



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: _____



1100917

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Atlas Operating LLC
Well Name	Garden City 24-19
Doc ID	1100917

All Electric Logs Run

Dual Induction
Compensated Neutron-Density
Microlog
Cbl

001598

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 131520

Invoice Date: Jun 13, 2012

Voice: (817) 546-7282
Fax: (817) 246-3361

Page: 1



Bill To:

Atlas Operating
15603 Kuykendahl Suite #200
Houston, TX 77090-3655

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City B 24-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 13, 2012	7/13/12

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	Class A Common	16.25	3,656.25
4.00	MAT	Gel	21.25	85.00
8.00	MAT	Chloride	58.20	465.60
243.30	SER	Cubic Feet	2.10	510.93
832.50	SER	Ton Miles	2.35	1,956.37
1.00	SER	Surface	1,125.00	1,125.00
43.00	SER	Extra Footage	0.95	40.85
75.00	SER	Heavy Vehicle Mileage	7.00	525.00
1.00	SER	Manifold Head Rental	200.00	200.00
75.00	SER	Light Vehicle Mileage	4.00	300.00
1.00	EQP	8 5/8 Surface Plug	92.00	92.00
1.00	EQUIP OPER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Chris Helpingstine		

KS Drilling
Rig # 2
L. Hearld

RECEIVED JUN 25 2012

DESCRIPTION Cement

ACCOUNT # 160015

WELL NAME _____

AFE # _____

DATE _____ APPROVED E Allen

6/26/12

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2486.74

ONLY IF PAID ON OR BEFORE
Jul 8, 2012

Subtotal	8,957.00
Sales Tax	320.26
Total Invoice Amount	9,277.26
Payment/Credit Applied	
TOTAL	9,277.26

ALLIED OIL & GAS SERVICES, LLC 056216

Federal Tax I.D.# 20-6975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT

Osley

DATE <u>6-13-12</u>	SEC. <u>19</u>	TWP. <u>22</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>6-14-12</u> <u>12:30 Am</u>	JOB START <u>6-14-12</u> <u>7:30 Am</u>	JOB FINISH <u>8:00 Am</u>
LEASE <u>Barlow City B</u>		WELL # <u>2419</u>		LOCATION <u>Barlow Rd 5/2 W - S + W into</u>		COUNTY <u>Finney</u>	STATE <u>Ks.</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Pioneer #2
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 350
 CASING SIZE 8 5/8 DEPTH 343
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 20.89

OWNER Same
 CEMENT
 AMOUNT ORDERED 225 sks Com 3% CC
2% Gel

COMMON	<u>225 sks</u>	@ <u>\$16.25</u>	<u>\$3656.25</u>
POZMIX		@	
GBL	<u>4 sks</u>	@ <u>\$21.25</u>	<u>\$85.00</u>
CHLORIDE	<u>8 sks</u>	@ <u>\$58.20</u>	<u>\$465.60</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>243.30 # x</u>	@ <u>\$2.12</u>	<u>\$510.92</u>
MILBAGE	<u>11.10 x 75 x</u>	@ <u>\$2.33</u>	<u>\$1956.32</u>
			TOTAL <u>\$6674.15</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Damon Rasoth
#423-281 HELPER Tyler Flipse
 BULK TRUCK
#347 DRIVER Chris Helpingsvine
 BULK TRUCK
 # DRIVER

REMARKS:
mix 225 sks Cement
Displace with water
Cement Did Circulate

Thank You.

CHARGE TO: Atlas
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>343</u>		
PUMP TRUCK CHARGE			<u>\$1125.00</u>
EXTRA FOOTAGE	<u>43</u>	@ <u>.95</u>	<u>\$40.95</u>
MILBAGE	<u>75</u>	@ <u>7.00</u>	<u>\$525.00</u>
MANIFOLD	<u>Hard</u>	@	<u>\$200.00</u>
LV Mileage		@ <u>11.00</u>	<u>\$300.00</u>
		@	<u>\$300.00</u>
			TOTAL <u>\$2109.15</u>

PLUG & FLOAT EQUIPMENT

<u>1 Surface Plug</u>	@	<u>\$92.99</u>
	@	
	@	
	@	
	@	
TOTAL <u>\$92.99</u>		

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES 8,875.30
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Leonard Herald
 SIGNATURE Leonard Herald

