



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1194115
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: _____

1194115

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

Company: La Veta Oil and Gas LLC.
 Address: 312 N. Buffalo
 Stafford, KS 67578

Contact Geologist: Bruce Reed
 Contact Phone Nbr: 316-617-3959
 Well Name: #3 Gatton
 Location: Section 29-22S-11W
 Pool:
 State: Kansas

API: 15-185-23862
 Field: Richardson Field
 Country: USA

Scale 1:240 Imperial

Well Name: #3 Gatton
 Surface Location: Section 29-22S-11W
 Bottom Location:
 API: 15-185-23862
 License Number: 32432
 Spud Date: 3/5/2014 Time: 12:00 PM
 Region:
 Drilling Completed: 3/11/2014 Time: 12:00 PM
 Surface Coordinates: 2575 FNL & 1365 FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1825.00ft
 K.B. Elevation: 1830.00ft
 Logged Interval: 2700.00ft To: 3671.00ft
 Total Depth: 3675.00ft
 Formation:
 Drilling Fluid Type: Chemical

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: NA Latitude: NA
 N/S Co-ord: 2575 FNL
 E/W Co-ord: 1365 FWL

LOGGED BY

Company: TerraTech Energy Service, LLC.
 Address: 1632 S. West St Suite 12
 Wichita, KS 67213

Phone Nbr: 316-264-6066
 Logged By: Geologist

Name: Bruce Reed

CONTRACTOR

Contractor: Petromark
 Rig #: 2
 Rig Type: mud rotary
 Spud Date: 3/5/2014 Time: 12:00 PM
 TD Date: 3/11/2014 Time: 12:00 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1830.00ft
K.B. to Ground: 5.00ft

Ground Elevation: 1825.00ft

NOTES

Surface Casing: 8-5/8" at 205' with 275 sacks

Deviation survey: 3/4 degree at 3567'

Pipe strap: 0.47' short to the board

DST: 3 - Trilobite

Daily Penetration:	3/05/14	SPUD
	3/06/14	210'
	3/07/14	1730'
	3/08/14	2760'
	3/09/14	3385'
	3/10/14	3567'
	3/11/14	3675'

Drill Stem Test #1 3561'-3567' (Arbuckle)
Recovered: 55' Gas, 25' OCM (19% oil, 81% mud)
IFP: 30" 29-30 psi, ISIP: 45" 1025 psi, FFP: 30" 31-33 psi, FSIP: 45" 932 psi

Drill Stem Test #2 3567'-3575' (Arbuckle)
Recovered: 495' Gas, 80' CGO and 25' GMCO (36% gas, 33% oil, 31% mud)
IFP: 30" 34-44 psi, ISIP: 45" 180 psi, FFP: 45" 23-43 psi, FSIP: 60" 93 psi

Drill Stem Test #3 3578'-3610' (Arbuckle/Straddle)
Recovered: 220' Gas, 1,125' GOCMW (15% gas, 15% oil, 60% water, 10% mud) and 580' FW
IFP: 15" 375-519 psi, ISIP: 30" 996 psi, FFP: 15" 588-726 psi, FSIP: 30" 995 psi

Formation	Log Top	Datum	Sample Top	Datum	Comparison*
Heebner Shale	3081'	-1251	3084'	-1254	+2
Toronto	3100'	-1270	3101'	-1271	+1
Brown Lime	3218'	-1388	3221'	-1391	+2
Lansing	3244'	-1414	3248'	-1418	+3
Base Kansas City	3491'	-1661	3495'	-1665	+3
Simpson	3529'	-1699	3533'	-1703	+2
Arbuckle	3558'	-1728	3559'	-1729	-5

*Reference Well: La Veta Oil and Gas, #9 P. Spangenberg, 2190' FSL/1770' FWL,
Section 29-22S-11W, Stafford Co. Kansas

