

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1245693
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: _____

1245693

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> _____	PRODUCTION INTERVAL: _____ _____
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#1 Glenn 34D

365' FSL & 775' FEL

35' N & 115' W of S/2 SE SE Section 34-17S-30W

Lane County, Kansas

API# 15-101-22550-0000

Elevation: 2854' GL, 2859' KB

Sample Tops			Ref. Well
Anhydrite	2213'	+646	-2
B/Anhydrite	2236'	+623	+1
Stotler	3504'	-645	Flat
Heebner	3885'	-1026	+3
Toronto	3911'	-1052	+3
Lansing	3928'	-1069	+1
Muncie Shale	4098'	-1239	-2
Stark Shale	4197'	-1338	-1
Hush	4230'	-1371	+2
Middle Creek	4232'	-1373	+3
BKC	4280'	-1421	+1
Marmaton	4312'	-1453	+3
Altamont	4330'	-1471	+1
Pawnee	4400'	-1541	+2
Myrick	4434'	-1575	Flat
Fort Scott	4449'	-1590	+2
Cherokee Shale	4470'	-1611	+2
Johnson	4514'	-1650	+5
Mississippian	4540'	-1681	+1
RTD	4650'	-1791	



CONSOLIDATED
Oil Well Services, LLC

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

1607
1558
Invoice #802746
FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 47844
LOCATION Oakley Kc.
FOREMAN Cory Davis
Jerry V.

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/19/14	7173	Glenn 340 #1	34	17	30	Lane
CUSTOMER Ritchie			Healthy Ws. Son Dodge 5 1/2 miles W into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			399	Jeremy R.		
STATE				Larry H.		
ZIP CODE			Helper	Josw		

JOB TYPE Port collar HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH 2139' DRILL PIPE _____ TUBING 2 7/8 OTHER P.C. at 2139'
 SLURRY WEIGHT 12 S SLURRY VOL 1.59 WATER gal/ek 8 CEMENT LEFT in CASING 1
 DISPLACEMENT 11 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting rig up on K&M W.S. test casing to 1200 Psi open port collar tool @ 2139'
 Mix 275 sks 60/40 poz mix 6% gel 1/4" Floseal 500# Cottonseed Hulls - Displace 11 BBL water.
 shut tool wash up pump and lines test tool to 1200 Psi. ran 5 joints in circulate 30 BBL
 water wash up tubing rig down

Thankr Cory Davis & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 B	1	PUMP CHARGE	1785.00	1785.00
5406	100	MILEAGE	5.25	525.00
5407A	11.83	Ton Mileage Delivery	1.75	2,070.25
1131	275 sks	60/40 Poz mix	15.86	4,361.50
1118 B	1'419 #	Bentonite (gel)	.27	383.13
1107	69	Floseal	2.97	204.93
1105	500 #	Cottonseed Hulls.	.58	290.00
			sub total	9,619.81
			10% less	961.98
			sub total	8,657.82
			SALES TAX	337.12
			ESTIMATED TOTAL	8995.01

Revin 3737

AUTHORIZATION [Signature] TITLE [Signature] 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

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

1553

1502

Invoice # 802703

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 47842
LOCATION Dakley, KS.
FOREMAN Cory Davis
Jerry V.

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/14/11	7173	Glenn 340 #1	34	17	30	Lane
CUSTOMER Ritchie E.			scott city E to rd Dodger rd 4 North west into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Jerry R.	460	Larry H.
STATE						
ZIP CODE						

JOB TYPE Production HOLE SIZE 7 7/8 HOLE DEPTH 4646 CASING SIZE & WEIGHT 5 1/2 15.5
CASING DEPTH 4645 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 4.2 SLURRY VOL 1.42 WATER gal/sk 6.97 CEMENT LEFT in CASING 21.3
DISPLACEMENT 110 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - rig upon w w - run casing and flate equipment turbolizer on Joint 1, 2, 3, 5, 7, 11, 55, 57 and 67 Basket on 8, 56 and 67 shoe seat 21.31
Port collar at 2153 Joint 56 - Circulate 1 hour with rig pump - Hook up to pump truck pump 5 BBL ahead Mix Mud flush 5 BBL water Behind - Mix 30 rls in rat hole thin 175 sls o.w. 5# Kalseal col 26 CAF 38 Down hole - wash-up pump and lines - release plug - Dis place 110 BBL water - Ball went through at 400 PSI
Rig down
Lift 1,000 PSI
Land 1,500 PSI

Thanks Cory Davis & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 C	1	PUMP CHARGE	3,175.00	3,175.00
5406	50	MILEAGE	5.25	262.50
5407A	11.38	Ton Mileage Delivery	1.75	995.75
1126	205	OWC	23.70	4,858.50
1110A	1,025	Kalseal	.56	574.00
1137	51	COI 26	10.20	520.20
1146	29	CAF-38	10.20	295.80
1144G	500 gal	DV 1100 (Mud flush)	1.00	500.00
159	1	Float shoe 5 1/2	433.75	433.75
4454	1	Latch down & Plug 5 1/2	567.00	567.00
4136	9	5 1/2 Turbolizer	75.75	681.75
4104	3	5 1/2 Basket	290.00	870.00
4285	1	Port collar	2,178.75	2,178.75
		subtotal		15,913.00
		10% less		1,591.30
		subtotal		14,321.70
		SALES TAX		710.81
		ESTIMATED TOTAL		15,032.53

Ravin 9737

AUTHORIZATION Gay R... 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.