Bid 20/0/20/45



001669

INVOICE

PO Box 93999
Southlake, TX 76092

RECEIVED JUL - 9 2012

Invoice Number: 131769

Invoice Date: Jun 30, 2012

Voice: (817) 546-7282
Fax: (817) 246-3361

Page: 1



Bill To:
Atlas Operating
15603 Kuykendahl Suite #200
Houston, TX 77090-3655

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City #24-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 30, 2012	7/30/12

Quantity	Item	Description	Unit Price	Amount
200.00	MAT	Lite Type 2	14.50	2,900.00
4.00	MAT	Gel		
200.00	MAT	ASC	19.00	3,800.00
19.00	MAT	Salt		
1,000.00	MAT	Gilsonite	0.89	890.00
50.00	MAT	FloSeal	2.70	135.00
500.00	MAT	Super Flush	1.27	635.00
480.95	SER	Handling	2.10	1,010.00
1,533.02	SER	Ton Miles	2.35	3,602.60
1.00	SER	Production	2,405.00	2,405.00
75.00	SER	Heavy Vehicle Mileage	7.00	525.00
1.00	SER	Manifold Head Rental	200.00	200.00
75.00	SER	Light Vehicle Mileage	4.00	300.00
1.00	EQP	4 1/2 DV Tool	3,187.00	3,187.00
1.00	EQP	4 1/2 Latxh Down Plug Assy	233.00	233.00
1.00	EQP	4 1/2 AFU Float Shoe	327.00	327.00
2.00	EQP	Basket	270.00	540.00
11.00	EQP	Centralizers	48.00	528.00
1.00	EQUIP OPER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Brandon Wilkinson		

*L. Hearld
KS-R19#2
E. Allen
7/12/12
Cement
160015*

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ _____

ONLY IF PAID ON OR BEFORE
Jul 25, 2012

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 131769

Invoice Date: Jun 30, 2012

Voice: (817) 546-7282
Fax: (817) 246-3361

Page: 2



Bill To:

Atlas Operating
15603 Kuykendahl Suite #200
Houston, TX 77090-3655

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City #24-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 30, 2012	7/30/12

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Adam Holcomb		
1.00	OPER ASSIST	Jeremy Sterger		
1.00	CEMENTER	Larene Wentz		
DESCRIPTION _____ _____ ACCOUNT # _____ WELL NAME _____ AFE # _____ DATE _____ APPROVED _____				

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 5350.42

ONLY IF PAID ON OR BEFORE
Jul 25, 2012

Subtotal	21,217.60
Sales Tax	981.54
Total Invoice Amount	22,199.14
Payment/Credit Applied	
TOTAL	22,199.14

ALLIED OIL & GAS SERVICES, LLC 056229

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Cataly

DATE <i>6-30-12</i>	SEC. <i>19</i>	TWP. <i>22</i>	RANGE <i>33</i>	CALLED OUT	ON LOCATION	JOB START <i>3:20 pm</i>	JOB FINISH <i>4:00 pm</i>
CITY <i>Garden City</i>	WELL # <i>24-19</i>	LOCATION <i>Barlow Rd 5 1/2 W - SW into</i>	COUNTY <i>Flory</i>	STATE <i>Ks.</i>			
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR *Pipner #2*

TYPE OF JOB *Production 2 stage*

WELL SIZE *7 7/8* T.D. *5000'*

CASING SIZE *4 1/2* DEPTH *4924'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL *DW* DEPTH *2700'*

RES. MAX MINIMUM

MEAS. LINE SHOE JOINT *21.50*

CEMENT LEFT IN CSG. *21.50*

PERFS.

DISPLACEMENT *77.95 bbl*

OWNER *Same*

CEMENT

AMOUNT ORDERED *200 sks Lite 1/4 Flo Seal*
200 sks A.S. 5" Gilsomite 10% Salt 2% Gel
500 gal Super Flush.

COMMON <i>Lite Type (P) 20</i>	@	<i>14.50</i>	<i>\$2900.00</i>
POZMIX	@		
GEL <i>4 sks</i>	@	<i>\$21.25</i>	<i>NC</i>
CHLORIDE	@		
ASC <i>200 sks</i>	@	<i>\$19.00</i>	<i>\$3800.00</i>
<i>Salt 19 sks</i>	@	<i>\$23.25</i>	<i>NC</i>
<i>Gilsomite 1000 #</i>	@	<i>1.88</i>	<i>\$1880.00</i>
<i>Flo Seal 50"</i>	@	<i>\$2.70</i>	<i>\$135.00</i>
<i>Super flush 500 gal</i>	@	<i>\$1.22</i>	<i>\$610.00</i>
	@		
	@		
	@		
HANDLING <i>480.75</i>	@	<i>\$2.10</i>	<i>\$1008.00</i>
MILEAGE <i>20.44</i> @ <i>75 x</i>	@	<i>\$2.92</i>	<i>\$602.00</i>
			TOTAL <i>\$12972.00</i>