ROCK TYPES

 Dolprim	 shale, gry	 Ss
 Lmst fw7>	 Carbon Sh	

OTHER SYMBOLS

INTERVALS

■ Core
· DST

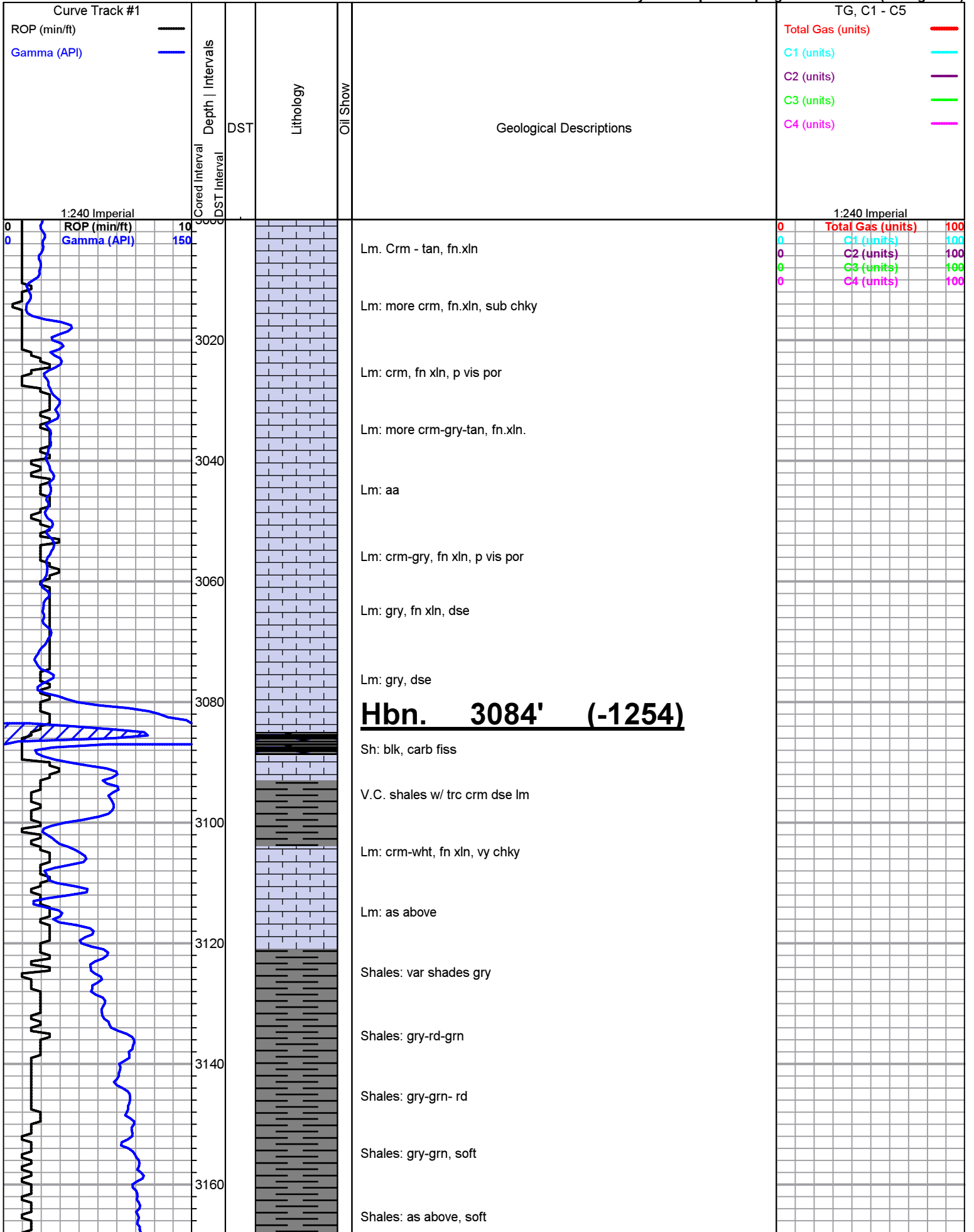
Oil Show

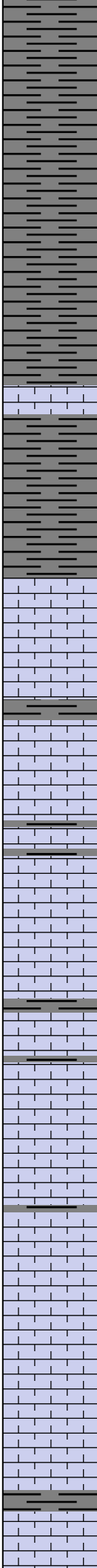
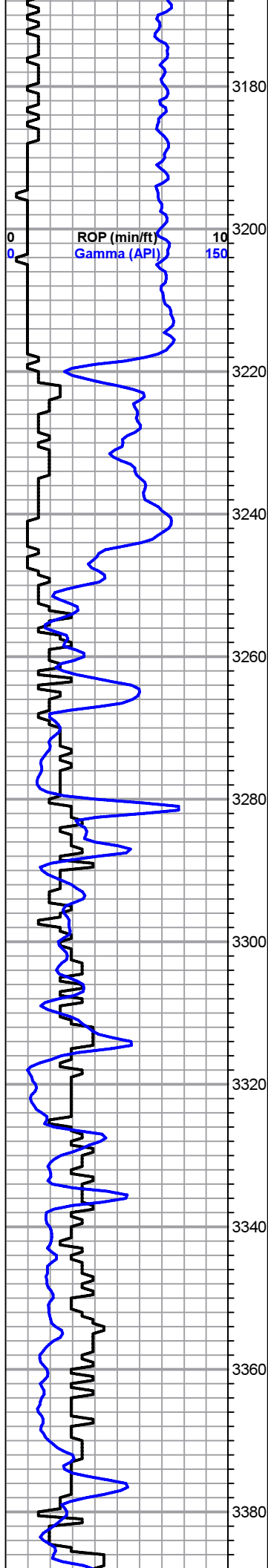
● Good Show
● Fair Show
● Poor Show
○ Spotted or Trace

DST

■ DST Int
■ DST alt
■ Core
|| tail pipe

- Questionable Stn
- ◻ Dead Oil Stn
- Fluorescence
- * Gas





Shales: as above, soft

Shales: mostly gry, soft

Shale: gry

Shale: gry

B. Lm. 3221' (-1391)

Lm: tan-brn, fn xln, p-no vis por, dse

Shales: varicolored, soft

L/KC 3248' (-1418)

Lm: crm-tan-lgt gry, fn xln, vy sli fsl, trc chky, n.s.

Lm: crm-lgt tan-gry, fn-sli md xln, trc sctd fsl, p vis por, n.s.

Lm: more crm-lgt gry, fn xln, some fsl, p vis por, n.s., trc chky

Lm: crm-wht-brn, dse

Lm: crm-wht-lgt tan-gry, fn to sli md xln, p vis por, trc chky, n.s.

Lm: gry-tan-wht, fn xln, rare vis por, some chky, odor in fresh spl, n.s.f.o

Lm: gry-lgt-tan, fn xln, trc oolit, p vis por, trc cht, sli odor, n.s.f.o.

Lm: crm-wht-lgt tan, dse, n.s.

Lm: tan-gry, fn to micro xln, p-no vis por, vy dse, n.s.

