



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1217207
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1217207

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

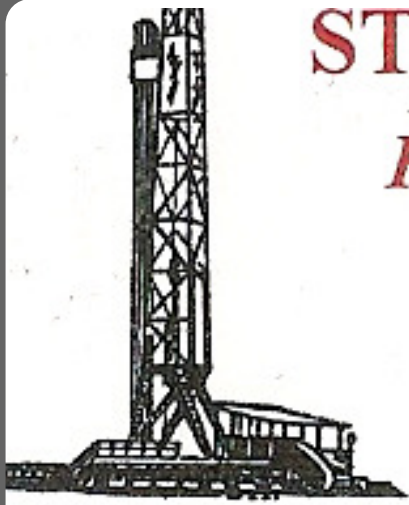
Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____	PRODUCTION INTERVAL: _____ _____
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STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)



Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Mader #1-12
API: 15-179-21362-00-00

Location: Sheridan County

License Number: 34344

Spud Date: 6/26/2014

Region: Kansas

Drilling Completed: 7/4/2014

Surface Coordinates: 990' FNL & 990' FEL (Approx. SW NE NE)
Section 12-T10S-R26W

Bottom Hole Coordinates: Same as above (Vertical well w/min deviation)

Ground Elevation (ft): 2544'

K.B. Elevation (ft): 2551'

Logged Interval (ft): 3600 To: TD

Total Depth (ft): LTD - 4096'

Formation: Topeka through BKC

Type of Drilling Fluid: Chemical

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Culbreath Oil & Gas, LLC
Address: 1532 S. Peoria Ave
Tulsa, OK 74120-6202

GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228) & Anthony Luna
Company: Consulting Petroleum Geologist
Address: 3365 CR 390
Otis, KS 67565

LogTops (Datum)

Open-hole logging was performed by Pioneer Log-Tech. The following are formation tops w/associated datums:

Anhydrite Top - 2171 (+380)
Anhydrite Base - 2206 (+345)
Topeka - 3552 (-1001)
Heebner - 3769 (-1218)
Toronto - 3789 (-1238)
Lansing - 3806 (-1255)
Muncie Creek - 3927 (-1376)
Stark - 3996 (-1445)
Base KC - 4035 (-1484)

DSTs

Drillstem testing was performed by Trilobite Testing (Hays shop):

DST #1 3768-3846 (Toronto, LKC "AB")

30:60:30:90

IF: BOB in 4min, no return

FF: BOB in 5min, no return

Recovery: 220' WM w/oil spots (10%W, 90%M), 880' MW (80%W, 20%M)

IHP: 1912 FHP: 1853

IFP: 136-458 ISIP: 589

FFP: 444-553 FSIP: 596

BHT - 122 F

Chlorides - 85,000 ppm

DST #2 3842-3870 (LKC "D")

30:60:30:90

IF: Built slowly to 1 1/2in, no return

FF: Built slowly to 3/4in, no return

Recovery: 30' MW (70%W, 30%M)

IHP: 1912 FHP: 1874

IFP: 18-34 ISIP: 606

FFP: 33-42 FSIP: 609

BHT - 117 F

Chlorides - 58,000

DST #3 3930-3980 (LKC "HI")

30:60:30:90

IF: BOB in 15 min, no return

FF: BOB in 22 min, no return

Recovery: 5' CO (100%O), 250' MW (65%W, 35%M)

IHP: 1985 FHP: 1926

IFP: 36-98 ISIP: 876

FFP: 91-142 FSIP: 877

BHT - 124 F

Chlorides - 70,000

DST #4 3976-4000 (LKC "J")

30:60:30:60

IF: Built to 7", no return

FF: Built to 4", no return

Recovery: 190' GIP, 60' OCM (35%O, 65%M)

IHP: 1972 FHP: 1940

IFP: 25-33 ISIP: 286

FFP: 39-45 FSIP: 208

BHT - 117 F

DST #5 3994-4096 (LKC "K")

30:30:30:30

IF: Built to 3", no return

FF: Built to 6 1/2", no return

Recovery: 30' MCO (55%O, 45%M), 40' OCM (15%O, 85%M)

IHP: 2041 FHP: 1979

IFP: 27-32 ISIP: 577

FFP: 34-41 FSIP: 598

BHT - 120 F

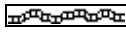
COMMENTS

Based on the results of DSTs and log & sample analysis, this well was determined to be non-commercial and should be plugged & abandoned.