EQUIPMENT

TRUCK CEMENTER *Warren Racette*

423-281 HELPER *Tyler Flipse*

TRUCK DRIVER *Brendan Wilkison*

398-308

TRUCK DRIVER *Adam Holcomb & Jeremy Stenger*

396-304

382-348 *LaRene Wertz*

REMARKS:

Run Casing Pump Ball Throw

mix Superflusa mix 200 sks Lite mix 200 sks

1st Displace with water and Land Plug

Plant held open Dr Tool Circulate hrs.

Thank You.

CHARGE TO: *Atlas operating*

TREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB *4924'*

PUMP TRUCK CHARGE *\$2405.00*

EXTRA FOOTAGE @

MILEAGE *75* @ *\$7.00* *\$525.00*

MANIFOLD *Head* @ *\$200.00*

1 v mileage @ *\$4.00* *\$300.00*

TOTAL *\$3430.00*

PLUG & FLOAT EQUIPMENT

4 1/2 Weatherford

1 DV Tool @ *\$327.00*

1 APV Float Shoe @ *\$327.00*

1 Latex Down Plug 1154 @ *\$233.00*

2 Baskets @ *270.00* *\$540.00*

11 Centralizers @ *\$48.00* *\$528.00*

TOTAL *\$4815.00*

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME

SIGNATURE *Leonard Heard*

Bid

SALES TAX (If Any)

TOTAL CHARGES *21,217.60*

DISCOUNT IF PAID IN 30 DAYS

Bid 20/20/20/45



001668

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 131748

Invoice Date: Jun 30, 2012

Voice: (817) 546-7282
Fax: (817) 246-3361

Page: 1



RECEIVED JUL - 9 2012

Bill To:
Atlas Operating
15603 Kuykendahl Suite #200
Houston, TX 77090-3655

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City #24-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 30, 2012	7/30/12

Quantity	Item	Description	Unit Price	Amount
600.00	MAT	Light Weight	14.50	8,700.00
150.00	MAT	Class C	22.15	3,322.50
3,000.00	MAT	Gilsonite	0.89	2,670.00
150.00	MAT	FloSeal	2.70	405.00
868.80	SER	Handling'	2.10	1,824.48
2,736.75	SER	Ton Miles	2.35	6,431.36
1.00	EQUIP OPER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Adam Holcomb		
1.00	OPER ASSIST	Jeremy Sterger		
1.00	OPER ASSIST	Brandon Wilkinson		

L. Heard

DESCRIPTION Cement
 ACCOUNT # 160015
 WELL NAME _____
 AFE # _____
 DATE _____ APPROVED E. Allen
 7/12/12

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 6278.51

ONLY IF PAID ON OR BEFORE
Jul 25, 2012

Subtotal	23,353.34
Sales Tax	1,124.76
Total Invoice Amount	24,478.10
Payment/Credit Applied	
TOTAL	24,478.10

ALLIED OIL & GAS SERVICES, LLC 056230

Federal Tax I.D.# 20-5975804

EMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>6-30-12</u>	SEC. <u>19</u>	TWP. <u>22</u>	RANGE <u>33</u>	CALLED OUT ..	ON LOCATION	JOB START <u>7:00 PM</u>	JOB FINISH <u>8:00 PM</u>
WELL # <u>24-19</u>	LOCATION <u>Barlow Rd 5 1/2 W-S+W into</u>			COUNTY <u>Finney</u>	STATE <u>Ks</u>		

CONTRACTOR Pioneer #2

YPB OF JOB Production 2 Stage

OLE SIZE 7 7/8 T.D.

ASING SIZE 4 1/2 DEPTH

UBING SIZE DEPTH

RILL PIPE DEPTH

COL DVT001 DEPTH 2200'

RES. MAX MINIMUM

IEAS. LINE SHOB JOINT

EMENT LEFT IN CSG.

ERFS.