Lm: Crm-tan-wht-lgt gry, f. xln, dse, lots rd, gry sh, n.s

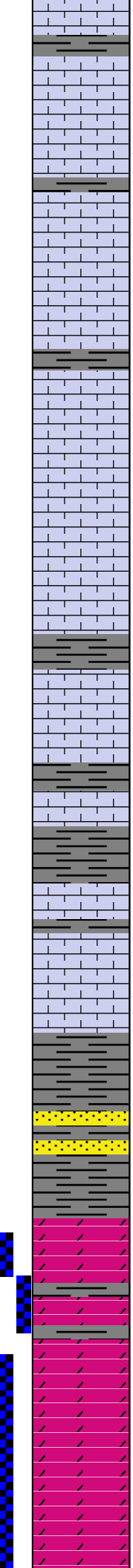
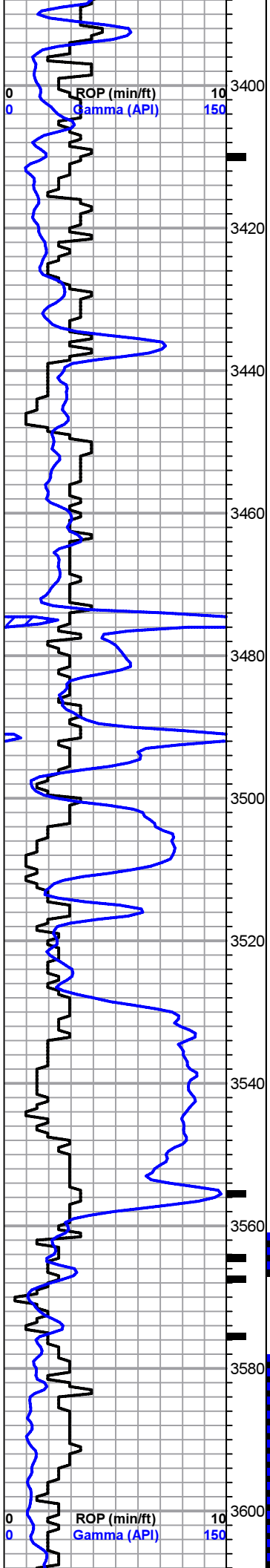
Lm: crm-wht dse, sub cherty

Lm: gry-tan, mostly fn xln, trc fsl (oolitic), fnt odor in fresh spl, 1 pc s.s.f.o.

Lm: aa

Lm: crm-wht-lgt gry, fn xln, sli fsl, p vis por, sub chky, n.s.

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Circ. 24 3410' Lm: bf-crm-tan, fn. xln., few pcs poorly dev, oolite to oolitic, p vis por, sub chky, fnt odor in fresh, v.s.s.f.o

Lm: Crm-igt tan-gry, fn. xln., oolitic, p vis por, vy fnt odor w/ v.s.s.f.o.

Lm: crm-tan, fn xln, trc oolic, p-fr por, inter oolic, sub chky, 3 pcs w/ v.s.s.f.o ? odor

Lm: tan-crm-brn, dse

Lm: crm-wht, fn. xln., sctd pp, vug por, vy chky, n.s.

Chky wht lm

Lm: gry-crm, f-md xln, dse

Lm: aa

Abdt gry-dk gry-blk-rd shale

Lm: crm-wht, f xln, sli fsl, sctd blk-dk gry shale

Abdt rd-gry platey shl.

Shale aa w/ some dse, brn-tan lm.

Lm: crm-wht, fn xln, dse

Trc. pale grn-rd-gry shale, some turq blue sticky shale

Circ at 3555' Shl: pale grn-blue, odor in fresh, 2 sst clusters, md grnd, sub-rd, mod fri, w/ s.s.f.o.

Arb. 3559' (-1729)

Circ at 3564' Dolo: tan, f-md xln, p-fr vis por, suc, good strong odor in fresh w/ s.f.o

Circ at 3567' Dolo: bf, crm-tan, fn-sli md xln, suc, Looks tite, some pp vug por, good strong odor w/ s.f.o., some sctd unif md brn stn

