



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: _____



1095961

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
---	---

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
-----------------------------------	-----------	---------	-------------	---------------	---------

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	Atlas Operating LLC
Well Name	Garden City 26-19
Doc ID	1095961

All Electric Logs Run

CDL/CNL
Dual Induction
MEL
Cbl



PO Box 93999
Southlake, TX 76092

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

000398
001516
001517

INVOICE

Invoice Number: 131063
Invoice Date: May 4, 2012
Page: 1

RECEIVED MAY 11 2012



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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Atlas	Damme # 26-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 4, 2012	6/3/12

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	Handling	2.10	510.93
75.00	SER	Ton Miles	26.08	1,956.37
1.00	SER	Surface	1,125.00	1,125.00
39.00	SER	Extra Footage	0.95	37.05
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	Wooden Plug	92.00	92.00
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Tyler Flipse		
1.00	OPER ASSIST	Steve Heikkila		

DESCRIPTION New Drilling well
B. City Leonard Head 8 5/8"
 ACCOUNT # 181025
 WELL NAME _____
 AFE # _____
 DATE _____ APPROVED E. Allen
8/5/8 5/15/12

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

\$ 2462.98

ONLY IF PAID ON OR BEFORE
May 29, 2012

Subtotal	8,953.20
Sales Tax	320.26
Total Invoice Amount	9,273.46
Payment/Credit Applied	
TOTAL	9,273.46

ALLIED CEMENTING CO., LLC. 040966

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley

DATE <i>5/4/12</i>	SEC. <i>19</i>	TWP. <i>22</i>	RANGE <i>33</i>	CALLED OUT	ON LOCATION <i>8:00 AM</i>	JOB START <i>2:30 PM</i>	JOB FINISH <i>3:00 PM</i>
LEASE <i>Damme</i>	WELL # <i>26-19</i>	LOCATION <i>Barlow Rd 5/2 W - 5+6 into</i>			COUNTY <i>Finney</i>	STATE <i>Ks.</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR _____

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *345*

CASING SIZE *8 3/8* DEPTH *339*

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. *15'*

PERFS. _____

DISPLACEMENT *20.63'*

OWNER *Same*

CEMENT AMOUNT ORDERED *225 SKS. Com 3% CC*

2% Gel

COMMON	<i>225 SKS</i>	@ <i>16.25</i>	<i>\$3656.25</i>
POZMIX		@	
GEL	<i>4 SKS</i>	@ <i>21.25</i>	<i>\$85.00</i>
CHLORIDE	<i>8 SKS</i>	@ <i>58.20</i>	<i>\$465.60</i>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>243.3 ft</i>	@ <i>2.10</i>	<i>\$510.93</i>
MILEAGE	<i>11.10 x 75</i>	x <i>2.25</i>	<i>\$1956.37</i>
TOTAL			<i>\$6674.15</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Darren R*

422 HELPER *Tylar*

BULK TRUCK

404 DRIVER *Steve*

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			
PUMP TRUCK CHARGE			<i>\$1125.00</i>
EXTRA FOOTAGE <i>39'</i>	@ <i>.95</i>		<i>\$37.05</i>
MILEAGE <i>75</i>	@ <i>7.00</i>		<i>\$525.00</i>
MANIFOLD <i>Head</i>	@		<i>\$200.00</i>
<i>L.S. mileage</i>	@ <i>4.00</i>		<i>\$300.00</i>
TOTAL			<i>\$2187.05</i>

PLUG & FLOAT EQUIPMENT

<i>1 Surface Plug wooden</i>	@		<i>\$92.00</i>
	@		
	@		
	@		
	@		
TOTAL			<i>\$92.00</i>

To Allied Cementing Co., 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 _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME *LEONARD A. HEARLD*

SIGNATURE *[Signature]*

Bd

PO Box 93999
Southlake, TX 76092

Invoice Number: 131449
Invoice Date: Jun 5, 2012
Page: 1

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

001610

RECEIVED JUN 18 2012



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

Leonard Heard Drilling

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden city B #26-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 5, 2012	7/5/12