ISPLACEMENT 42, 93

OWNER Same

CEMENT

AMOUNT ORDERED 600 SKs Lite 5" Gilsonite 1/4" Flo. 150 SKs Class "C"

EQUIPMENT

UMP TRUCK CEMENTER Adrian Rocetta

483-281 HBLPER Tyler Flossie

ULK TRUCK

394-304 DRIVER Adam Holcomb Tractor

ULK TRUCK

373-308 DRIVER Brandon Wilkison

COMMON <u>Lite 600 SKs @ \$14.50</u>		<u>\$8700.00</u>
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<u>Class C 150 SKs @ \$22.15</u>		<u>\$3322.50</u>
<u>Gilsonite 300 SKs @ .89</u>		<u>\$2670.00</u>
<u>Elo seal 150 SKs @ \$2.70</u>		<u>\$405.00</u>
HANDLING <u>868.8</u> <u>SKs x .21</u>		<u>\$1824.48</u>
MILEAGE <u>36.49</u> <u>x 75 x .95</u>		<u>\$2613.36</u>
TOTAL		<u>\$23353.94</u>

REMARKS:

Plug Rat hole 30 SKs Cement Pump 5bb
total spacer mix 570 SKs Lite & 150 SKs
Class C. 1/4" Release plug. Displace with
Water Land Plug at 1800' Float held
ement Circulated

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

CHARGE TO: Office Operating

TREET _____

ITY _____ STATE _____ ZIP _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was one to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES 23,353.94

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Sean Williams

Bid 20/20/20/45

Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Atlas Operating, LLC

LEASE Garden #24-19

FIELD Damme

LOCATION 990' FNL & 990' FWL

SEC 19 TWSP 22S RGE 33W

COUNTY Finney STATE Kansas

CONTRACTOR Pioneer Drilling #2

SPUD 6/13/12 COMP 06/29/12

RTD 4980' LTD 4924'

MUD UP 2900' TYPE MUD Chemical

SAMPLES SAVED FROM 3900' TO RTD

DRILLING TIME KEPT FROM 3700' TO RTD

SAMPLES EXAMINED FROM 3900' TO RTD

GEOLOGICAL SUPERVISION FROM 3800'

REFERENCE WELL Garden City #17-19

ELEVATIONS

KB 2915'

DF _____

GL 2907'

Measurements Are All
From Kelly Bushing

CASING

CONDUCTOR _____

SURFACE 8-5/8" at 348'

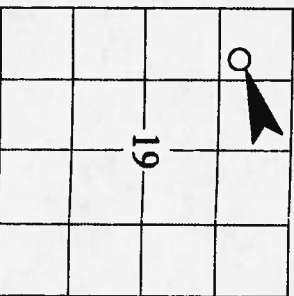
PRODUCTION 5-1/2" at 4924'

ELECTRICAL

SURVEYS
CND; DIL; Micro

Superior

Formation	Sample Tops	E-log Tops	Struct Pos.
Heebner Shale	3821 (-906)	3815 (-900)	-1
Lansing	3872 (-957)	3864 (-949)	-2
BKG	4349 (-1434)	4344 (-1429)	-2
Marmaton	4420 (-1505)	4422 (-1507)	-3
Cherokee	4494 (-1579)	4494 (-1579)	-3
Morrow Sh	4680 (-1765)	4688 (-1773)	-2
Upper Morrow Sd	4707 (-1792)	4707 (-1792)	-2
Lower Morrow Sd	4736 (-1821)	4734 (-1819)	-2
Missippian	4766 (-1851)	4768 (-1853)	+2