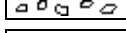
ROCK TYPES



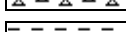
Anhy



Bent



Brec



Cht



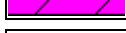
Clyst



Coal



Congl



Dol



Gyp



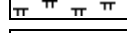
Igne



Lmst



Meta



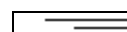
Mrlst



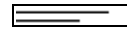
Salt



Shale



Shcol



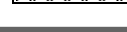
Shgy



Sltst



Ss



Till

OTHER SYMBOLS

OIL SHOW

- Even
- Spotted
- Ques



Dead



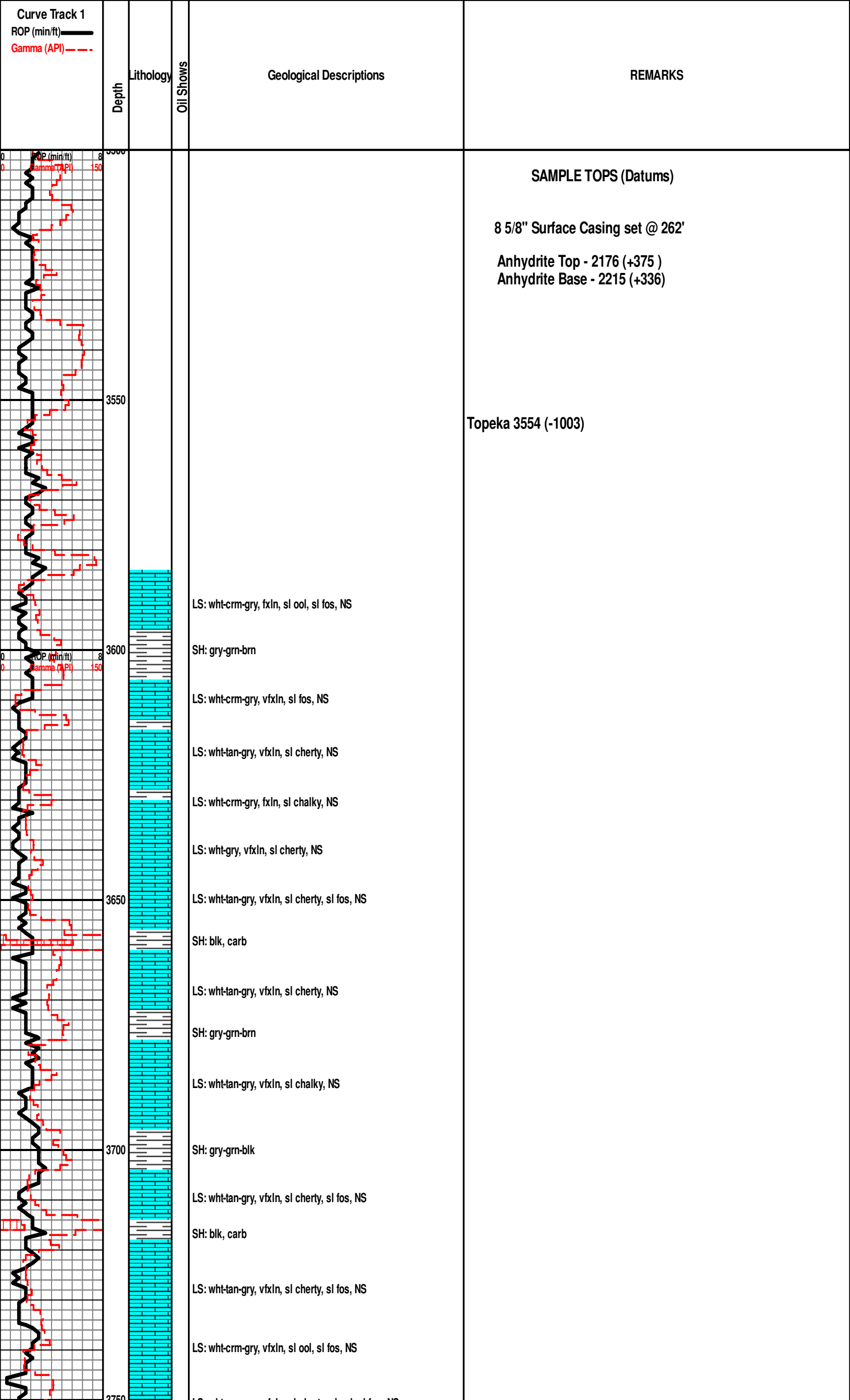
Gas

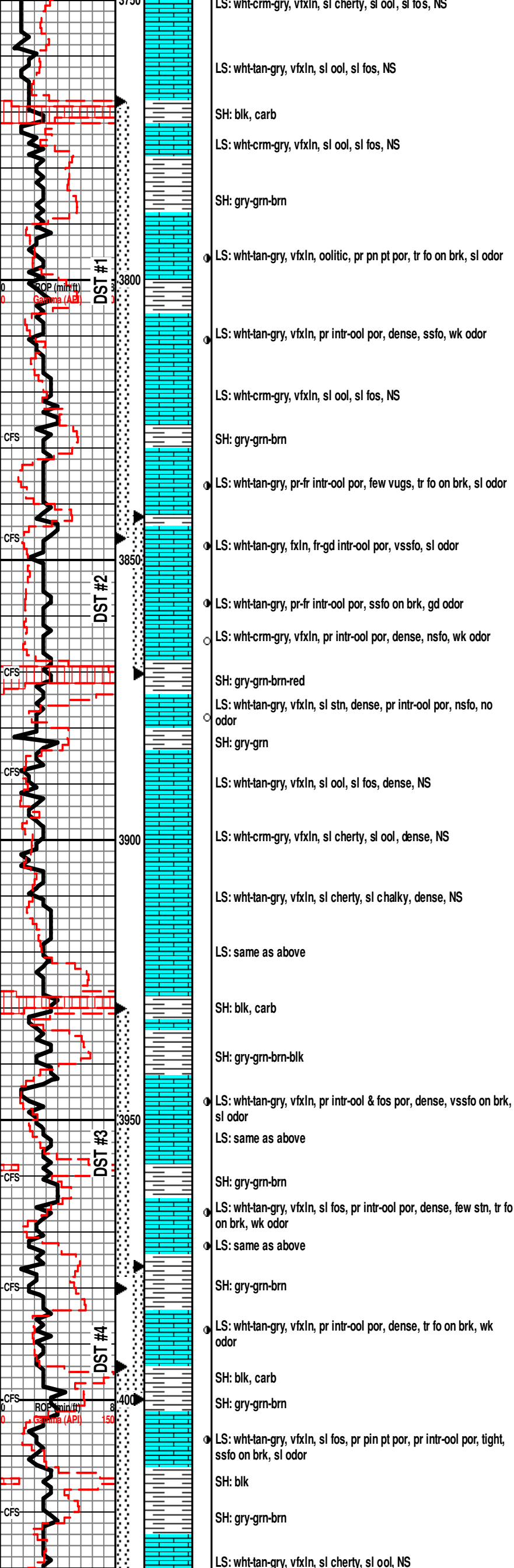
INTERVAL

- Core
- Dst

EVENT

- Conn
- Rft
- Sidewall





Heebner 3771 (-1220)

Toronto 3792 (-1241)

Lansing 3805 (-1254)

