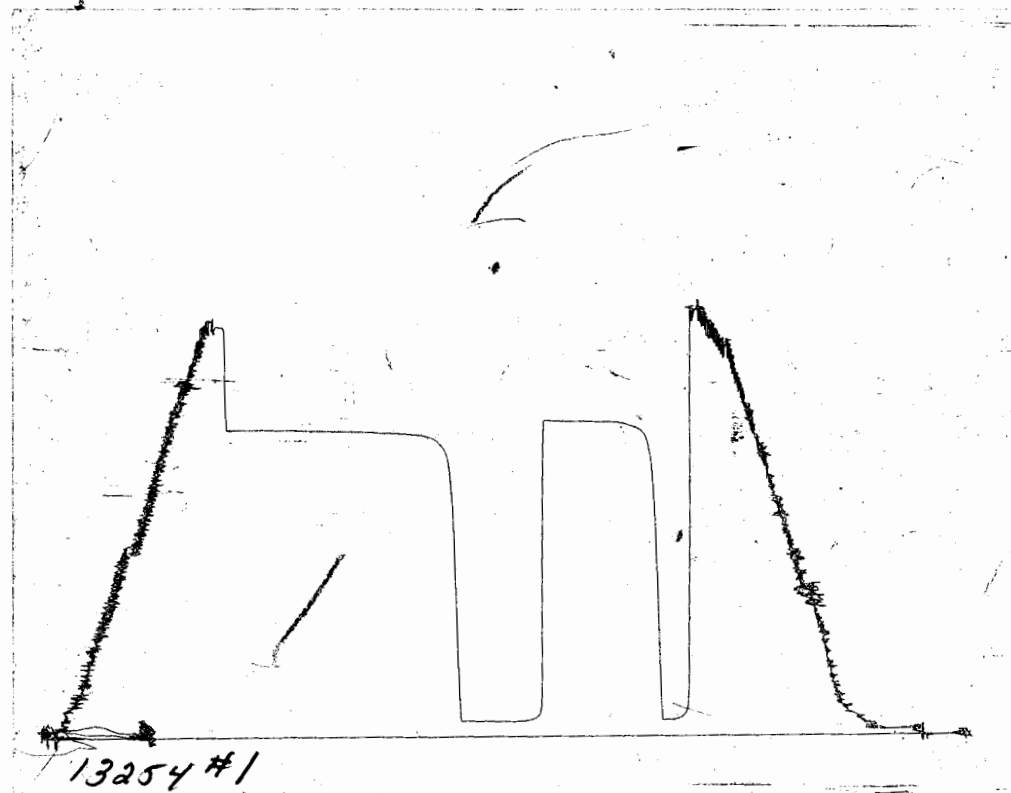
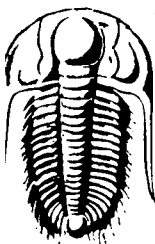


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Sam Gony
OPERATOR

Moffett #23-10
WELL NAME AND NO.

1
DST NO.

Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D	Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D
0		1/2"		0		1/2"	
5	10	"	158.443	5	20	"	225.900
10	11	"	165.189	10	19	"	219.154
15	12	"	171.934	15	19	"	219.154
20	13	"	178.680	20	18	"	212.409
				25	17	"	205.663
				30	17	"	}
				35	17	"	
				40	17	"	
				45	17	"	
				50	17	"	
				55	17	"	
				60	17	"	

Remarks: GTS in 5 min IF
Gas sample taken

785 625
5020

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 13860 Date 10-6-00
Company Name Sam Gary
Lease Moffett #23-10 Test No. 1
County Comanche Sec. 23 Twp. 33 Rng. 19

SAMPLER RECOVERY

Gas 3.5 cu. ft ~~ML~~
Oil 0 ML
Mud 1000 ML
Water 0 ML
Other 0 ML
Pressure 1500 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 5,000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 48
Mud Weight 9.3
Filtrate 9.6
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.

P.O. Box 362 • Hays, Kansas 67601

N^o 13860

Test Ticket

Well Name & No.	<u>Moffett #23-10</u>	Test No.	<u>1</u>	Date	<u>10-6-00</u>		
Company	<u>Samuel Gary, Jr. & Associates</u>		Zone Tested	<u>MISS</u>			
Address	<u>1670 Broadway, Ste 2300, Denver, Co. 80202</u>		Elevation	<u>1988</u>	KB <u>1976</u> GL		
Co. Rep / Geo.	<u>Dale Padgett</u>	Cont.	<u>Duke #5-</u>	Est. Ft. of Pay	___ Por. ___ %		
Location: Sec.	<u>23</u>	Twp.	<u>33</u>	Rge.	<u>19</u> Co. <u>Comanche</u> State <u>Ks</u>		
No. of Copies	___	Distribution Sheet (Y, N)	___	Turnkey (Y, N)	___	Evaluation (Y, N)	___