REMARKS

Respectfully Submitted,

API #15-055-22143

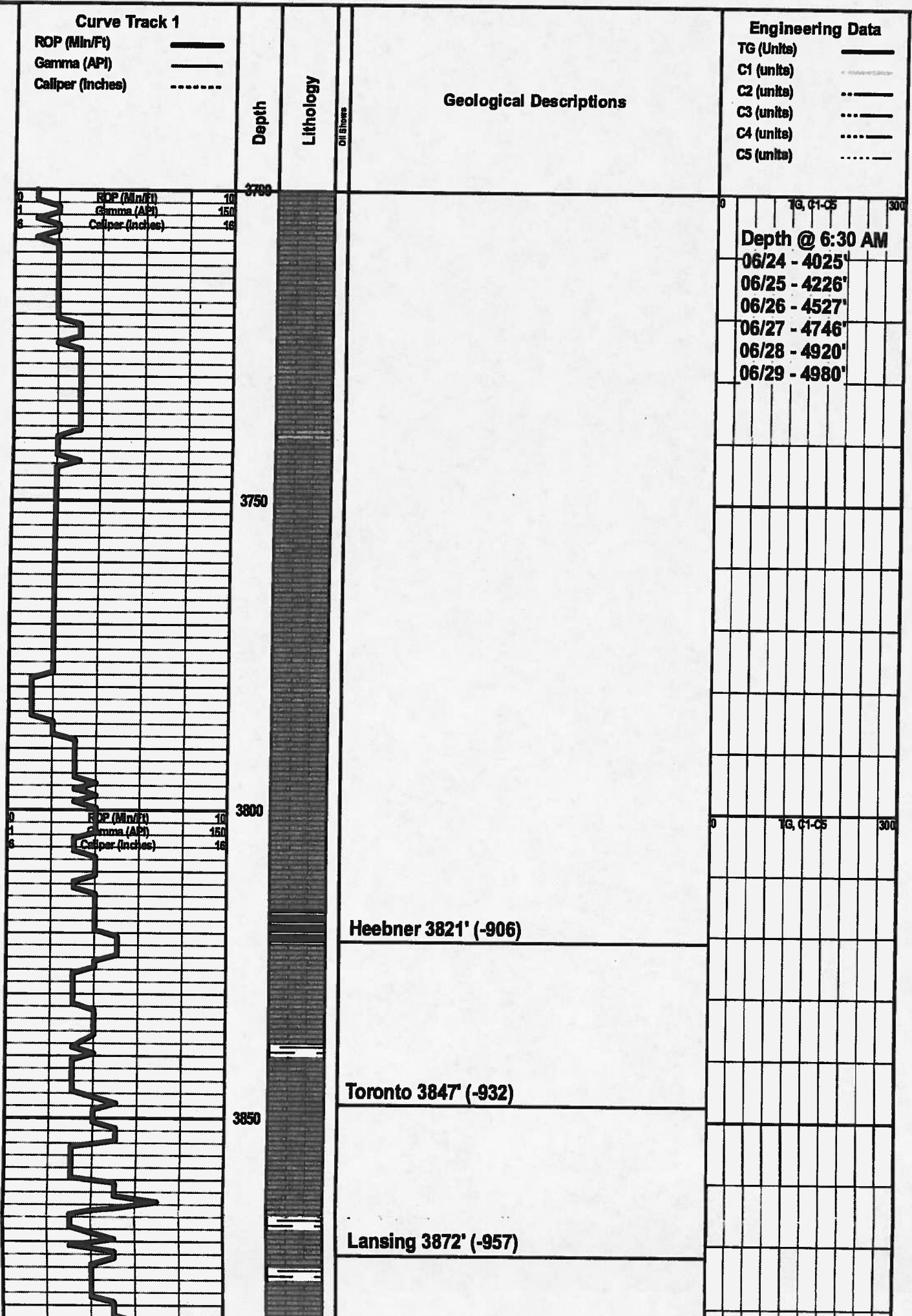
Saman Sharifaie

REMARKS

Respectfully Submitted,

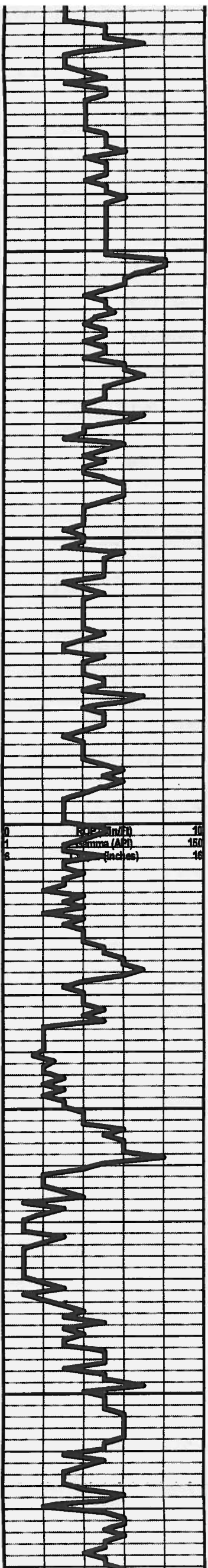
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Saman Sharfaie



Depth @ 6:30 AM
 06/24 - 4025'
 06/25 - 4226'
 06/26 - 4527'
 06/27 - 4746'
 06/28 - 4920'
 06/29 - 4980'

Lansing 3872' (-957)