DST #1 3768-3846 (Toronto, LKC "AB")
 30:60:30:90
 IF: BOB in 4min, no return
 FF:BOB in 5min, no return
 Recovery: 220' WM w/oil spots (10%W, 90%M), 880' MW (80%W, 20%M)
 IHP: 1912 FHP: 1853
 IFP: 136-458 ISIP: 589
 FFP: 444-553 FSIP: 596
 BHT - 122 F
 Chlorides - 85,000 ppm

Survey @ 3846' - 3/4 degree

DST #2 3842-3870 (LKC "D")
 30:60:30:90
 IF: Built slowly to 1 1/2in, no return
 FF: Built slowly to 3/4in, no return
 Recovery: 30' MW (70% W, 30%M)
 IHP: 1912 FHP: 1874
 IFP: 18-34 ISIP: 606
 FFP: 33-42 FSIP: 609
 BHT - 117 F
 Chlorides - 58,000

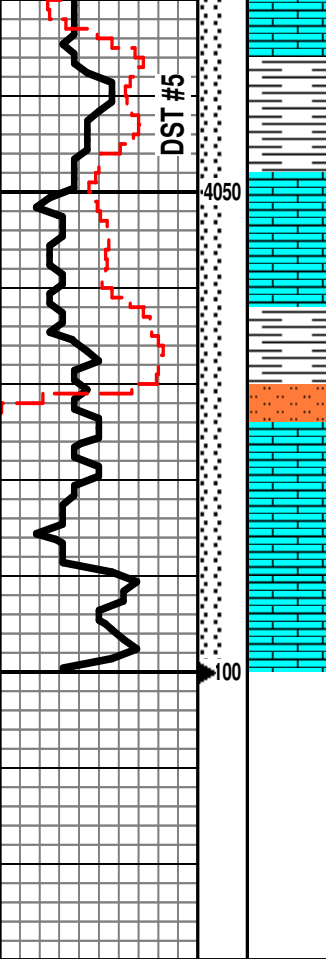
Muncie Creek 3931 (-1380)

DST #3 3930-3980 (LKC "HI")
 30:60:30:90
 IF: BOB in 15 min, no return
 FF: BOB in 22 min, no return
 Recovery: 5' CO (100%O), 250' MW (65%W, 35%M)
 IHP: 1985 FHP: 1926
 IFP: 36-98 ISIP: 876
 FFP: 91-142 FSIP: 877
 BHT - 124 F
 Chlorides - 70,000

Stark 4000 (-1449)

DST #4 3976-4000 (LKC "J")
 30:60:30:60
 IF: Built to 7", no return
 FF: Built to 4", no return
 Recovery: 190' GIP, 60' OCM (35%O, 65%M)
 IHP: 1972 FHP: 1940
 IFP: 25-33 ISIP: 286

FFP: 39-45 FSIP: 208
BHT - 117 F



SH: gry-grn-brn

SH: same as above

LS: wht-tan-gry, vfxln, sl ool, sl fos, wash red, NS

SH: gry-grn-brn

Sst: red, vfgd, fr-w std, sub-rd, friable, wash red, NS

LS: wht-tan-gry, vfxln, sl cherty, sl ool, NS

LS: same as above

LTD - 4096'

RTD - 4100'

BKC 4045 (-1494)

DST #5 3994-4100 (LKC "K")
30:30:30:30

IF: Built to 3", no return

FF: Built to 6 1/2", no return

Recovery: 30' MCO (55%O, 45%M), 40' OCM
(15%O, 85%M)