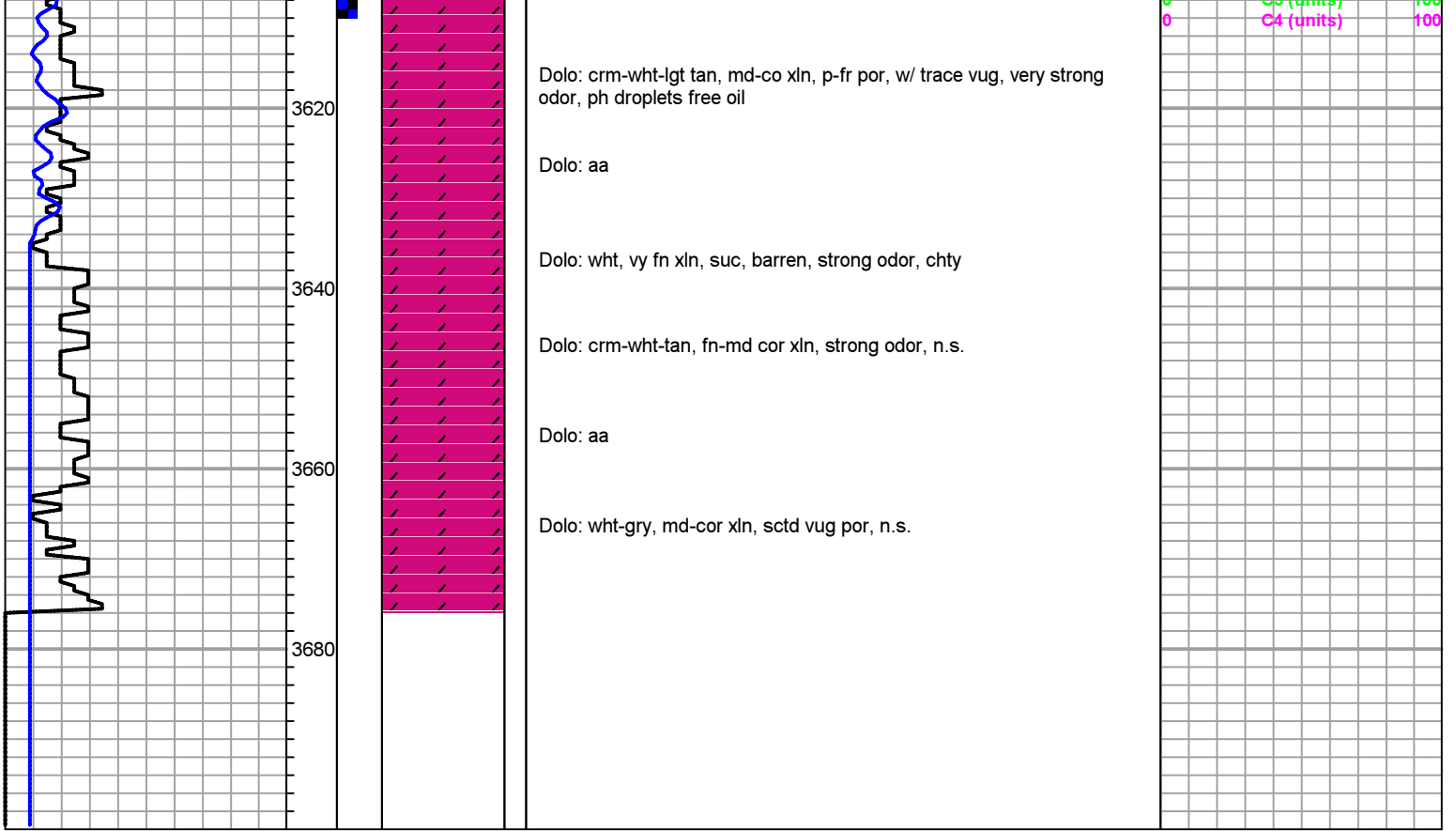
Circ at 3575' Dolo: crm-tan, more md xln, w/ f-gd vug por, suc in part, very strong odor w/ f.s.f.o and gb

Dolo: crm-tan-gry, fn-sli md xln, suc nature, very strong odor, s..f.o. and gb

Dolo: crm-wht, more md-co xln, fair-gd inter xln por, very strong odor w/ s.f.o.

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100



ALLIED OIL & GAS SERVICES, LLC 062704

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
great Bend

DATE <u>3-5-14</u>	SEC. <u>29</u>	TWP. <u>22</u>	RANGE <u>11</u>	CALLED OUT <u>7:30 am</u>	ON LOCATION <u>10:30 am</u>	JOB START <u>11:00 am</u>	JOB FINISH <u>12:00 am</u>
LEASE <u>gallon</u>	WELL# <u>3</u>	LOCATION <u>Hudson east part B/K top</u>		COUNTY <u>Stafford</u>	STATE <u>Ka</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>3 N after second chase</u>			