Quantity	Item	Description	Unit Price	Amount
200.00	MAT	ASC	19.00	3,800.00
200.00	MAT	ALW	14.50	2,900.00
1,000.00	MAT	Gilsonite	0.89	890.00
50.00	MAT	FloSeal	2.70	135.00
500.00	MAT	WFR11	1.27	635.00
480.95	SER	Handling	2.10	1,010.00
75.00	SER	Ton Miles	48.03	3,602.55
1.00	SER	Production	2,405.00	2,405.00
1.00	SER	Manifold Head Rental	200.00	200.00
75.00	SER	Heavy Vehicle Mileage	7.00	525.00
75.00	SER	Light Vehicle Mileage	4.00	300.00
1.00	EQP	4 1/2 DV Tools	3,187.00	3,187.00
11.00	EQP	4 1/2 Centralizers	48.00	528.00
3.00	EQP	4 1/2 Baskets	270.00	810.00
1.00	EQP	4 1/2 AFU Float Shoe	327.00	327.00
1.00	EQP	Latch Down Assy	233.00	233.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne Mcghghy		
1.00	OPER ASSIST	Ethan Glassman		
1.00	OPER ASSIST	Chris Helpingstine		
1.00	OPER ASSIST	Angel Tapia		

Frac 170011

DESCRIPTION _____
ACCOUNT # _____
WELL NAME _____
AFE # _____
DATE _____ APPROVED *E Allen*
4 1/2 6/19/12

Subtotal	21,487.55
Sales Tax	1,001.65
Total Invoice Amount	22,489.20
Payment/Credit Applied	
TOTAL	22,489.20

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

\$ *5404.26*

ONLY IF PAID ON OR BEFORE
Jun 30, 2012

RECEIVED JUN 18 2012

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 131450

Invoice Date: Jun 5, 2012

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

Page: 1

001209



Bill To:

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

KS DTH #2

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	GardenCityB# 26-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 5, 2012	7/5/12

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class C	22.19	3,328.50
105.88	MAT	Chloride	58.20	6,162.50
144.00	MAT	FloSeal	2.70	388.80
800.00	SER	Handling	2.10	1,680.00
75.00	SER	Ton Miles	79.49	5,961.66
6.00	SER	Waiting Hours	300.00	1,800.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Ethan Glassman		
1.00	OPER ASSIST	Chris Helpingstine		

DESCRIPTION _____

ACCOUNT # 170011

WELL NAME _____

AFE # _____

DATE _____ APPROVED E. Allen

442 6/19/12

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

\$ 5501.92

ONLY IF PAID ON OR BEFORE
Jun 30, 2012

Subtotal	19,321.46
Sales Tax	736.05
Total Invoice Amount	20,057.51
Payment/Credit Applied	
TOTAL	20,057.51

ALLIED CEMENTING CO., LLC. 035403

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oriskany

VE # <i>15112</i>	SEC. <i>19</i>	TWP. <i>22</i>	RANGE <i>33</i>	CALLED OUT	ON LOCATION	JOB START <i>6:00p</i>	JOB FINISH <i>7:30p</i>
City <i>B</i>	WELL # <i>26-19</i>	LOCATION <i>Carroll City N to Barclaw W to Big</i>		COUNTY <i>Franklin</i>	STATE <i>K</i>		
LD OR NEW (Circle one)		<i>Lower 1/2 W 50 E 20</i>					

CONTRACTOR
TYPE OF JOB *Production* *Top Stage*
OLE SIZE *2 1/2"* T.D.
CASING SIZE *4 1/2"* DEPTH *4942'*
UBING SIZE DEPTH
RILL PIPE *3 1/2"* DEPTH
COL *AV* DEPTH *2729'*
RES. MAX MINIMUM
BAS. LINE SHOE JOINT
EMENT LEFT IN CSG.
RFS.
ISPLACEMENT

OWNER *Jone*
CEMENT
AMOUNT ORDERED *575 SK ALW 1/4 Flt*
150 SK Class C

COMMON *Class C - 150 SK @ 22.15* *3322.50*
POZMIX @
GEL @
CHLORIDE @ *6162.50*
ASC @
ALW 11 @ *14.50* *800.00*
425 SK @
Flt Seal *144.16* @ *2.20* *388.00*
HANDLING *800.513 CF* @ *2.12* *1681.08*
MILEAGE *2700/mile* *33.825* *700* *5961.00*

EQUIPMENT
PUMP TRUCK CREWMAN *Alan*
422 HELPER *Wayne*
ULK TRUCK DRIVER *Ethan*
540
ULK TRUCK DRIVER *Chris*
373

REMARKS:

3054, Put Hole mix 295 SK ALW 1/4 Flt Seal Tailw 150 Class C
lower 4 1/2 work Troublesome Displace Plug to 100'
21 1/4 BBL @ 0.900 PSI 150', land Plug @
2000 PSI Tool Chased
Cement did Circulate
Thank you
Alan, Wayne, Ethan
Chris

TOTAL *17575.34*
SERVICE
DEPTH OF JOB
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE @
MANIFOLD @
Waiting on location @ *6 hrs*
@ *300/hr* *1800.00*

CHARGE TO: *Atlas*
FREIGHT
CITY STATE ZIP

TOTAL *1800.00*

Allied Cementing Co., 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 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.

