1096148

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4567
Name: D. E. Exploration, Inc.
Address 1: PO BOX 128
Address 2:
City: WELLSVILLE State: KS Zip: 66092 + 0128
Contact Person: PHIL FRICK
Phone: (785) 883-4057
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: NONE
Purchaser:

Designate Type of Completion:
- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

04/05/2012	04/06/2012	04/06/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-29038-00-00
Spot Description:
NW - SE - SE - NW Sec. 4 Twp. 19 S. R. 24 [x] East [ ] West
3135 Feet from [ ] North / [x] South Line of Section
3085 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Miami
Lease Name: Garberg Well #: A-7
Field Name: BLACK
Producing Formation: SQUIRREL
Elevation: Ground: 816 Kelly Bushing: 816
Total Depth: 480 Plug Back Total Depth: 420
Amount of Surface Pipe Set and Cemented at: 22 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 453
feet depth to: 0 w/ 84 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 0 ppm Fluid volume: 20 bbls
Dewatering method used: Evaporated
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:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III Approved by: Deanna Garrison Date: 10/11/2012

Side Two

1096148

Operator Name: D. E. Exploration, Inc. Lease Name: Garberg Well #: A-7

Sec. 4 Twp. 19 S. R. 24 ☑ East ☐ West County: Miami

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☑ Yes ☐ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

GAMMA RAY/NEUTRON/CCL

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
SQUIRREL	357	+459

CASING RECORD ☐ New ☑ 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
SURFACE	12.25	8.625	25	22	PORTLAND	2	NA
PRODUCTION	6.75	4.5	10	453	50/50 POZ	84	SEE TICKET

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 *(Amount and Kind of Material Used)*	Depth
3	357-363 - 19 PERFS - 3.375" DP 23 GR. ECG		

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 07/17/2012

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:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____	_____ _____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Miami County, KS
Well: Garberg A-7
Lease Owner: DE Exploration

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
4/5/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-25	Soil-Clay	25
127	Shale	152
8	Shale & Lime	160
18	Shale	178
13	Red Bed	191
3	Shale	194
5	Lime	199
13	Shale	212
3	Lime	215
5	Shale	220
8	Lime	228
15	Shale	243
4	Lime	247
5	Shale	252
6	Sand	258
5	Shale	263
17	Lime	280
10	Shale	290
2	Lime	292
18	Shale	310
3	Lime	313
44	Shale	357
1	Sand	358
18	Core	376
33	Shale	409
1	Lime	410
10	Shale	420
17	Lime	437
43	Shale	480-TD

Core		
		358
4	Sand	362
10	Sandy Shale	372
4	Shale	376

Garberg Farm: Miami County

KS State; Well No. A-7

Elevation 816

Commenced Spuding April 5 20 12

Finished Drilling April 6 20 12

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Brandon Stone

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Contractor's Name TOS

4 19 24

(Section) (Township) (Range)

Distance from S line, 3135 ft.

Distance from E line, 3085 ft.

8 hrs

1 core

2 sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set	5/8 22	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
420.	4	Baffle		4	1/2
453.	1	Float			

Thickness of Strata	Formation	Total Depth	Remarks
0-25	soil - clay	25	
127	shale	152	
8	shale & lime	160	
18	shale	178	
13	red bed	191	
3	shale	194	
5	Lime	199	
13	shale	212	
3	Lime	215	
5	shale	220	
8	Lime	228	
15	shale	243	
4	Lime	247	
5	shale	252	
6	sand	258	color no show
5	shale	263	
17	Lime	280	
10	shale	290	
2	Lime	292	
18	shale	310	
3	Lime	313	
44	shale	357	
1	sand	358	good Oil perf
18	core	376	
33	shale	409	
1	Lime	410	
10	shale	420	

420

Thickness of Strata	Formation	Total Depth	Remarks
17	Sand	437	no Oil
43	shale	480	TD

Core

Thickness of Strata	Formation	Total Depth	Remarks
		358	
4	sand	362	good Oil - Solid - perf
10	sandy shale	372	no Oil
4	shale	376	

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE Invoice # 248948

Invoice Date: 04/11/2012 Terms: Page 1

D.E. EXPLORATION
DOUG EVANS
P.O. BOX 128
WELLSVILLE KS 66092
(785)883-4057

GARBERG A-7
36473
NW 4 19 24 MI
4/6/12
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	84.00	10.9500	919.80
1118B	PREMIUM GEL / BENTONITE	241.00	.2100	50.61
1111	SODIUM CHLORIDE (GRANULA	176.00	.3700	65.12
1110A	KOL SEAL (50# BAG)	420.00	.4600	193.20
1401	HE 100 POLYMER	.50	47.2500	23.63
4404	4 1/2" RUBBER PLUG	1.00	45.0000	45.00

	Description	Hours	Unit Price	Total
369	80 BBL VACUUM TRUCK	2.00	90.00	180.00
495	CEMENT PUMP	1.00	1030.00	1030.00
495	EQUIPMENT MILEAGE (ONE WAY)	40.00	4.00	160.00
495	CASING FOOTAGE	453.00	.00	.00
548	MIN. BULK DELIVERY	1.00	350.00	350.00

Parts:	1297.36	Freight:	.00	Tax:	97.95	AR	3115.31
Labor:	.00	Misc:	.00	Total:	3115.31		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 36473
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/6/12	2355	Garberg #A-7	NW 4	19	24	MI

CUSTOMER: D.E. Exploration
MAILING ADDRESS: PO Box 128
CITY: Wellsville | STATE: KS | ZIP CODE: 66092

TRUCK#	DRIVER	TRUCK#	DRIVER
481	Casken	dc	
495	HarBec	HB	
548	MikHaa	MH	
369	DerMes	DM	

JOB TYPE longstring | HOLE SIZE 6 3/4" | HOLE DEPTH 480' | CASING SIZE & WEIGHT 4 1/2"
CASING DEPTH 453' | DRILL PIPE | ~~TUBING~~ baffle - 420' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT 6.7 bbls | DISPLACEMENT PSI | MIX PSI | RATE 5.5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 1/2 gal. HE-100 Polymer, mixed + pumped 100 # Premium gel, mixed + pumped 84 sks 50/50 Pozmix cement w/ 2% gel, 5% Salt, + 5# Kol Seal per sk, cement to surface, flushed pump clean, pumped 4 1/2" rubber plug to baffle plate w/ 6.7 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	40 miles	MILEAGE		160.00
5402	453'	casing footage		—
5407	minimum	ton mileage		350.00
5502	2 hrs	80 Vac		180.00
1124	84 sks	50/50 Pozmix cement		919.80
1118B	241 #	Premium Gel		50.61
1111	176 #	Salt		65.12
1110A	420 #	Kol Seal		193.20
1401	1/2 gal	HE-100 Polymer		23.63
4404	1	4 1/2" rubber plug		45.00
		2118948		
		7.55%	SALES TAX	97.95
			ESTIMATED TOTAL	3115.31

Ravin 3737

AUTHORIZTION _____ 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