Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1202354

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 # 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:

☑ 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 #:

02/25/2014	02/27/2014	02/27/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-24282-00-00
Spot Description:
W2 SW SE SW Sec. 1 Twp. 15 S. R. 21 ☑ East ☐ West
330 Feet from ☐ North / ☑ South Line of Section
3690 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Johnson
Lease Name: White Well #: 6
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1013 Kelly Bushing: 1013
Total Vertical Depth: 820 Plug Back Total Depth: 761
Amount of Surface Pipe Set and Cemented at: 21 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 792
feet depth to: 0 w/ 154 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 30 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

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 05/05/2014

1202354

Operator Name: D. E. Exploration, Inc. Lease Name: White Well #: 6

Sec. 1 Twp. 15 S. R. 21 ☑ East ☐ West County: Johnson

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 (Attach Additional Sheets) ☐ Yes ☑ No

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Gamma Ray/Neutron/CCL

☑ Log ☐ Sample

Formation (Top), Depth and Datum

Name	Top	Datum
Squirrel	721	+292

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	28	21	Portland	3	NA
Production	6.75	4.5	11	792	50/50 Poz	154	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	-			

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 *(Amount and Kind of Material Used)*	Depth
3	721-731 - 31 Perfs - 3.375 DP 19 Gr. T. ECG		

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

Date of First, Resumed Production, SWD or ENHR. 04/07/2014

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	1				

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

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

Johnson County, KS
Well:White #6
Lease Owner:DE Explor

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

Commenced Spudding:
02/25/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
21	soil/clay	21
13	shale	34
22	lime	56
9	shale	65
9	lime	74
4	shale	78
19	lime	97
12	shale	109
12	sand	121
5	sandy shale	126
23	lime	149
43	shale	192
1	lime	202
16	shale	218
7	lime	225
4	shale	229
12	lime	241
17	shale	258
5	lime and shale	263
3	lime	266
10	shale	276
2	lime	278
34	shale	312
1	lime	313
10	shale	323
24	lime	347
8	shale	355
23	lime	378
4	shale	382
5	lime	387
3	shale	390
6	lime	396
6	shale	402
18	sandy shale	420
18	sand	438
5	sandy shale	443
125	shale	568
3	lime	571
5	shale	576
2	lime	578

Johnson County, KS
Well:White #6
Lease Owner:DE Explor

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

Commenced Spudding:
02/25/2014

10	shale	588
7	lime	595
15	shale	610
3	lime	613
10	shale and lime	623
2	lime	625
24	shale	649
7	lime and shale	656
66	shale	722
3	broken sand	725
6	sand	731
2	broken sand	733
6	sandy shale	739
81	shale	820-TD

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh
D equals diameter in feet.
h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004
BPH - barrels per hour
PSI - pounds square inch

TO FIGURE PUMP DRIVES

*** D - Diameter of Pump Sheave**
*** d - Diameter of Engine Sheave**
SPM - Strokes per minute
RPM - Engine Speed
R - Gear Box Ratio
***C - Shaft Center Distance**

D - RPMxd over SPMxR
d - SPMxRxD over RPM
SPM - RPMXD over RxD
R - RPMXD over SPMxD

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}}$ = AMPS

746 WATTS equal 1 HP

Log Book

Well No. #6

Farm White

KS (State) Johnson (County)

1 (Section) 15 (Township) 21 (Range)

For D.E. Exploration (Well Owner)

Town Oilfield Services, Inc.
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

White Farm: Johnson County

KS State; Well No. #6

Elevation 1013

Commenced Spuding 2-25 20 14

Finished Drilling 2-27 20 14

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Cole Holcom

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

5 15 21

(Section) (Township) (Range)

Distance from S line, 330 ft.

Distance from E line, 3690 ft.

2-Sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
8⅝ Set	21	8" Pulled	
6¼" Set		6¼" Pulled	
4½ Set	792.05	4" Pulled	
2" Set		2" Pulled	

761- Saddle

820 TD

Feet n.