PLUG & FLOAT EQUIPMENT
@
@
@
@
@
TOTAL

PRINTED NAME *DAVIN ROSE*
SIGNATURE *[Signature]*
Eve. Driller

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

B.H

PATRICK J. DENNHAN

Licensed Geologist No. 234

4502 Spyglass Circle

(316) 640-5611

Wentz, KS 67226

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR RTAS OPERATING, LLC

BASE GARDEN CITY B-#26-19

ELD DARNE

LOCATION NE-SW-NE (60'x1/2'x60' FIELD)

EC. 19 TWP. 22 S RGE. 35 W

COUNTY FINNEY STATE KS

INSTRUCTOR PROBATER EXPLORATION RIS #2

DATE 5-28-12 COMP. 6-04-12

LOG TO 4950' TO N/A

LOGS TIME KEPT FROM 3700' TO RTD

LOGS EXAMINED FROM 3900' TO RTD

LOGS SUPERVISION FROM 3700' TO RTD

LOGS UP 3513' TYPE AND CHEMICAL

LOGS 15-055-22144-00-00

FORMATION	TOP	LOG	DEPTH	SAMPLE	STRUCT.
			TOP	DATA	COMP.
ERRINGTON	2507	(+40)	2504	(+404)	-6
TRIDER	2538	(+370)	2536	(+372)	-5
INDUSTRIAL	2571	(+337)	2572	(+336)	-1
LEBNER	3810	(-962)	3806	(-898)	-4
RAISING	3859	(-951)	3855	(-947)	-7
BASE/NE CITY	4340	(-1432)	4340	(-1432)	-3
NEOKATE SW.	4481	(-1573)	4478	(-1570)	-1
GARDEN SW.	4675	(-1767)	4668	(-1760)	-11
WARRAN SD.	4672	(-1764)	4700	(-1800)	+22
UNASSIGNED	4721	(-1813)	4723	(-1815)	+28

ELEVATION
KB 2908'

DF 2900'

Measurements Are All
From KB

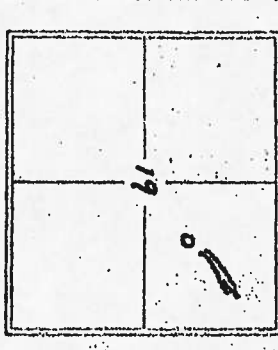
CASING RECORD

SURFACE 8 5/8" O 320'

PRODUCTION 4 1/4" TO 70'

WELL LOG SURVEYS
CND, DTI, MICRO, PE

SUPERIOR WELL SERV



REMARKS IT IS HARD TO DETERMINE THE POTENTIAL OR NON-POTENTIAL OF THIS WELL PAST 4450' DO TO V-POOR SAMPLE CONDITIONS - PREDOMINANTLY SHALE CAVINGS, HOWEVER, WE NOTED GAS KICKS & B-LOG CALCULATIONS & SEVERE REVERSAL OF STRUCTURAL POSITION; CLOSE PROXIMITY TO PRODUCTION IT IS RECOMMENDED & AGREED UPON BY ALL PARTIES CONCERNED THAT PRODUCTION CAS BE SET TO FURTHER EVALUATE THIS WELL.

RESPECTFULLY SUBMITTED,
By PATRICK J. DENNHAN
Patrick J. Denahan
PETROLEUM GEOLOGIST

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carbonaceous	Limestone	Coal/Lime	Chert	Dolomite

SCALE " = 100'

DRILLING TIME	DEPTH	SAMPLE DESCRIPTION	REMARKS
		7:00 AM DEPTH	
		HIRU-5-19-12	
		5-20-12-1722	
		5-21-12-2509	
		5-22-12-3354	
		5-23-12-OPEN WELL 5-27-12	
		5-29-12-3330	
		5-28-12-3925	
		5-29-12-4214	
		5-30-12-4448	
		5-31-12-4448	
		6-01-12-4448	
		6-02-12-4490	
		6-03-12-4758	
		6-04-12-4950	

REFERENCE WELL FOR STRUCTURAL CORRELATION: PROBATER EXPLORATION, LTD - GARDEN CITY 48 1/8-19 1-SE 1/4 NW 1/4 NE

24 50

6-02-12=4490

6-03-12=4758

6-04-12=4950

2500

HERRINGTON

2504 (+404)

KRIDER

2536 (+372)

2550

WINDFIRE

2592 (+386)

2600

30

DISPLACED MUD @ 3515'

3700

3700

50

3800

HEBNER 5M
3800 (-898)

50

LANSING
3855 (-947)

3900

START SAMPLES

SAMPLES ARE NOT GOOD
V-FN-NO VISABLE STONS

✓
✓
✓
✓

50

3900

START SAMPLES

SAMPLES ARE NOT GOOD
V-FN-NO VISABLE SHOWS

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

50

4006

50

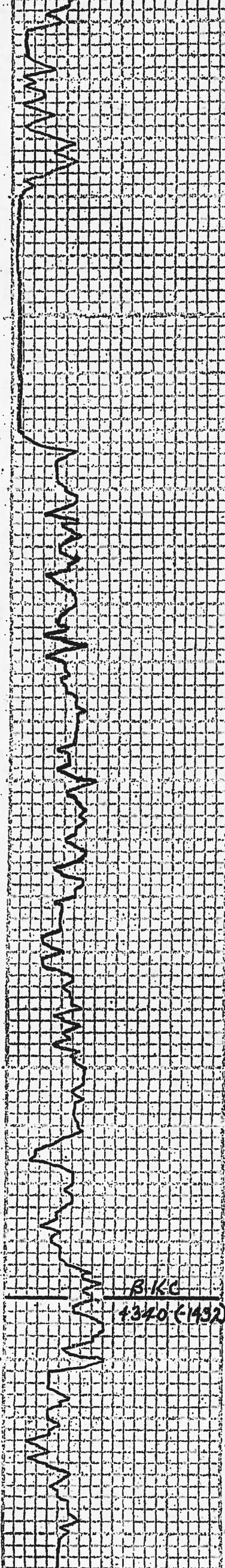
RIG DOWN

4100

50

LS, HHT, GRAV, LT, GRY, SING,
V-FN-NO VISABLE SHOWS
SUB CANLEY - NO SHOW

LS, HHT, GRAV, LT, GRY, SING,
V-FN-NO VISABLE SHOWS
SUB CANLEY - NO SHOW



50

LS, WHT GRN, LT GRN - SING
 P-ASSE - DEC TO 30M
 SUB CHALKY - NO SHOW

✓
 ✓
 ✓

LS, WHT GRN, LT GRN - SING
 P-ASSE - DEC TO 30M
 SUB CHALKY - NO SHOW

LS, WHT

LS, WHT

LS, WHT

LS, WHT

4200

SH, BLACK CARB

LS, WHT GRN - FSSG TO CHALKY
 NO SHOW

LS, WHT GRN - FSSG TO CHALKY
 NO SHOW

SH, BLACK CARB

SH, VAR - COLOR

SH, BLACK CARB

50

LS, WHT TO LT GRN - FSSG TO
 CHALKY - NO SHOW

MUD-CO/STEVICK MUD, INC

VIS: 58 WT: 9.3 WL: 8.8
 CHL: 2800 LCM: 34

SH, VAR - COLOR - FRED. BAN
 7 9 11

LS, WHT GRN - TAN - SING/MOTT
 P-ASSE - DEC TO 30M
 SUB CHALKY - NO SHOW

4300

LS, TAN - GRN - SING/MOTT
 P-ASSE - DEC TO 30M
 SUB CHALKY - NO SHOW

LS, WHT GRN - TAN - SING/MOTT
 P-ASSE - DEC TO 30M
 SUB CHALKY - NO SHOW

BIKC
 4340-61432

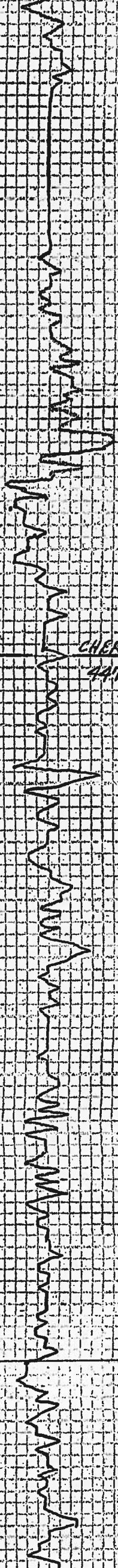
SH, BLACK CARB

50

SH, VAR - COLOR

SH, BLACK CARB

LS, GRN - TAN - SING/MOTT - V-TAN
 RIO - BLACKY - NO SHOW



4400

LS, GRAY-TAN-SING/MOTT-V-FN
 XEN-BLACK-NO SHOW

LS, WHY CRN TAN-FA-XEN F55L
 OBL IN PART-SUB-SHARK
 TO CHALKY W/ BPTN

SH, BLACK CARB

LS, CRN TAN LT GRAY-SING/MOTT
 CRYSTO-XEN-TO V-FN-XEN
 NO SHOW

SH, BLACK CARB

SH, BLACK CARB

LS, TAN-GRY-SING-V-FN-XEN
 NVF-NO SHOW

SH, BLACK CARB

LS, CRN-GRY-SING-V-FN-XEN
 V-ORSE-NO SHOW

CHEROKEE SA
 447B(1570)

SH, BLACK CARB

LS, WHY CRN GRY-SING-SGL-
 CRYSTO

SH, ROUNS-UNCL-SGLR

4500

LS, CRN TAN GRY-SING/SHT-MOTT
 VAN-XEN-SGL-GRY FRESH CRIST

SH, BLACK CARB

LS, GRY TAN SING-VAN-XEN-NO
 SHOW

SH, VARI-COLOR-PREOM-GRY

LS, LT GRY TO GRY-SING-CRYSTO
 TO V-FN-XEN

SH, GRYS-ARGIL

50

SH, BLACK CARB

LS, GRY-SING/MOTT-NV

LS, A7A

SH, BLACK CARB, DR GRAY-GRY

LS, LT GRY-TAN-SING-VAN-XEN
 DENSE NO SHOW

LS, A7A DENSE-OBL-NO SHOW

4600

SH, BLACK CARB TO VARI-COLOR

LS, TAN, LT GRY-SING-FA-XEN
 SGL-F55L V-TIR-NO SHOW

LS, GRY-CRN-SING-VIN-XEN-
 SUB-SHARK NO SHOW

SH, VARI-COLOR-ARGIL

LS, CRN-SING-FA-XEN-SGL-F55L
 SUB-SHARK-NO SHOW

SH, VARI-COLOR

2 4543 = 140 UNIT TOTAL GAS
 MUD-Co/SERVICE MUD, INC ✓
 @ 448'

VIS: 97 WT: 9.4 WL: 8.0
 CHL: 2800 LCM: 3"

PREPARING TO RUN BIT TRIP
 @ 8:05 AM - 5:31-12 - PULLED
 1 STAND - PULL 160,000 COULD
 NOT GET THIRD-TIGHT SPOT-CARB
 TO BUILD MUD - STILL NOT TIGHT
 TIGHT SPOT @ 1:00 PM - PULLED
 LOOSE @ 7:10 AM - 5:31-12 PM
 DRILL @ 2:53 - 6-2-12 PM

200 UNIT TOTAL GAS

MUD-Co/SERVICE MUD, INC
 VIS: 87 WT: 9.3 WL: 8.8
 CHL: 3000 LCM: 4"

AUTO-DRILL FLUID ADDED
GEOLOGRAPH STOPPED

LS, CRN. SING - FN - XLN - SLI - FSSC
SUB - CHERT - NO SHOW

SH, VARI-COLOR

LS, GRAY - SING - MICRO - XLN - TO
FRESH FSSC - CHERT NO SHOW

50

SH, BLACK, DK. GRAY, GRAY

MORROW SH
4668 (-1760)

SH, ROUND VARI-COLOR (TRC OF
BLACK CARB)

SH, A)A - POOR SAMPLES

SH, A)A - POOR SAMPLES

MORROW SO
4700 (-1792)

4700

SH, BLACK TO DK GRAY (N) CLEAR (N)
BLACK OIL STN. NO. 50 - NO FLUID
FT. CARB - POOR SAMPLES

SS, CLEAR FN TO MED. GRN - CONST
TO FRESH FSSC - NO. 50 - NO. 50
TRC OF 500. ADD. CARB - 1-541
OOL - CORE TO 01356 IN HAND
SYSTEM SCOTT TAPOR

4320 UNIT TOTAL GAS

MISSISSIPPIAN
4723 (-1815)

SH, GRAY-BLK - VARI-COLOR
TRC OF 35. A)A

279 UNIT TOTAL GAS

REN ON GEOLOGRAPH
NOT WORKING

LS, CRN. GRAY - FN - XLN - SLI - FSSC
NO. SHOW - ROUND - SH - GRYS

MUD-CD / SERVICE MUD. INC ✓
D 4760
VIS: 56 WT: 9.3 WC: 8.8
CML: 2500 - LCM: 2K

50

LS, GRAY - DENSE CRYPTO-XLN -
NO SHOW - A)A - GRAY SH.

WORK ON PUMP @ 4658 FOR 1HR

240 UNIT TOTAL GAS:

LS, A)A INCREASE IN FSSC
TO OOL

DOWN WORKING ON PUMP - 1HR.

SH, BLACK CARB TO VARI-COLOR
ARON.

LS, LIT. SING - FN - XLN - TO 2LN
FSSC - SLI - CHERT - ROUND
VARI-COLOR - SH - TRC OF
SPOTTY BLACK HEAD OIL
STN ON V. FEW PGS.
ROUND VARI-COLOR SHALE

180 UNIT TOTAL GAS

4800

210 UNIT TOTAL GAS

LS, LT. GRAY SUB-CHERT FSSC
SLI-CHERT - NO SHOW

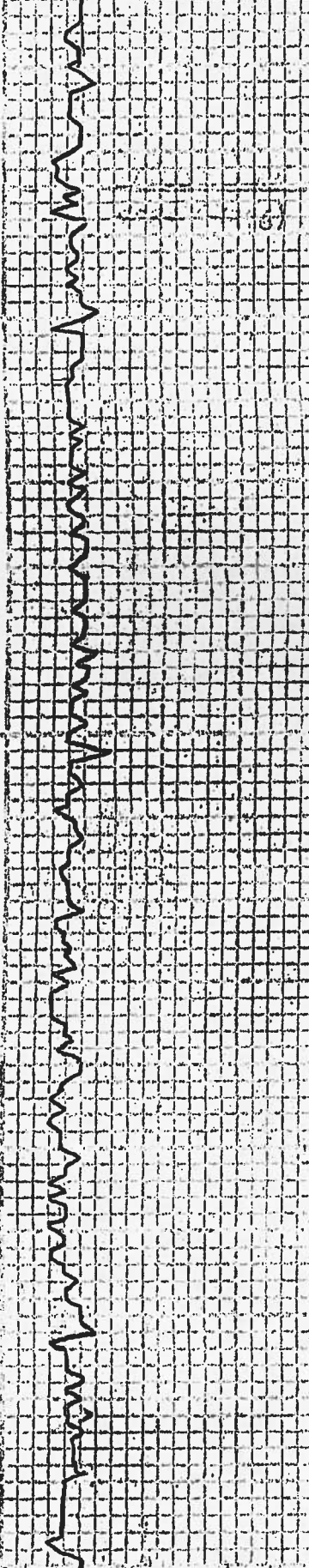
LS, A)A

50

LS, A)A - CRYPTO-XLN - TITE

4900

LS, A)A



4800

LS, A7A INCREASE IN P. 1332
TO 006

SH, BLACK CARB TO VARI-COLOR
AR. 046

LS, WHI-SING - IN-CLD TO 2LN
P. 334 - SHI-CHERTY - ABUND
VARI-COLOR SHALE - TR. OF
SPOTTY BLACK SAND OIL
STN ON V. FEW PGS.
ABUND VARI-COLOR SHALE

* 240 UNIT TOTAL GAS:
DOWN WORKING ON PUMP - 1HR.

180 UNIT TOTAL GAS

210 UNIT TOTAL GAS

LS, LT-GRY SUB-CHERTY P. 330
SHI-CHERTY - NO. 3100

LS, A7A

LS, A7A - CRYSTO-XIN-TITE

4900

LS, A7A

LS, CRM TO GRY - MOTT/SING
DENSE CRYSTO-XIN TO SHI
CHERTY SHI - P. 334 IN PART
NO SHOW

RTD REACHED @ 12:10 AM
02-06-04-12

RTD = 4950
LTD = 4971

LS, A7A