WellSight Systems

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

Measured Depth Log

Well Name: #1 GLENN 34D
Location: sec 34 - twp 17S - rge 30W LANE COUNTY
License Number: API #15-101-22,550
Spud Date: 02 DEC 2014
Drilling Completed: 14 DEC 2014
Surface Coordinates: 365° FSL & 775° FEL
Bottom Hole Deviation: 11° W of C 52 - SE - SE @ 217, 0.75 degree @ 4,000, 0.75 degree @ 4,250, 1" @ 4,650
Ground Elevation (ft): 2,854 K.B. Elevation (ft): 2,859
Logged Interval (ft): 3,400 To: 4,650 Total Depth (ft): 4,650
Formation: ADMIRE to MISSISSIPPIAN
Type of Drilling Fluid: CHEMICAL @ 150GPM @ 3,367

OPERATOR

Company: Ritchie Exploration, Inc. KLN 4767
Address: P.O. Box 783188
Wichita, Kansas 67278-3188

GEOLOGIST

Name: Ted Jochems, Jr.
Company: Nabors Consulting Geologist
Address: 212 North Market ste 517
Wichita, Kansas 67202

CONTACTORS

CONTACTOR: W W Drilling, fig #18 (toolpusher Sid Duentscher)
MUD: Mud-Co (Reid Atkins)
DRILL STEM TESTS: Triolite Testing (Justin Harris)
ELECTRIC LOGS: Nabors Services (Ian Mabb)
(DLL & C)
SURFACE CASING: 5" @ 1225'
PRODUCTION CASING: 5" to Mississippian

DAILY PENETRATION table with columns: DATE, DEPTH, SPUD. Rows from 02 DEC 2014 to 14 DEC 2014.

DRILL STEM TEST #1
3.965 - 4.000 30 - 45 - 45 - 60 LKC D zone
IFF: weak surface blow built to 2.5" / 30 min
ISIP: no return
FFP: weak surface blow
FSIP: no return
COMMENT: 120' of drill collars above tool
REC: 157 OCM (10% O, 35% M) (drill collars)
126' OCM (95% W, 5% M) (drill collars)
134' total fluid
FP: 14 - 44# / 45 - 73#
HP: 1,034 - 1,022#
BHT: 122 degrees F
COMMENT: shut-in curves indicate excellent permeability.

DRILL STEM TEST #2
3.999 - 4.030 30 - 45 - 45 - 60 LKC E & F zones
IFF: weak surface blow built to 2" / 30 min
ISIP: no return
FFP: weak surface blow
FSIP: no return
COMMENT: 120' of drill collar above tool
REC: 157 OCM (10% O, 35% M) (drill collars)
126' OCM (95% W, 5% M) (drill collars)
134' total fluid
GRAVITY: 28 degrees API
HP: 1,238 / 40 - 68#
BHT: 122 degrees F
COMMENT: shut-in curves indicate good to very good permeability.

DRILL STEM TEST #3
4.030 - 4.045 base LKC F & top LKC G zones (both with shows of oil)
IFF: BOB / 5 min
ISIP: no return
FFP: BOB / 6 min
FSIP: no return
COMMENT: 120' of drill collars above tool
REC: 157 OCM (10% O, 35% M) (drill collars)
504' OCM (97% W, 3% M) (drill collars)
252' OCM (95% W, 5% M) (drill collars)
126' OCM (85% W, 15% M) (drill collars)
902' total fluid
Rw: 0.23 ohms @ 30 degrees F
CHLORIDES: 40,000 ppm recovery (2,800 ppm system)
FP: 34 - 267# / 213 - 432#
HP: 1,940 - 1,916#
BHT: 123 degrees F
COMMENT: shut-in curves indicate excellent permeability.