Thickness of Strata	Formation	Total Depth	Remarks
21	soil / clay	21	
13	shale	34	
22	Lime	56	
9	shale	65	
9	Lime	74	
4	shale	78	
19	Lime	97	
12	shale	109	red bed
12	sand	121	no oil
5	sandy shale	126	
23	Lime	149	
43	shale	192	
10	Lime	202	
16	shale	218	
7	Lime	225	
4	shale	229	
12	Lime	241	
17	shale	258	
5	Lime & shale	263	
3	Lime	266	
10	shale	276	
2	Lime	278	
34	shale	312	
1	Lime	313	
10	shale	323	
24	Lime	347	
8	shale	355	

Thickness of Strata	Formation	Total Depth	Remarks
		355	
23	Lime	378	
4	shale	382	
5	Lime	387	
3	shale	390	
6	Lime	396	Hardline
6	shale	402	
18	sandy shale	420	with some shale seams
18	sand	438	grey sand, some water
5	sand & shale	443	with some sandy shale (Gas 30 psi 5 min)
125	shale	568	
3	Lime	571	
5	shale	576	
2	Lime	578	
10	shale	588	
7	Lime	595	
15	shale	610	
3	Lime	613	
10	shale & Lime	623	
2	Lime	625	
24	shale	649	
7	Lime & shale	656	
66	shale	722	
3	Broken sand	725	
6	sand	731	brown sand, no oil (8 psi Gas (5 min)
2	Broken sand	733	
6	sand & shale	739	
81	shale	820	TD

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
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 # 266287

Invoice Date: 02/28/2014 Terms: 0/0/30,n/30 Page 1

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

WHITE #6
42549
SW 1-15-21
02-27-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	154.00	11.5000	1771.00
1118B	PREMIUM GEL / BENTONITE	459.00	.2200	100.98
1111	SODIUM CHLORIDE (GRANULA	323.00	.3900	125.97
1110A	KOL SEAL (50# BAG)	770.00	.4600	354.20
4404	4 1/2" RUBBER PLUG	1.00	47.2500	47.25

	Description	Hours	Unit Price	Total
558	MIN. BULK DELIVERY	1.00	368.00	368.00
666	CEMENT PUMP	1.00	1085.00	1085.00
666	EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
666	CASING FOOTAGE	792.00	.00	.00
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts:	2399.40	Freight:	.00	Tax:	176.95 AR	4335.35
Labor:	.00	Misc:	.00	Total:	4335.35	
Sublt:	.00	Supplies:	.00	Change:	.00	

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

266287

TICKET NUMBER 42549
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/27/14	2355	White # 6	SW 1	15	21	~~Franklin~~ JO

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

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Casken	✓	Safety Meeting
666	GarMac	✓	
558	JasRic	✓	
675	KeiDet	✓	

JOB TYPE longstring | HOLE SIZE 6 3/4" | HOLE DEPTH 820' | CASING SIZE & WEIGHT 4 1/2"
CASING DEPTH 792' | DRILL PIPE | TUBING baffle - 761' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 31'
DISPLACEMENT 12.14 bbls | DISPLACEMENT PSI | MIX PSI | RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 6 bbls dye marker, mixed & pumped 154 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, & 5# Kolseal per sk, dye marker to surface, flushed pump clean, pumped 4 1/2" rubber plug to baffle w/ 12.14 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.
* cement to surface *

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	30 mi	MILEAGE		126.00
5402	792'	Casing footage		—
5407	minimum	ton mileage		368.00
5502C	2 hrs	80 Vac		180.00
1124	154 sks	50/50 Pozmix cement		1771.00
1118B	459 #	Premium Gel		100.98
1111	323 #	Salt		125.97
1110A	770 #	Kolseal		354.20
4404	1	4 1/2" rubber plug		47.25
		7.375%	SALES TAX	176.95
			ESTIMATED TOTAL	4335.35

completed

Ravin 3737

AUTHORIZTION Bryan Kelly 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