IHP: 2041

FHP: 1979

IFP: 27-32

ISIP: 577

FFP: 34-41

FSIP: 598

BHT - 120 F

Survey @ TD - 3/4 degree

Global Cementing LLC

18048 I-70 Road
Russell, KS 67665

Invoice

Date	Invoice #
6/26/2014	1371

Bill To
CULBREATH OIL & GAS CO INC 1532 S PEORIA AVE TULSA,OK 74120

P.O. No.	Terms	Project
MADER#1-12	Net 30	

Quantity	Description	Rate	Amount
225	COMMON	15.50	3,487.50
8	CALCIUM	53.00	424.00
5	GEL	23.50	117.50
238	HANDLING	2.10	499.80
	BULK MILEAGE	609.28	609.28
	TRI-PLEX PUMP CHARGE FOR SURFACE	1,050.00	1,050.00
64	PUMP TRUCK MILEAGE	6.50	416.00
64	PICKUP	2.50	160.00
DEDUCT 15% FROM TOTAL IF PAID WITHIN 30 DAYS OF INVOICE			

71730 (2)
Surface Cementing
6/14 Di

Thank you for your business.

Phone #	Fax #	E-mail
785-324-2658	785-445-3526	

Total

\$6,764.08

GLOBAL CEMENTING, L.L.C.

1371

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell 15

DATE <u>6-26-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Mader</u>	WELL #. <u>1-12</u>	LOCATION				COUNTY <u>Shedden Co</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR American Eagle Drilling
 TYPE OF JOB Surface
 HOLE SIZE 12 1/2 T.D. 266
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS _____
 DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 225K Com 3/8" 266' 11"

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

EQUIPMENT
 PUMP TRUCK CEMENTER Cody
 # HELPER _____
 BULK TRUCK DRIVER Brad
 # DRIVER _____
 BULK TRUCK DRIVER Payton
 # DRIVER _____

REMARKS:
Run side joint 3/8" casing + landing joint
egg circulating using the 225Ks and displace
15.6 bbls of #20
shut in at 200 psi
Cement Did Circulate

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

Global Cementing, L.L.C.,
 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 Bradford P. ...

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 38x2 @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 TOTAL _____

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

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

Global Cementing LLC

18048 I-70 Road
Russell, KS 67665

Invoice

Date	Invoice #
7/5/2014	1387

Bill To
CULBREATH OIL & GAS CO INC 1532 S PEORIA AVE TULSA,OK 74120

P.O. No.	Terms	Project
MADER#1-12	Net 30	

Quantity	Description	Rate	Amount
144	COMMON	15.50	2,232.00
96	POZ	8.50	816.00
9	GEL	23.50	211.50
45	FLO-SEAL	2.00	90.00
249	HANDLING	2.10	522.90
	BULK MILEAGE	637.44	637.44
1	TRI-PLEX PUMP CHARGE FOR PLUG	1,200.00	1,200.00
64	PUMP TRUCK MILEAGE	6.50	416.00
64	PICKUP	2.50	160.00
1	8 5/8 WOOD PLUG	57.50	57.50
DEDUCT 15% FROM TOTAL IF PAID WITHIN 30 DAYS OF INVOICE			

Thank you for your business.

Phone #	Fax #	E-mail
785-324-2658	785-445-3526	

Total

\$6,343.34

GLOBAL CEMENTING, L.L.C.

1387

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell KS

DATE <u>7-5</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>5:30am</u>
LEASE <u>Merider</u>	WELL #. <u>1-12</u>	LOCATION			COUNTY <u>Sheldahl</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR American Eagle Drilling

TYPE OF JOB Plug

HOLE SIZE 7 1/2" T.D. 4100

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 2 40 sacks + 100 60/40 4%
501 1/2 Flow

EQUIPMENT

PUMP TRUCK CEMENTER Cody

01 HELPER Brad

BULK TRUCK

B3 DRIVER Erick

BULK TRUCK

DRIVER

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

1st Plug 2200ft 50sks

2 Plug 1270ft 100sks

3 Plug 345ft 50sks

Center 70ft 10sks

Rt 30sks

CHARGE TO: Cybreath

STREET _____

CITY _____ STATE _____ ZIP _____

Global Cementing, L.L.C.,
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 Derby Keever

SIGNATURE Derby Keever

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE 32x2 @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

8 5/8 dry hole Plug @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS