



KANSAS CORPORATION COMMISSION 1100213  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that 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.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1100213

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Atlas Operating LLC
Well Name	Garden City 22-19
Doc ID	1100213

All Electric Logs Run

Dual Induction Log
Compensated Neutron- Density Log
Microlog
Cbl



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

**INVOICE**

Invoice # **248515**

Invoice Date: 03/21/2012 Terms: 10/10/30, n/30

Page **1**

ATLAS OPERATING, LLC  
15603 KUYKENDAHL, SUITE 200  
HOUSTON TX 77090-3655  
(281) 893-9400

GARDEN CITY 22-19  
33902  
19-22S-33W  
3-20-2012  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	275.00	17.6500	4853.75
1102	CALCIUM CHLORIDE (50#)	776.00	.8900	690.64
1118B	PREMIUM GEL / BENTONITE	517.00	.2500	129.25
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-576.96
9999-130	CASH DISCOUNT	-267.76

Description	Hours	Unit Price	Total
439 TON MILEAGE DELIVERY	774.00	1.67	1292.58
520 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
520 EQUIPMENT MILEAGE (ONE WAY)	60.00	5.00	300.00

DESCRIPTION Cement  
ACCOUNT # 160015  
WELL NAME \_\_\_\_\_  
AFE # \_\_\_\_\_  
DATE \_\_\_\_\_ APPROVED \_\_\_\_\_

8 5/8" Surface

Amount Due 8877.05 if paid after 04/20/2012

Parts:	5769.64	Freight:	.00	Tax:	386.85	AR	7989.35
Labor:	.00	Misc:	.00	Total:	7989.35		
Sublt:	-844.72	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914



**CONSOLIDATED**  
ON Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

TICKET NUMBER 33902

LOCATION Oaklay, KS

FOREMAN Walt Dinkel

**FIELD TICKET TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-20-12	1226	Garden City 22-19	19	22 <sup>s</sup>	33 <sup>w</sup>	Finna
CUSTOMER <u>Atlas Operating, LLC</u>		Big Lowe + Barlow 1/2W 1/4S 1/4E	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			<u>520</u>	<u>Cory Davis</u>		
CITY			<u>439</u>	<u>Wes Finna</u>		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 340' CASING SIZE & WEIGHT 8 5/8 - 23 #  
 CASING DEPTH 340' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 15'  
 DISPLACEMENT 20 1/2 DISPLACEMENT PSI 200# MIX PSI \_\_\_\_\_ RATE 5-6 BPM

REMARKS: Safety Meeting, Rig up on Val # 7, circ on bottom  
Mix 275 sks com, 3 1/2 cc - 2 1/2 gal, release Plug + Displace 20' - DBL H<sub>2</sub>O  
Shutin  
Cement Did Circ  
Approx 5BD to Bit

2:45<sup>h</sup>

Thank You  
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54019	1	PUMP CHARGE	1,085 <sup>00</sup>	1,085 <sup>00</sup>
5406	60	MILEAGE	5 <sup>00</sup>	300 <sup>00</sup>
11043	275 sks	Class A Cement	17 <sup>65</sup>	4,853 <sup>75</sup>
1102	776 #	Calcium Chloride	1 <sup>89</sup>	1,427 <sup>84</sup>
1118B	517 #	Gel	25	12,925
5407A	12.9	Ton Mileage Delivery	167	1,292 <sup>50</sup>
4432	1	8 5/8 Wooden Plug	96 <sup>00</sup>	96 <sup>00</sup>
				8,447 <sup>22</sup>
		Less 10% Disc	-	844 <sup>72</sup>
				7,602 <sup>50</sup>
		248515	SALES TAX	386.85
			ESTIMATED TOTAL	7989.35

Revin 3737

AUTHORIZATION Jesse Carrillo TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