Ls., cm/gry/tn, sing, f gr, f xln, brec w cht, sli Ool, n/s

Mudco @ 3923'
WT 9.0
VIS 52
WL 7.2
CHL 3,000
LCM 2#

Ls., cm, microdn, sing, sub-chky, fria, pyr, sli fssl, n/s

Ls., a.a, trc dd O str

0 10
 1 150
 6 16
 (inches)

0 1G, C1-C5 300

Ls., wht/lt gry, sing, f to med xln, sli fssl por, n/s

Sh., gry/bm, argil

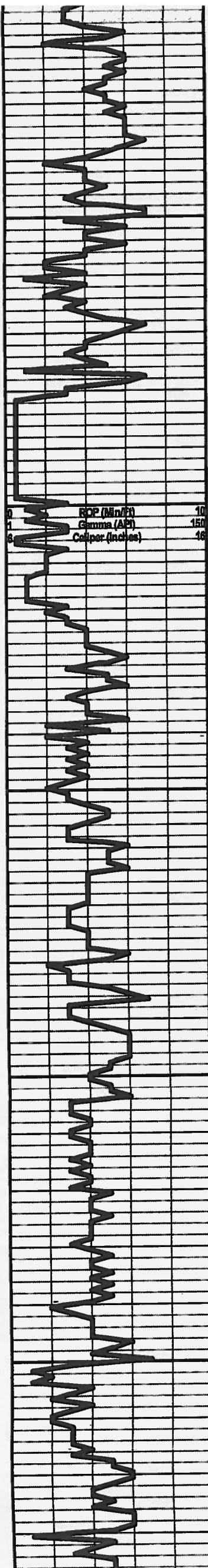
Ls., cm/bm, f to microdn, chky, n/s

Ls., tn/gry, mott, f xln, fssl, n/s

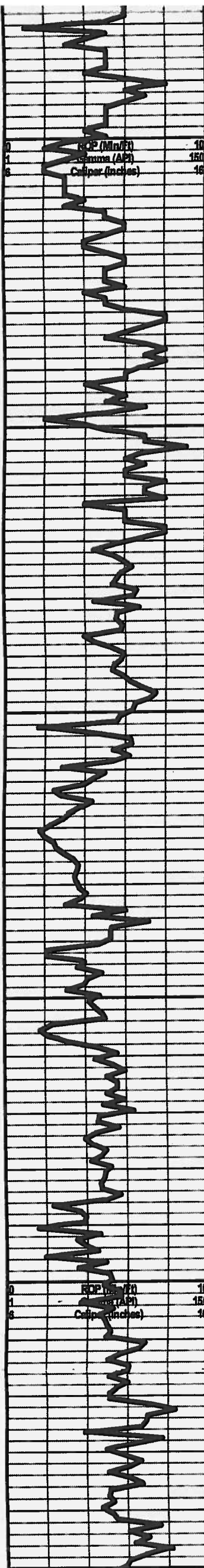
Sh., blk carb

Ls., wht/lt gry/crm, mott, crypto xln, dnse, dol, glauc, chty, sub-chky IP, n/s

Ls., a.a. incr fssl. incr cht



4150	sub-chky IP, n/s	
	Ls., a.a, incr fssl, incr cht	
	Ls., tn/gry, mott, med to vf xln, Ool, rr dd O str, no odr, n/s	
	Ls., cm/wht, chky, fria, brec, n/s	
	Ls., a.a, decr cht	
4200	Ls., cm, Ooc, abund vug por, brec, n/s	0 73, C1-C5 300
	KC "A" 4217' (-1302)	
	Sh., blk carb, trc gn & brn, argil	
	Ls., wht/crm, sing, microxdn, chky, fria, trc cht, fssl, n/s	
4250	Sh., blk carb	
	KC "B" 4255' (-1340)	
	Ls., wht/lt gry, sing, fssl, Ooc to Oom por, sub-chky, n/s	
	Sh., blk carb	
	KC "C" 4280' (-1365)	Mudco @ 4272'
	Ls., lt gry/crm, sing, med gr, stiy, glauc, trc cht, n/s	WT 9.1
	Ls., cm, sing, vf to microxdn, sub-chky, chty, n/s	VIS 51
	Sh., varic, stiy	WL 8.0
	Ls., wht, mdd, chky, n/s	CHL 1,500
	BKC 4349' (-1434)	LCM 3#
4350	Sh., blk carb	
	Sh., gry/gn/or, stiy	
	Ls., gry/tn, mott, microxdn, fssl IP, sub-chky, n/s	