DRILL STEM TEST #4
4.136 - 4.164 base LKC F & top LKC G zones (both with shows of oil)
IFF: BOB / 5 min
ISIP: no return
FFP: BOB / 5 min
FSIP: no return
COMMENT: 120' of drill collars above tool
REC: 189' OCM (90% O, 10% M) (drill collars)
126' OCM (90% W, 10% M) (drill collars)
335' total fluid
Rw: 0.30 ohms @ 38 degrees F
CHLORIDES: 40,000 ppm recovery (2,700 ppm system)
FP: 17 - 101# / 84 - 174#
HP: 2,006 - 1,925#
BHT: 122 degrees F
COMMENT: shut-in curves indicate good permeability

DRILL STEM TEST #5
4.226 - 4.250 base LKC F & top LKC G zones (both with shows of oil)
IFF: BOB / 2 min
ISIP: weak surface blow
FFP: BOB / 5 min
FSIP: weak surface blow
COMMENT: 120' of drill collars above tool
REC: 120' OCM (10% O, 35% M) (drill collars)
378' OCM (90% W, 10% M) (drill collars)
504' OCM (97% W, 3% M) (drill pipe)
126' OCM (95% W, 5% M) (drill pipe)
316' GIP
1,144' total fluid
GRAVITY: 31 degrees API
Rw: 0.25 ohms @ 37 degrees F
CHLORIDES: 50,000 ppm recovery (2,700 ppm system)
FP: 66 - 407# / 422 - 593#
HP: 2,061 - 1,962#
BHT: 122 degrees F
COMMENT: shut-in curves indicate excellent permeability.

DRILL STEM TEST #6
4.277 - 4.298 30 - 30 - 45 - 60 PLEASANTON
IFF: weak surface blow died
ISIP: no return
FFP: no blow - flush tool @ 5 min: packer re-established
seat, got blow to BOB. blow decreased to 6" / 45 min
FSIP: no return
COMMENT: 120' of drill collars above tool
REC: 199' SOCM (2% O, 98% M) (drill pipe)
126' DM w/ oil spots (100% M) (drill collars)
325' total fluid
FP: 12 - 19# / 16 - 171#
HP: 685 - 704#
BHT: 113 degrees F
COMMENT: shut-in curves indicate poor to fair permeability during initial shut-in, somewhat better during final shut-in.

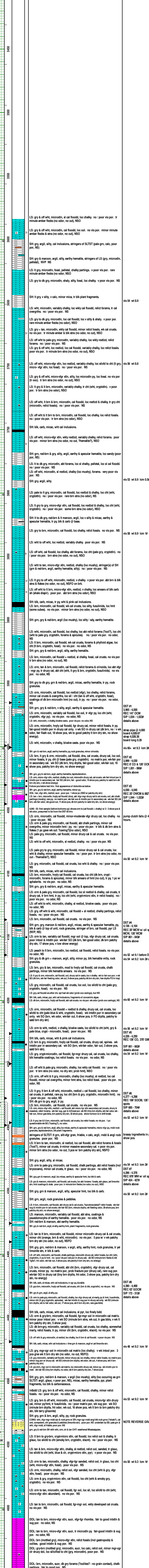
DRILL STEM TEST #7
4.296 - 4.376 30 - 45 - 30 - 45 MARMATON to ALTAMONT B'
IFF: BOB / 2.5 min
ISIP: no return
FFP: weak surface blow built to 5"
FSIP: no return
COMMENT: 120' of drill collars above tool
REC: 220' MCW (60% W, 50% M) (drill pipe)
315' MCW (60% W, 40% M) (drill pipe)
126' MCW (90% W, 10% M) (drill pipe)
oil spots in top 100' total fluid
Rw: 0.21 ohms @ 47 degrees F
CHLORIDES: 50,000 ppm recovery (3,800 ppm system)
FP: 75 - 39# / 406 - 424#
HP: 2,090 - 2,010#
BHT: 122 degrees F
COMMENT: initial shut-in curve indicates poor to fair permeability.

DRILL STEM TEST #8
4.390 - 4.469 30 - 45 - 45 - 60 PAWNEE - MYRICK STATION - FORT SCOTT
IFF: weak surface blow built to 3.5" / 45 min
ISIP: no return
FFP: weak surface blow built to 2.5" / 30 min
FSIP: no return
COMMENT: 120' of drill collars above tool
REC: 63' GOCM (10% O, 70% M) (drill collars)
63' total fluid
FP: 15 - 28# / 39 - 37#
HP: 1,72 - 312#
BHT: 115 degrees F
COMMENT: shut-in curves are concave and indicate extremely poor permeability.

MUD REPORT table with columns: depth @ 3,367, RPT DEPTH, WT, VIL, pH, VP, VY, CHLOR, SOLIDS, BTMS UP. Rows from 2,614 to 4,625.

ROCK TYPES legend with color-coded boxes for Anhy, Bent, Brec, Cht, Cht, Cht, Cht, Coal, Congl, Dol, Gyp, Igne, Lmst, Meta, Mst, Salt, Shcol, Shoy, Siltst, Ss, Till.

OTHER SYMBOLS legend with symbols for OIL SHOW, Even, Spotted, Ques, Dead, Gas, INTERVAL, Core, Dst, EVENT, Conn, Rft, Sidewall.



NOTE REVERSE GRADING.