**INVOICE**

Invoice # 248643

Invoice Date: 03/28/2012 Terms: 10/10/30,n/30

Page 1

ATLAS OPERATING, LLC  
15603 KUYKENDAHL, SUITE 200  
HOUSTON TX 77090-3655  
(281) 893-9400

GARDEN CITY B-22-19  
33940  
19-22S-33W  
3-27-2012  
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	725.00	15.1000	10947.50
1126	OIL WELL CEMENT	200.00	22.5500	4510.00
1104CS	CLASS "C" CEMENT (SALE)S	150.00	18.7000	2805.00
1118B	PREMIUM GEL / BENTONITE	4988.00	.2500	1247.00
1110A	KOL SEAL (50# BAG)	4625.00	.5600	2590.00
1107	FLO-SEAL (25#)	181.00	2.8200	510.42
4161	FLOAT SHOE 4 1/2" AFU	1.00	342.0000	342.00
4283	DV TOOL W/ LATCH DOWN	1.00	3850.0000	3850.00
4129	CENTRALIZER 4 1/2"	10.00	46.0000	460.00
4103	CEMENT BASKET 4 1/2"	4.00	261.0000	1044.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-2830.59
9999-130	CASH DISCOUNT	-808.95

Description	Hours	Unit Price	Total
456 SINGLE PUMP	1.00	3020.00	3020.00
460 TON MILEAGE DELIVERY	2856.00	1.67	4769.52
528 EQUIPMENT MILEAGE (ONE WAY)	60.00	5.00	300.00

DESCRIPTION Cement  
 ACCOUNT # 170005  
 WELL NAME \_\_\_\_\_  
 AFE # \_\_\_\_\_  
 DATE \_\_\_\_\_  
 APPROVED \_\_\_\_\_  
 4 1/2 PROD -

Amount Due 38504.25 if paid after 04/27/2012

Parts:	28305.92	Freight:	.00	Tax:	1897.93	AR	34653.83
Labor:	.00	Misc:	.00	Total:	34653.83		
Sublt:	-3639.54	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 33940  
LOCATION Oshtey KS  
FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-27-12	1226	Garden City B-22-19	19	22S	33W	Finney
CUSTOMER Atlas Operations LLC			Baylor			
MAILING ADDRESS			Arlow			
CITY			Arlow			
STATE			KS			
ZIP CODE			67901			
TRUCK #	DRIVER	TRUCK #	DRIVER			
556	Milas S					
528	Wes					
460	Bobby S					
466	Kelly					

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 4935' CASING SIZE & WEIGHT 4 1/2 10.5  
CASING DEPTH 4896 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DU @ 2700'  
SLURRY WEIGHT 13.8-12.5 SLURRY VOL \_\_\_\_\_ WATER gal/ok \_\_\_\_\_ CEMENT LEFT IN CASING 42 1/2  
DISPLACEMENT 77.1 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