4400
4450
4500
4550
4600
4650

Ls., gry/tn, mott, microxn, fssi IP, sub-chky, n/s

Sh., blk carb

Sh., varic, argil to sity, chky

Sh., blk carb
Marmaton 4420' (-1505)

Ls., crm/gry, sing/mott, p fssi por, n/s

Ls., gry/tn, sing, microxn, fria, trc pyr, n/s

Pawnee 4450' (-1535)

Sh., gry/gn, argil

Ls., gry/tn, vf gr, chty, glauc, n/s

Sh., dk gry/dk gn, argil to sity, pyr

Cherokee 4494' (-1579)

Sh., blk carb

Ls., gry/tn, sing, microxn, sil chty, n/s

Sh., dk gry/gry, argil, strat

Ls., crm, microxn, sub-chky, mdd, argil, n/s

Ls., a.a, incr chit, pyr

Sh., blk carb

Ls., gry/tn, sing, microxn, n/s

Sh., blk carb

Ls., gry/tn, sing, dnse xn to microxn, n/s

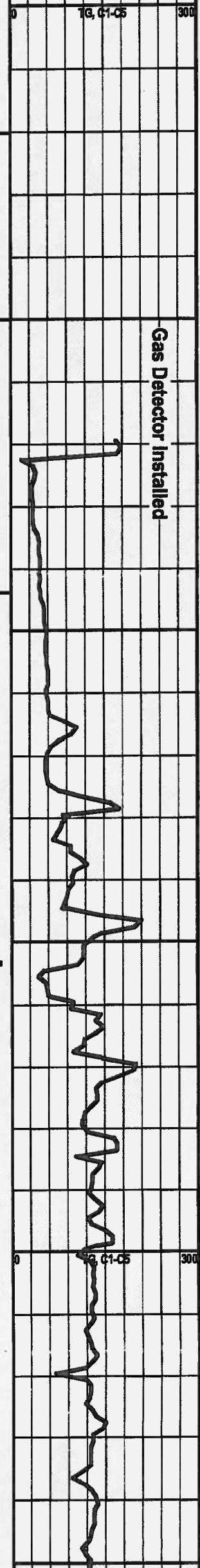
Ls., a.a

Sh., blk carb

Ls., gry/tn, sing, microxn, sub-chky, n/s

Sh., blk carb

Ls., gry/tn, sing/mott, vf gr, dnse xn, abund varic Sh, n/s



Mudco @ 4552'
WT 9.1
VIS 51
WL 8.0
CHL 1,500
LCM 3#

Ls. smth, vf gr, trc pyr, chty, hrec, trc pyr, and to shand.

CHL 1,500
LCM 3#

Sh., blk carb

Ls., gry/tn, sing, dnse xln to microxn, n/s

Ls., a.a

Sh., blk carb

Ls., gry/tn, sing, microxn, sub-chky, n/s

Sh., blk carb

Ls., gry/tn, sing/mott, vf gr, dnse xln, abund varic Sh, n/s

Ls., crm/tn, vf gr, rr vug por, chty, brec, trc pyr, ang to sbang, n/s

Ls., gry/tn, sing, microxn, sub-chky, sli fssl, n/s

Morrow Sh 4680 (-1765)

Sh., blk carb

Ls., a.a, rr gils, cut fluor, SFO

Sh., dk gry/blk/varic IP, sity IP

Sh., varic, sity

Upper Morrow Sd 4707 (-1792)

SS., clr/tn, f to med gr, fria, sbang, srt'd, sli odr, trc fluor, sli SLFO

Ls., gry/tn, sing, dnse xln, sli fssl, trc cht, trc lt Sltst, n/s

Lower Morrow Sd 4736 (-1821)

SS., gry, f gr, srt'd, rrrd, glauc, brec, no odr, trc gn fluor, n/s

Sltst., gry/wht/crm, f gr, Intgran por, mdd, trc flour, n/s

SS., clr/gry/bm, f to med gr, Intgran por, sbang, cong, no flour, no odr, n/s

Mississippi 4766 (-1851)

Sh., varic, sity, fria

Sh., a.a, sli chty

Ls., crm, microxn, ang, chty, pr srt'd, dnse, trc flour, n/s

Sh., blk carb/varic, sity

Sh., gry, mica

SS., wht/crm/gry, f to med gr, Intgran por, gils incl, dd O stnd, trc flour, NSFO