CONTRACTOR petermach #2
 TYPE OF JOB surface
 HOLE SIZE 12 1/2 T.D. 210
 CASING SIZE 8 3/8 2 1/4 DEPTH 210
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15 ft
 PERFS. _____
 DISPLACEMENT H2O 12.42 BBL
 EQUIPMENT _____
 PUMP TRUCK # 398 CEMENTER Charles King
 HELPER Mike Northon
 BULK TRUCK # 609-239 DRIVER Josh Ellis
 BULK TRUCK # _____ DRIVER _____

OWNER same
 CEMENT AMOUNT ORDERED H2O 275 plus class
1 31-cc 21-gal
 COMMON 275 @ 17.90 4,922.50
 POZMIX @ _____
 GEL 5 @ 23.40 117.00
 CHLORIDE 775 @ .80 620.00
 ASC @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 HANDLING 297.36 @ 2.48 737.45
 MILEAGE 13.57 x 20 x @ 2.60 705.62
 TOTAL 7,102.52

REMARKS:
Rig Ran 210' 8 3/8 casing Breaks circulation
w/ Rig Mud Hook to wedge
5 BBL H2O ahead mix 275-cc class
1 31-cc 21-gal displaces 12.42 BBL
H2O cement and circulate
short class

SERVICE
 DEPTH OF JOB 210
 PUMP TRUCK CHARGE 1512.35
 EXTRA FOOTAGE @ _____
 MILEAGE Hum 20 @ 7.70 154.00
 MANIFOLD @ _____
Hum 20 @ 4.40 88.00
 @ _____
 TOTAL 1,754.35

CHARGE TO: Laveta oil & gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

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

Thank you!
 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.

PRINTED NAME X Andrew Taylor
 SIGNATURE X Andrew Taylor

SALES TAX (if Any) _____
 TOTAL CHARGES 8,856.87
 DISCOUNT 1,771.37 IF PAID IN 30 DAYS
7,085.50

ALLIED OIL & GAS SERVICES, LLC 062690

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Great Bend, KS

DATE <u>3-11-14</u>	SEC. <u>29</u>	TWP. <u>22S</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 AM</u>	JOB FINISH <u>2:30 PM</u>
LEASE <u>GOTTON</u>	WELL # <u>3</u>	LOCATION <u>Hudson Era dead End 1/2W</u>			COUNTY <u>Stafford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			to 2nd Quad 1/2 E Minor				

CONTRACTOR PermaMark #2
 TYPE OF JOB Rotary Plug
 HOLE SIZE _____ T.D. _____
 CASING SIZE 8 7/8 DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 3600
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 11
 PERFS. _____
 DISPLACEMENT Freshwater Lignite Mud

OWNER _____
 CEMENT AMOUNT ORDERED 200 SKS 60Y CLASS A
404702 4 1/2 gel 4 1/2
 COMMON 120 @ 17.90 2,148.00
 POZMIX 80 @ 9.85 788.00
 GEL 7 @ 23.40 163.80
 CHLORIDE @ _____
 ASC @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 211.46 @ 2.48 524.82
 MILEAGE 8.95 X 20 X 2.60 465.80
 TOTAL 4,080.11

EQUIPMENT _____
 PUMP TRUCK CEMENTER Wesley Chambers
 # 366 HELPER Brandon King, Josh Ellis
 BULK TRUCK _____
 # 487-112 DRIVER Brian King
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:
Fill hole with plug mud
1. 3600-5050S
2. 600-5050S
3. 310-5050S
4. 60-2051S
5. RM-305ES
plug Pump 9:00 PM
Plug Pump

CHARGE TO: Lovet a Oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

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.

PRINTED NAME X Shiloh Rocel
 SIGNATURE X M M
Thank you!!

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE 2600.82
 EXTRA FOOTAGE @ _____
 MILEAGE Nvm 20 @ 7.70 154.00
 MANIFOLD @ _____
LUM 20 @ 4.40 88.00
 @ _____

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

SALES TAX (If Any) _____
 TOTAL CHARGES 6,892.58
1,378.82
 DISCOUNT _____ IF PAID IN 30 DAYS
5,514.86

TOTAL 2,842.47