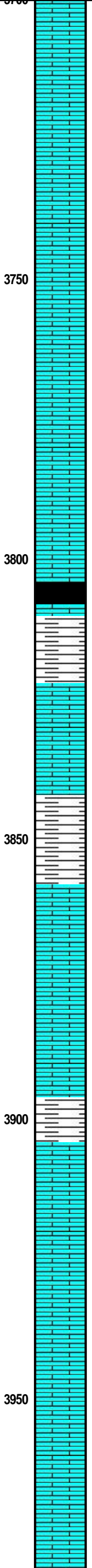
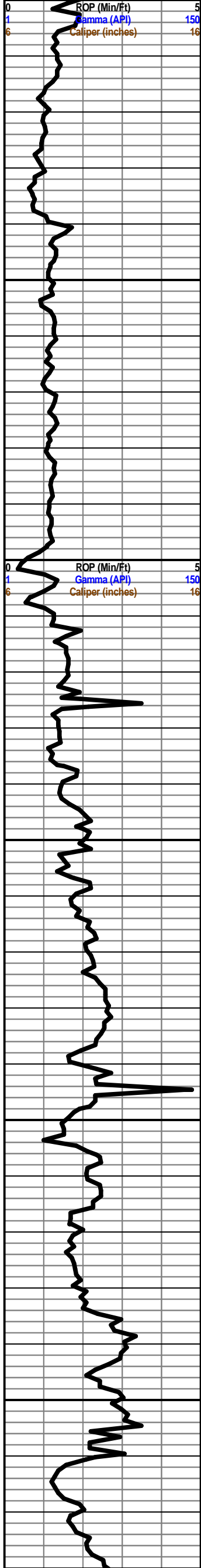
REMARKS: Safety meeting on Unit #7 Floathrip - Cont 1, 3, 4, 7, 9, 14, 19, 31, 40, 47  
Baskets - 17, 39, 49, 67, DU Tool @ 52. Circ the Pump 596 water mix  
2.25 sacks 60/40 89 seal 1/4" Flo Seal w/ 5# Kol Seal Tail with 200 gals o/wc 5# Kol Seal  
Wash pump + lines Drop plus and displace 34 9/16 water + 43 1/2 89 hand. 1200#  
1.5" + 1800# hand Floathold. Drop DU Bomb wait 15 min open tool @ 800#  
Circ 2 hrs. Pump 596 water mix 4.5 sacks 60/40 pos 89 seal 1/4" Flo Seal, 5#  
Kol Seal (plugged RH with 30 sacks, MH with 20 sacks) Tail in with  
1.5 sacks class 'C' wash pump + lines Drop plus and displace 43 9/16 water  
800# 1.5" 1550# close DU Tool. Cement did circulate approx 45 gal  
to pit. Thanks Fuzzy + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 c	1	PUMP CHARGE	3020 <sup>00</sup>	3020 <sup>00</sup>
5406	60	MILEAGE	5 <sup>00</sup>	300 <sup>00</sup>
5407 a	47.6 Ton	Top Mileage Delivery	10 <sup>00</sup>	476 <sup>00</sup>
1131	725 sacks	60/40 pos	15 <sup>10</sup>	10947 <sup>50</sup>
1126	200 gals	OWC	22 <sup>50</sup>	4510 <sup>00</sup>
1104 c s	150 sacks	Class 'C'	19 <sup>70</sup>	2955 <sup>00</sup>
1118 B	4988#	Bentonite	12 <sup>5</sup>	1247 <sup>00</sup>
1110 a	4625#	Kol-seal	15 <sup>6</sup>	2590 <sup>00</sup>
1107	181#	Flo Seal	2 <sup>83</sup>	510 <sup>42</sup>
4161	1	4 1/2" AFU Floathood	342 <sup>00</sup>	342 <sup>00</sup>
4283	1	4 1/2" DU Tool w/ latch/out	3850 <sup>00</sup>	3850 <sup>00</sup>
4129	10	4 1/2" Centralizers	46 <sup>00</sup>	460 <sup>00</sup>
4103	4	4 1/2" Baskets	261 <sup>00</sup>	1044 <sup>00</sup>
		subtotal		36395 <sup>44</sup>
		less 1090		3639 <sup>54</sup>
		subtotal		32755 <sup>90</sup>
		248643		
		SALES TAX		1897 <sup>92</sup>
		ESTIMATED TOTAL		34653.82

Revin 3737

AUTHORIZATION [Signature] TITLE Foreman DATE 3-27-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Ls., gy, chlky, vf gr, gran - sli sdy, fri, fr intgran Por, n/s

