



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1235263
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: _____

1235263

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Johnson County, KS
Well: Sugar Ridge N-5
Lease Owner: DZ Eploration

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

Commenced Spudding:
11/10/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 8	Soil & Clay	8
19	Shale	27
4	Lime	31
5	Shale	36
17	Lime	53
10	Shale	63
12	Lime	75
3	Shale	78
23	Lime	101
18	Shale	119
22	Lime	141
5	Shale	146
52	Lime	198
18	Shale	216
9	Lime	225
21	Shale	246
7	Lime	253
7	Shale	260
6	Lime	266
32	Shale	298
1	Lime	299
11	Shale	310
26	Lime	336
6	Shale	342
24	Lime	366
4	Shale	370
4	Lime	374
6	Shale	380
5	Lime	385
173	Shale	558
6	Lime	564
10	Shale	574
6	Lime	580
15	Shale	595
3	Lime	598
122	Shale	720
6	Grey Sand	726
10	Broken Sand	736
9	Grey Sand	745
94	Shale	839

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times 1.4 \times h$

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 - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times D$

R - $RPM \times D$ over $SPM \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. N-6

Farm Sugar Ridge

KS Johnson
(State) (County)

29 14 22
(Section) (Township) (Range)

For D+Z Exploration
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
8	soil & clay	8	
19	shale	27	
4	lime	31	
5	shale	36	
17	lime	53	
10	shale	63	
12	lime	75	
3	shale	78	
23	lime	101	
18	shale	119	
22	lime	141	
5	shale	146	
52	lime	198	
18	shale	216	
9	lime	225	
21	shale	246	
7	lime	253	
7	shale	260	
6	lime	266	
32	shale	298	
1	lime	299	
11	shale	310	
26	lime	336	
6	shale	342	
24	lime	366	
4	shale	370	
4	lime	374	

374

Thickness of Strata	Formation	Total Depth	Remarks
6	shale	380	
5	lime	385	
173	shale	558	
6	lime	564	
10	shale	574	
6	lime	580	
15	shale	595	
3	lime	598	
122	shale	720	
6	grey sand	726	no oil
14	broken sand	736	lite color brown sand
9	grey sand	745	no oil
94	shale	839	
4	broken sand	843	lite color 70% white sand 30% broken sand
5	oil sand	848	good bleed good saturation
2	broken sand	850	good bleed 60% broken sand 40% sandy shale
5	sandy shale	855	
85	shale	940	TD



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

INOICE

Invoice # 802058

Invoice Date: 11/21/2014

Terms: Net 30

Page 1

D & Z EXPLORATION

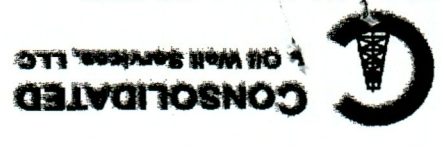
SUGAR RIDGE FARMS # N- 5

901 N. ELM ST.
 ST. ELMO IL 62458
 USA
 6188293274

Part Number	Description	Qty	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.00	1,085.00	0.00	1,085.00
5406	Mileage Charge	1.00	0.00	0.00	0.00
5402	Casing Footage	903.00	0.00	0.00	0.00
5407	Min. Bulk Delivery Charge	0.50	368.00	0.00	184.00
5502C	80 Vacuum Truck Cement	1.50	100.00	0.00	150.00
1124	Poz Cement Mix	125.00	11.50	30.00	1,006.25
1118B	Premium Gel / Bentonite	410.00	0.22	30.00	63.14
1111	Sodium Chloride (Granulated)	263.00	0.39	30.00	71.80
1110A	Kol Seal (50# BAG)	625.00	0.46	30.00	201.25
4402	2 1/2 Rubber Plug	1.00	29.50	0.00	29.50
Sub Total					3,366.27
Discounted Amount					575.33
SubTotal After Discount					2,790.94

Amount Due 3,509.88 if paid after 12/21/2014

Tax: 101.18
 Total: 2,892.12



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

INVOICE #802058

TICKET NUMBER 50603
LOCATION Chanute, KS
FOREMAN Larry Kennedy
1043 / 990

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	11/14/3392	WELL NAME & NUMBER	Sugar Bridge Farms # W-5 SEC 29
CUSTOMER #	11114	SECTION	14
COUNTRY	KS	RANGE	22
		COUNTY	JO

CUSTOMER	D+E Exploration
MAILING ADDRESS	901 N Elm St.
CITY	Chanute
STATE	KS
ZIP CODE	6458
JOB TYPE	Logging
CASING DEPTH	903'
DRILL PIPE	
TUBING	
SLURRY VOL	
WATER gal/ack	
CEMENT LEFT in CASING	
OTHER	

SLURRY WEIGHT	5.23 bls
DISPLACEMENT PSI	4.5 psi
DISPLACEMENT	4.5 psi
REMARKS:	hold water, established circulation, mixed & pumped 300# Retrievor Go followed by 10 bbls fresh water, mixed & pumped 205 lbs 50 Retrievor cement by 20 gal, 50 gal 5# Retrievor cement, mixed & pumped to surface, flushed pump down, pumped 2 1/2" rubber plug to casing TD w/ 5.23 bls wash water, pressured to 800 PSI, well hold pressure for 30 min MIT, released pressure, shut in resting.

REMARKS: hold water, established circulation, mixed & pumped 300# Retrievor
Go followed by 10 bbls fresh water, mixed & pumped 205 lbs 50 Retrievor cement
by 20 gal, 50 gal 5# Retrievor cement, mixed & pumped to surface, flushed pump
down, pumped 2 1/2" rubber plug to casing TD w/ 5.23 bls wash water, pressured
to 800 PSI, well hold pressure for 30 min MIT, released pressure, shut in
resting.

1085.00
184.00
150.00

ACCOUNT	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
S401	1	PUMP CHARGE		1085.00
S406	1	MILEAGE		
S402	903'	on lease		
S407	1/2 maximum	casine leakage		
S502C	1.5 hrs	DD Vac		
124	125 cu	50# Retrievor cement	1437.50	
118B	410 #	Retrievor gel	90.00	
1111	203 #	Salt	102.57	
110A	1025 #	Keloid	282.50	
		Materials	1912.77	
		-30%	575.33	
		Subtotal	1342.44	
4402	1	2 1/2" rubber plug	28.50	
			3509.88	
			2335%	
			101.18	
			2872.12	

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.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms: Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all times have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all times have complete care, custody, and control of the well, the drilling and production equipment, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a "claim") for damage to property, or injury to or death of employees and representatives, or Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages, whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck down hole tools and may supply supervision for the turning and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY IN ANY CLAIM (WHETHER IN CONTRACT, TORT, BREACH OF WARRANTY OR OTHERWISE), ARISING OUT OF THE SALE OR USE OF ANY COWS' PRODUCTS, SUPPLIES, MATERIALS OR SERVICES IS EXPRESSLY LIMITED TO THE REPLACEMENT OF SUCH PRODUCTS, SUPPLIES, MATERIALS OR SERVICES OR THEIR RETURN TO COWS, OR, AT COWS' OPTION, AN ALLOWANCE TO CUSTOMER OF CREDIT FOR THE COST OF SUCH ITEMS.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.