Interval Tested	<u>5295 - 5370</u>	Initial Str Wt./Lbs.	<u>56,000</u>	Unseated Str Wt./Lbs.	<u>50,000</u>
Anchor Length	<u>75</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>60,000</u>
Top Packer Depth	<u>5290</u>	Tool Weight	<u>1800</u>		
Bottom Packer Depth	<u>5295</u>	Hole Size — 7 7/8"	___	Rubber Size — 6 3/4"	___
Total Depth	<u>5370</u>	Wt. Pipe Run	___	Drill Collar Run	<u>178'</u>
Mud Wt. <u>9.3</u> LCM	___	Vis. <u>48</u> WL <u>9.6</u>	___	Drill Pipe Size	<u>4.5XH</u> Ft. Run <u>5107</u>
Blow Description	<u>I.F. Strong B.O.B. in 20 Sec. GTS in 5 min.</u>				

E.F. Strong - B.O.B. as soon as tool opened
Gas bottle filled

Recovery — Total Feet	<u>90</u>	GIP	<u>GTS</u>	Ft. in DC	<u>90</u>	Ft. in DP	___	
Rec.	<u>90</u>	Feet Of	<u>654 Mud</u>	<u>20</u>	%gas	%oil	%water <u>80</u> %mud	
Rec.	___	Feet Of	___	___	%gas	%oil	%water ___ %mud	
Rec.	___	Feet Of	___	___	%gas	%oil	%water ___ %mud	
Rec.	___	Feet Of	___	___	%gas	%oil	%water ___ %mud	
Rec.	___	Feet Of	___	___	%gas	%oil	%water ___ %mud	
BHT	<u>123</u>	°F Gravity	___	°API D@	___	°F Corrected Gravity	___	°API
RW	___	@	___	°F Chlorides	___	ppm Recovery	___	Chlorides <u>5,000</u> ppm System

(A) Initial Hydrostatic Mud	<u>2602</u>	PSI	Recorder No.	<u>3024</u>	T-On Location	<u>08:00</u>
(B) First Initial Flow Pressure	<u>55</u>	PSI	(depth)	<u>5302</u>	T-Started	<u>09:06</u>
(C) First Final Flow Pressure	<u>62</u>	PSI	Recorder No.	<u>13254</u>	T-Open	<u>12:30</u>
(D) Initial Shut-In Pressure	<u>1900</u>	PSI	(depth)	<u>5365</u>	T-Pulled	<u>18:20</u>
(E) Second Initial Flow Pressure	<u>52</u>	PSI	Recorder No.	___	T-Out	<u>21:10</u>
(F) Second Final Flow Pressure	<u>60</u>	PSI	(depth)	___	T-Off Location	<u>21:30</u>
(G) Final Shut-in Pressure	<u>1847</u>	PSI	Initial Opening	<u>20</u>	Test	<u>850</u>
(Q) Final Hydrostatic Mud	<u>2517</u>	PSI	Initial Shut-in	<u>90</u>	Jars X	<u>200</u>
			Final Flow	<u>60</u>	Safety Joint X	<u>50</u>
			Final Shut-in	<u>180</u>	Straddle	___

12:04
13:10
10

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By _____

Our Representative Dan Sample

Circ. Sub _____
Sampler X 200
Extra Packer _____
Elec. Rec. X 150
Mileage 128.63
Other 3 hrs 90
TOTAL PRICE \$ 1403

GEOLOGICAL REQUIREMENTS - DISTRIBUTION LIST

PROSPECT : BACK TO BACK

WELL NAME: MOFFETT 23-10

LOCATION: NW SE Sec. 23
T33S - R19W

COUNTY/STATE: COMANCHE CO., KANSAS

OPERATOR: Samuel Gary Jr. & Associates, Inc.

Company Name:	Samuel Gary Jr. & Associates 1670 Broadway, Ste 3300 Denver, CO 80202	Nexus Resources 650 South Cherry Street Suite 420 Denver, CO 80246				
Office Phone:	(303) 831-4673	(303) 320-1983				
Fax Phone:	(303) 831-9012	(303) 320-5780				
Contact Person:	Tom Fertal (303) 366-6198 hm	Barry Curtis-Lusher				
Alternate Contact:	Sam Gary Jr.(303) 322-2041 hm	home: (303) 399-5997				
State/Federal Rpts:	1	1				
Location Plat:	1	1				
Daily Drilling Rpts:						
Fax Daily:	1	1				
Mailed Weekly:						
Mud Logs Daily Fax:	1	1				
Final Prints:	4	2				
Drill Stem Test Rpts:	4	2				
Core Analysis Rpts:	1	1				
Electric Logs:						
Field Prints:	2					
Final Prints:	4	2				
Sepia/Mylar:	1					
Fax:	1					
LAS Diskette:	1					
Geologic Report:	1	1				
Final Well History:	1	1				
Completion Report:	1	1				
Fluid Analysis Rpts:	1	1				
Sample Cuts:	1					