Ls. wh, gy, vf gr, chlky, soft, n/s

3750

Ls., vf gr, sing, firm, p vis por, sli chlky, shaly, n/s

Ls., wh, gy, vf gr, p vis por, firm, n/s

Ls., sdy, crm, gy, vf gr, p intgran Por, chlky, firm, n/s

3800

**Heebner Sh 3804 (-894)**

Sh., blk

Sh., gy, firm

Ls., wh, gy, chlky, p vis por, n/s

3850

**Lansing 3857 (-947)**

Ls., crm, vf gr, sing, p intgran Por, firm-hd, n/s

Ls., crm, vf gr, sing, firm, p intgran Por, barren, no odr

3900

Sh., gy, grn, soft

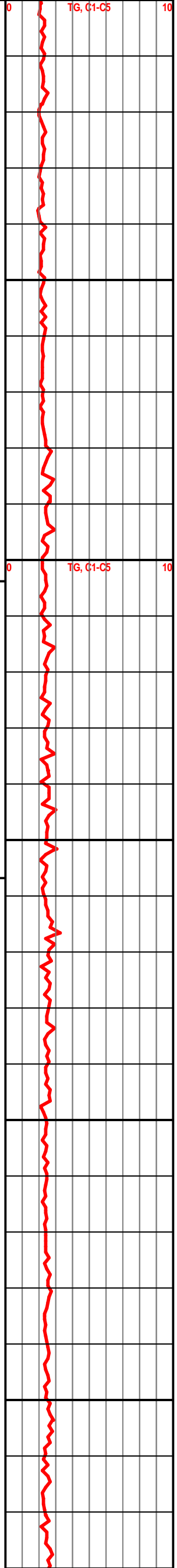
Ls., crm, vf gr, p intgran Por, n/s

Ls. a.a.

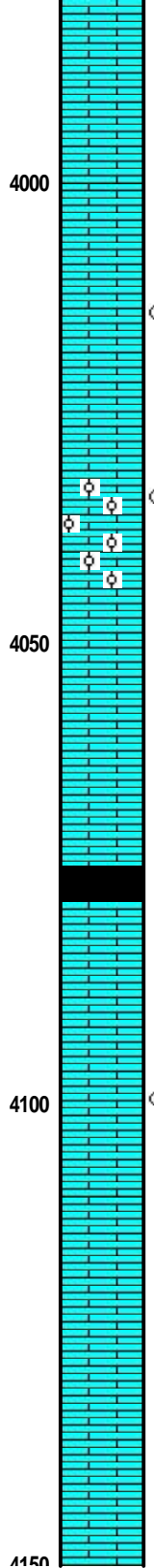
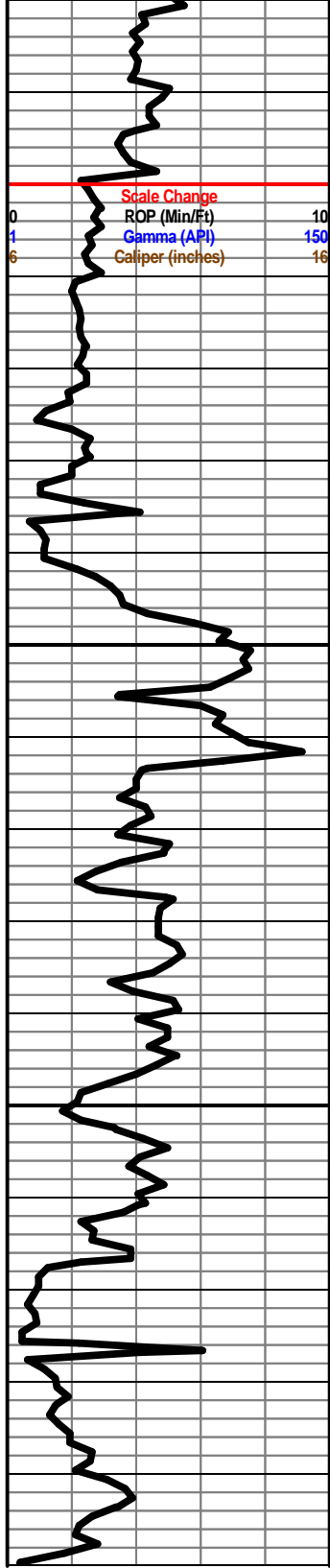
3950