Sh., gry/blk carb, mica, glauc incl

ROP (Min/Ft) 10
Gamma (API) 150
Caliper (Inches) 16

ROP (Min/Ft) 10
Gamma (API) 150
Caliper (Inches) 16

4600

4650

4700

4750

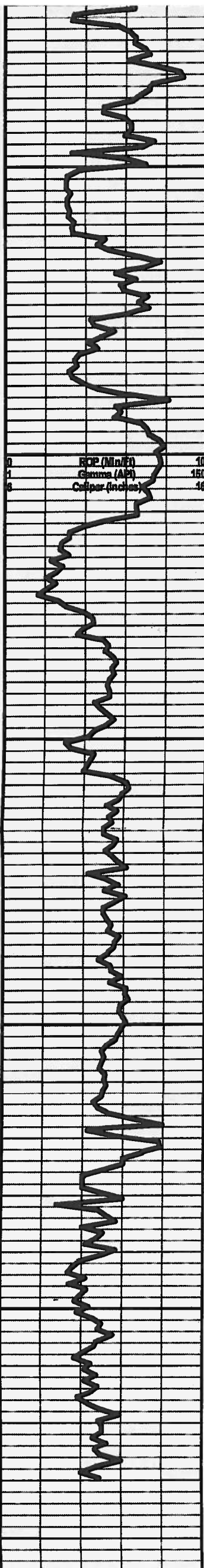
4800

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300

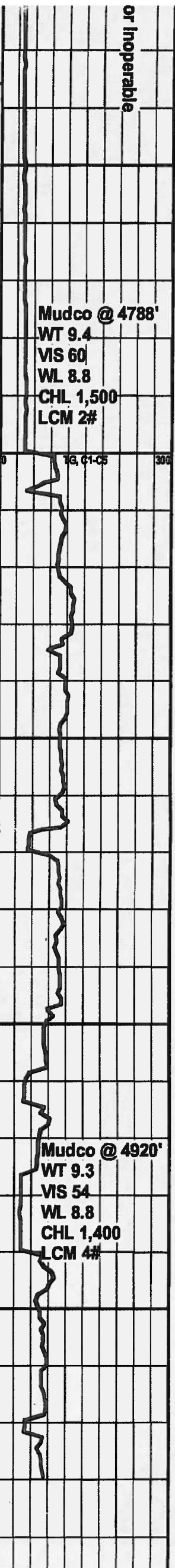
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300

Gas Detector Inoperable

Mudco @ 4788'
WT 9.4
VIS 60
WL 8.8
CHL 1,500
LCM 2#



Ls., gry/tn, sing, dnse xln, sil fesi, trc cht, trc fl silst, n/s
 Lower Morrow Sd 4736 (-1821)
 SS., gry, f gr, srtld, rmd, glauc, brec, no odr, trc gn flour, n/s
 Silst., gry/wht/crm, f gr, intgran por, mdd, trc flour, n/s
 SS., clr/gry/bm, f to med gr, intgran por, sbang, cong, no flour, no odr, n/s
Mississippi 4766 (-1851)
 Sh., varic, slty, fria
 Sh., a.a, sil chty
 Ls., crm, microdn, ang, chty, pr srtld, dnse, trc flour, n/s
 Sh., blk carb/varic, slty
 Sh., gry, mica
 SS., wht/crm/gry, f to med gr, intgran por, gils incl, dd O stnd, trc flour, NSFO
 Sh., gry/blk carb, mica, glauc incl
 SS., crm, f to lg gr, pr srtld, sbang, sub-chky, flour, no odr, n/s
 Sh., varic, mica, argil to slty
 SS., clr/gry w gn incl, intgran por, rr dd O stn, chty, pyr, abund crm Ls, no odr, no flour, n/s
 Sh., blk carb, mica
 Sh., varic, mica
 Cht., crm, frs, dnse, abund varic Sh, n/s
 Ls., crm, sing, f to microdn, pr intgran por, n/s
 Cht., clr/crm/bm, frs, ang, brec, fesi, trc pyr, abund varic Sh, n/s
 Cht., a.a, incr vug por
 Ls., crm/gry, mott, intgran por, chty, dd O stnd, no odr, no flour, n/s
 Cht., gry/tn, frs to sil wthd, mica, n/s
 Ls., crm/gry, mott/sing, microdn to xln, trc fesi to sil Ool por, sub-chky, shly, n/s



or Inoperable