

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1251121

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 #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec.	TwpS. R	East West
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long:	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:	
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total D	epth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
Plug Back	Conv. to G		(Data must be collected from to		
Commingled	Permit #		Chloride content:	ppm Fluid volume	: bbls
Dual Completion			Dewatering method used:_		
SWD			Location of fluid disposal if	hauled offsite:	
ENHR	Permit #:				
GSW	Permit #:		Operator Name:		
			Lease Name:		
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East West
Recompletion Date		Recompletion Date	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 I II Approved by: Date:

Page Two



Operator Name: Lease Name: _ _ Well #: _ 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** No Loa Formation (Top), Depth and Datum Sample | Yes (Attach Additional Sheets) Name Top Datum No Samples Sent to Geological Survey Yes ☐ No Yes
 Yes
 ■
 Yes
 ■
 Yes
 ■
 Nes
 Nes Cores Taken Electric Log Run ___ Yes No List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight Setting Type of # Sacks Type and Percent Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom 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) No Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes (If No, skip question 3) Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? (If No, fill out Page Three of the ACO-1) Yes PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated Depth (Amount and Kind of Material Used) 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** Oil Bbls Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Hours METHOD OF COMPLETION: DISPOSITION OF GAS: PRODUCTION INTERVAL: Open Hole Perf. Dually Comp. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Phone: 913-557-9083 Fax: 913-557-9084

WELL LOG

Paola, KS 66071

D & Z Exploration, Inc. Andrew A #2 API # 15-091-24,403

December 8 - December 9, 2014

Thickness of Strata	Formation	<u>Total</u>
10	soil & clay	10
10	sand & gravel	20
8	lime	28
5	shale	33
14	lime	47
8	shale	55
9	lime	64
9	shale	73
16	lime	89
17	shale	106
69	lime	175
33	shale	208
13	lime	221
13	shale	234
6	lime	240
8	shale	248
18	lime	266
17	shale	283
2	lime	285
9	shale	294
9	lime	303
2	shale	305
15	lime	320
6	shale	326
22	lime	348
4	shale	352
15	lime	367 base of the Kansas City
178	shale	545
4	lime	549
3	shale	552
3	lime	555
8	shale	563
8	lime	571
14	shale	585
6	lime	591
95	shale	686
4	lime	690
17	shale	707
12	oil sand	719 brown, light bleeding
22	shale	741

Andrew A # 2		Page 2
6	lime	747
88	shale	835
1.5	limey sand	836.5 black & white 2% bleeding
3	shale	839.5
4	limey sand	843.5 black & white, 20% bleeding
3	shale	846.5
0.5	broken sand	847 black & green, no bleeding
2.5	shale	849.5
3.5	broken sand	853 black & green, no bleeding
67	shale	920 TD

Drilled a 9 7/8" hole to 20.5' Drilled a 5 5/8" hole to 920'

Set 20.5' of 7" surface casing, cemented by Consolidated Oil Well Service..

Set 894.45' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, 1 seating nipple

	Minutes	Seconds
836		13
837	1	4
838		26
839		59
840		33
841		40
842		24
843		25
844		28
845		37
846		41
847		37
848		34
849		39
850		36
851		37
852		34
853		29
854		39
855		41





REMIT TO

MAIN OFFICE

P.O.Box884 Chanute.KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

Page

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

Terms:

802642 Invoice# Invoice

12/16/14 Invoice Date: Net 30

D & Z EXPLORATION

901 N. ELM ST.

ST. ELMO IL 62458

USA

6188293274

ANDREW A #2

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	0.000	1,085.00
5406	Mileage Charge	30.000	4.2000	0.000	126.00
5402	Casing Footage	894.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	0.500	368.0000	0.000	184.00
5502C	80 Vacuum Truck Cement	2.000	100.0000	0.000	200.00
1124	Poz Cement Mix	137.000	11.5000	30.000	1,102.85
1118B	Premium Gel / Bentonite	332.000	0.2200	30.000	51.13
1111	Sodium Chloride (Granulated Salt)	309.000	0.3900	30.000	84.36
1110A	Kol Seal (50# BAG)	685.000	0.4600	30.000	220.57
4402	2 1/2 Rubber Plug	1.000	29.5000	0.000	29.50
				Subtotal	3,708.65
			Discounte	ed Amount	625.25
			SubTotal Afte	er Discount	3,083.40
			Amount I	Due 3,864.53 If paid	d after 01/15/15

109.77

Tax:

Total: 3,193.18



AUTHORIZTION

CONSOLIDATED

Invoice #802642

TICKET NUM	BER 50736	
TICKET NUM	Hawa KS	
FOREMAN	Fred Mader	

	nanute, KS 6672 or 800-467-8676		& TREAT		ORI		
DATE	CUSTOMER#	WELL NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
12.12.14	3392	Andrew A #2		sw 8	14	22	20
CUSTOMER TO C MAILING ADDRE P 0 C CITY S+ E JOB TYPE L 6 CASING DEPTH SLURRY WEIGH	D. Explains	SY STATE ZIP CODE /L 62458 HOLE SIZE 578 DRILL PIPE SLURRY VOL	HOLE DEPTH_ TUBING_ WATER gal/sk	TRUCK# 7/2 / 4/95 / 4/95 / 5/10 920	DRIVER 5 re Mad 4at Bec Ke; Det Dus Web CASING SIZE & W	TRUCK# EIGHT 27% OTHER CASING 272	DRIVER
Flus	h Mix 5 # Kol A PSI.	DISPLACEMENT PSI	to Su	so Poz M s face f to cash	Mix + Pur ix Coment lush pur	mp 100°	5/0 5 40
Eva	us Exerg	y Dav. Inc.		SEDVICES AT DO		MaQu.	TOTAL

ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODU	UCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		10850
5406	30mi	MILEAGE	495		12600
5402	894	Casing Footing			MC
	2 Minimum	Ton Miles	510		18400
55020	2 hrs	50 BBC Vac Truck	675		200 00
1/24	/37 SKS	50/50 Por Mix Cament		157500	
11188	332. ⁴	Premium Gel		7304	
1111	3094	Granulated Salt	12051	1 Secret	
11104	6854	Kolsmal		3/5/0	
		Material		2084	
2.11		Less 30%		- 62525	- 9
		Total			145890
4402		2'2" Rubber Plug			2950
				3814.53	
					1
1 1		A COLUMN	7.325%	SALES TAX	10971
vin 3737	6/1/1/			ESTIMATED	319318

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.

TITLE

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 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.

All COWS' prices are subject to change without notice.

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 time 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 specify depths, pressures, or materials used for any service which is to be performed.

- (a) COWS shall not be responsible for any claim, cause of action or demand (bereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of 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 sole 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 cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface 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 in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) COWS makes no guarantee of the effectiveness of any COWS products, supplies or materials, or the results of any COWS' treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others. COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation of other data furnished by COWS. COWS personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.
- (c) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY.

COWS warrants title to the products, supplies and materials, and that the same are five 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.