Ls., wh, crm, dnse, hd, n/s

Ls., wh, chlky, shaly, n/s







Ls., crm, vf gr, p intgran Por, dnse, n/s

Ls., crm, vf gr, platy, p vis Por, n/s

Ls., crm, vf gr, p intgran por, rr vug Por, VSSFO, rr brn O strn, fri, chlky, wk fluor, no odr

Ls., crm, ool IP, fr -intool Por, SSFO, ft odr

Ls, wh, crm, sing, firm-hd, dnse, p vis Por, n/s

Ls., crm, wh, chlky, p intgran Por, n/s

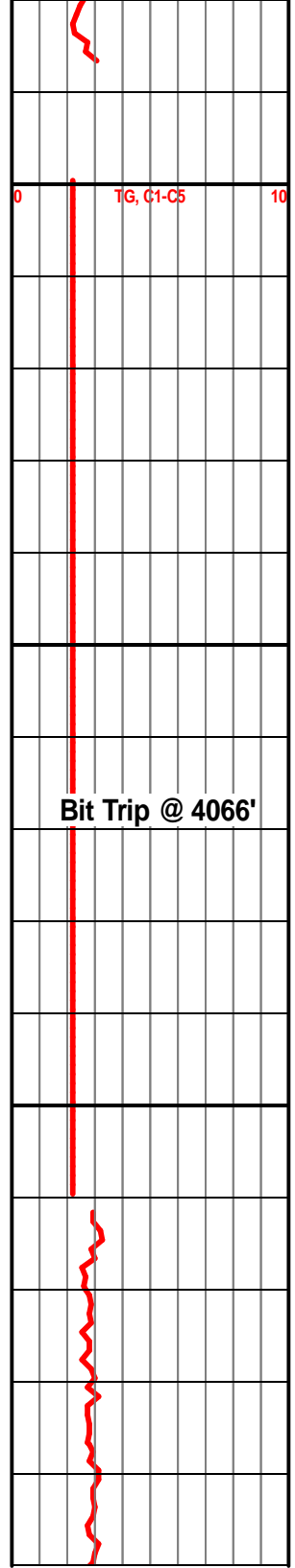
Sh., blk

Ls., crm, brn, vf gr, rr vug Por, inc. wh-gy fresh Cht

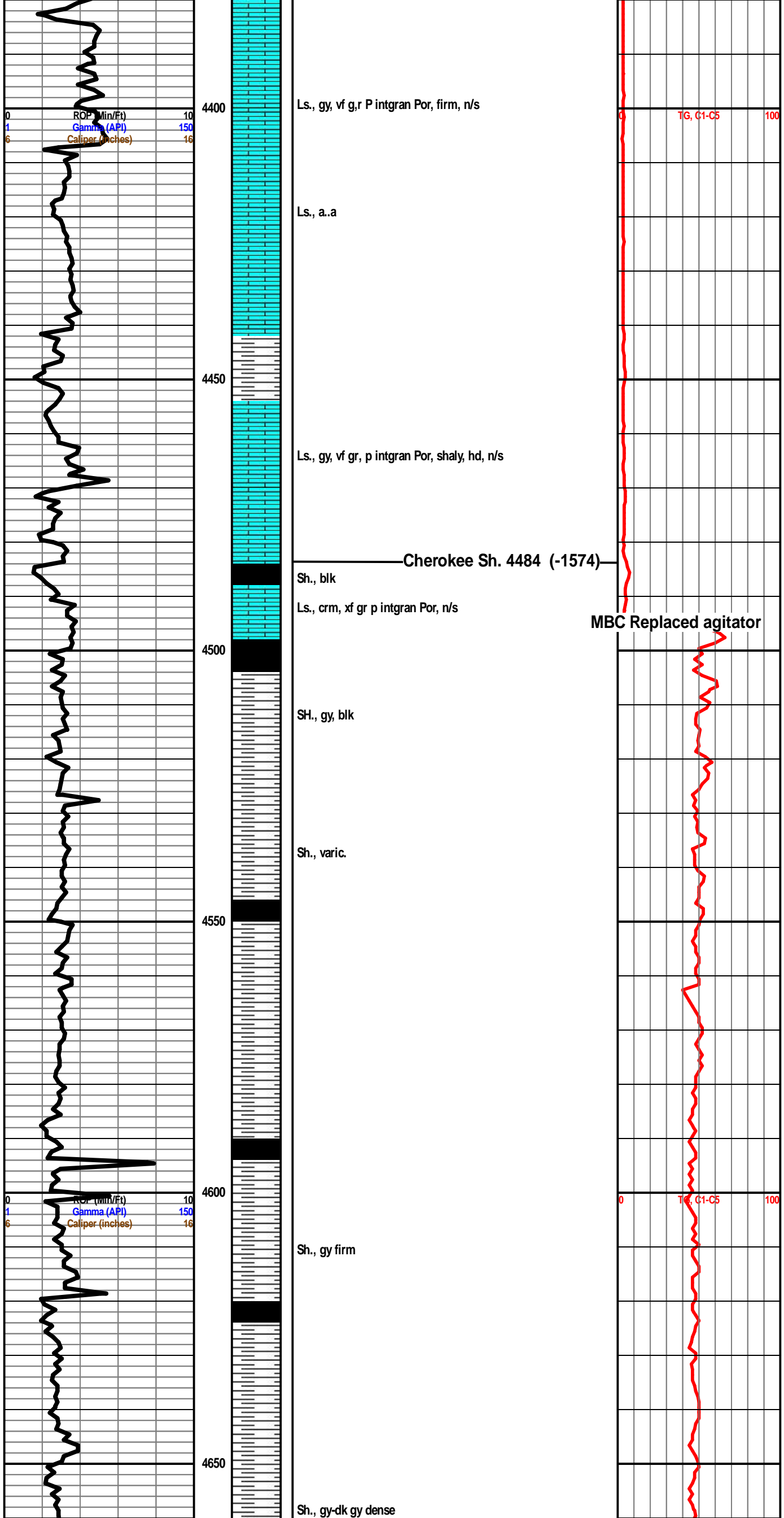
Ls., crm, vf gr, ool IP, p intOOL Por, FSFO-lt brn, mod odr, scattered fluor

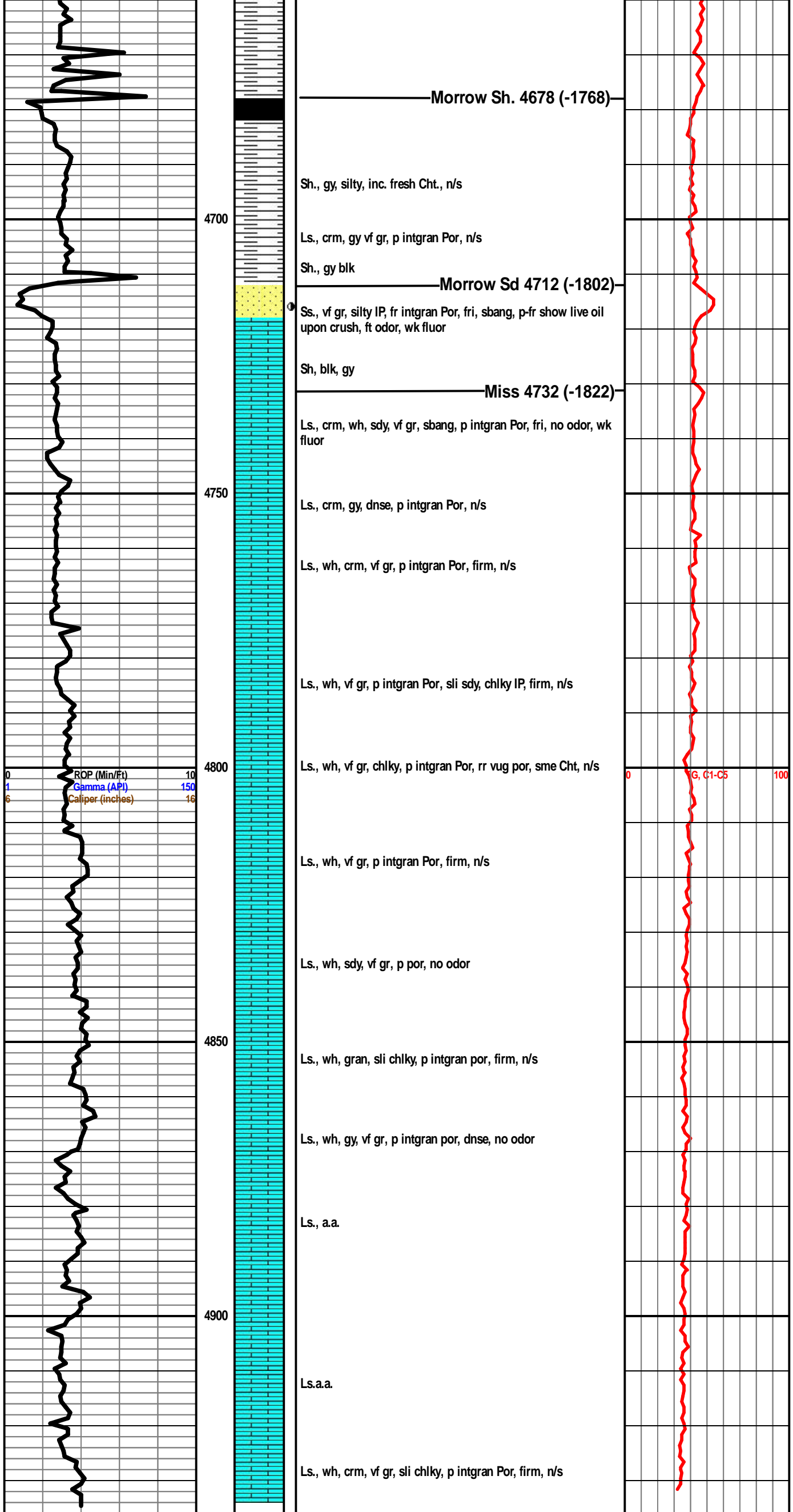
Ls., wh, crm, f gr, chlky-sbchlky, fr intgran por, fri, no odor

Ls., crm, gy, vf gr, Pintgran Por, rr vug, no odor











**WELL COMPARISON SHEET**

**Company:** Atlas Operating LLC

**Well:** #22-19 Garden City

**Elevation:** 2912' KB 2902' GL

**Location:** 990' FNL & 909' FEL

**Field:** Damme

**Sec. 19 - 22S - 33W**

**Finney Co., KS**

**Surface Casing:** 340

**Contact:**

**Geological:** Sean Deenihan

**Wellsite Geologist:** Sean Deenihan **Cell:** 316-640-7034

**Drilling Contractor:** Val Rig #7

**DRILLING WELL**

Garden City #22-19

990' FNL & 909' FEL

2912 KB

Formation	Sample	Sub-Sea	Log	Sub-Sea
Krider	2542	370	2542	370
Heabner	3804	-892	3805	-893
Lansing	3857	-945	3853	-941
Stark	4197	-1285	4198	-1286
Cherokee	4364	-1452	4362	-1470
Morrow Sh	4678	-1766	4675	-1763
Morrow SD	4712	-1800	4712	-1800
St Gen	4722	-1810	4718	-1806
St Louis	4784	-1872	4784	-1872
<b>Total Depth</b>	<b>4935</b>	<b>-2023</b>	<b>4933</b>	<b>-2021</b>