



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1233472  
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: \_\_\_\_\_

1233472

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Taos Resources Operating Company LLC
Well Name	Wells 16-1
Doc ID	1233472

Tops

Name	Top	Datum
Topeka	1295	22
Stalnaker	2033	-716
KC Lime	2601	-1284
Miss Chert	3209	-1892
Kinderhook	3584	-2267
Woodford	3610	-2293
Viola	3663	-2364
RTD	3720	-2403





**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 # 271042

Invoice Date: 09/15/2014 Terms: 0/30/10,n/30

Page 1

TAOS RESOURCES OPERATING, LLC  
1455 WEST LOOP SOUTH, ST. 600  
HOUSTON TX 77027  
(713)993-0774

WELLS 16-1  
46473  
16/33/5E  
09/11/2014  
KS

SEP 18 2014

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	265.00	15.7000	4160.50
1102	CALCIUM CHLORIDE (50#)	750.00	.7800	585.00
1118B	PREMIUM GEL / BENTONITE	350.00	.2200	77.00
1107	FLO-SEAL (25#)	83.00	2.4700	205.01

Sublet Performed	Description	Total
9996-180	CEMENT MATERIAL DISCOUNT	-1508.25

Description	Hours	Unit Price	Total
491 TON MILEAGE DELIVERY	625.00	1.41	881.25
603 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
603 EQUIPMENT MILEAGE (ONE WAY)	50.00	4.20	210.00

WELL ID/APE # 1750528  
CODE 830-130  
DORR APPROVAL

Amount Due 7310.52 if paid after 09/25/2014

Parts:	5027.51	Freight:	.00	Tax:	225.23	AR	5705.74
Labor:	.00	Misc:	.00	Total:	5705.74		
Sublt:	-1508.25	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK 918/338-0808    EL DORADO, KS 316/322-7022    EUREKA, KS 620/583-7664    PONCA CITY, OK 580/762-2303    OAKLEY, KS 785/672-8822    OTTAWA, KS 785/242-4044    THAYER, KS 620/839-5269    GILLETTE, WY 307/686-4914    CUSHING, OK 918/225-2650



PO Box 884, Chanute, KS 66720  
820-431-9210 or 800-487-8676

271042

TICKET NUMBER 46473  
LOCATION El Dorado  
FOREMAN Fuzzy

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-11-14	2871	Wells 16-1	16	33	5E	Cowley
CUSTOMER TAOS Resources			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 1455 W. Loop South St 600			603	Tracey		
CITY Houston			491	Brandon		
STATE TX						
ZIP CODE 72754						

JOB TYPE surface HOLE SIZE 12 1/4 HOLE DEPTH 253' CASING SIZE & WEIGHT 8 5/8  
CASING DEPTH 260 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
DISPLACEMENT 15.6 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Unit 3. Break up and circulate mix 16 SSKS Class A 390cc 20 gal 1 1/2" poly flake. Displace 15 1/2" and shut in. Cement did not circulate. Ran 140' of 1-inch pipe down backside and cement with 100 SSKS Class A 390cc circulated to surface.

*SUPER JOB BY ALL HANDS.  
FUZZY TOO, THANKS FUZZY & CREW*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5403	1	PUMP CHARGE	870.00	870.00
5406	50	MILEAGE	4.20	210.00
5407A	12.5 bar	Ten Mileage Delivery	1.41	176.25
11049	265	Class 'A' cement	15.20	4160.00
2102	750*	Calcium chloride	.78	585.00
1118B	350*	Gel	.22	77.00
1107	83*	Poly flake	2.42	205.01
		Subtotal		6948.26
		disc		1508.35
		Subtotal		5440.31
		SALES TAX		225.23
		ESTIMATED TOTAL		5705.74

Rev'n 3737 AUTHORIZATION [Signature] TITLE TAOS REP DATE 9/12/2014

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.

20589



**CONSOLIDATED**  
Oil Well Services, LLC

RECEIVED  
SEP 22 2014  
BY: AZ

**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 # 271157

Invoice Date: 09/18/2014 Terms: 0/30/10,n/30

Page 1

TAOS RESOURCES OPERATING, LLC  
1455 WEST LOOP SOUTH, ST. 600  
HOUSTON TX 77027  
(713)993-0774

WELLS 16-1  
46476  
16/33/5E  
KS

WELL ID/AFE # 1750528  
CODE 840.130  
NOR R APPROVAL

Description	Hours	Unit Price	Total
TON MILEAGE DELIVERY	645.00	1.41	909.45
CASING FOOTAGE	1500.00	.23	345.00

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	275.00	15.7000	4317.50
1118B	PREMIUM GEL / BENTONITE	776.00	.2200	170.72
1102	CALCIUM CHLORIDE (50#)	517.00	.7800	403.26
1110A	KOL SEAL (50# BAG)	1375.00	.4600	632.50
1144G	MUD FLUSH (SALE)	500.00	1.1000	550.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4454	5 1/2" LATCH DOWN PLUG	1.00	316.2500	316.25
4136	TURBOLIZER 5 1/2"	7.00	132.5000	927.50
4104	CEMENT BASKET 5 1/2"	2.00	290.0000	580.00

Sublet Performed	Description	Total
9996-180	CEMENT MATERIALS DISCOUNT	-1657.19

Description	Hours	Unit Price	Total
603 CEMENT PUMP	1.00	1085.00	1085.00
603 EQUIPMENT MILEAGE (ONE WAY)	50.00	4.20	210.00

Amount Due 11414.15 if paid after 09/28/2014

Parts:	8331.48	Freight:	.00	Tax:	427.16	AR	9650.90
Labor:	.00	Misc:	.00	Total:	9650.90		
Sublt:	-1657.19	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK 918/338-0808   
 EL DORADO, KS 316/322-7022   
 EUREKA, KS 620/583-7664   
 PONCA CITY, OK 580/762-2303   
 OAKLEY, KS 785/672-8822   
 OTTAWA, KS 785/242-4044   
 THAYER, KS 620/839-5269   
 GILLETTE, WY 307/686-4914   
 CUSHING, OK 918/225-2650



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
820-431-9210 or 800-467-8676

271157  
**FIELD TICKET & TREATMENT REPORT**

TICKET NUMBER 46476  
LOCATION SL Bordo  
FOREMAN Fuzzy McCulloch

**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
9-17-14	2871	Wells 16-1	16	33	S6	Cowley	
CUSTOMER TAOS Resources			160 Cowley	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 1455 W. Loop South St 600			45-202	603	Tracy		
CITY Houston			1124	713	Mark		
STATE TX			512				
ZIP CODE 72254							

JOB TYPE Production HOLE SIZE 7 7/8 HOLE DEPTH 3720' CASING SIZE & WEIGHT 5 1/2 15.5  
CASING DEPTH 3700' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.7 SLURRY VOL 1.48 WATER gal/wk \_\_\_\_\_ CEMENT LEFT in CASING 46.7  
DISPLACEMENT 87.3 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on UAL #3 float equip Turbo's 3-6-9-12-16-19-35  
Baskets 15-25. Rig up and circulate the Pump 5 BBL water  
500 gal mud flush, 5 BBL water. Mix 30% STS RH. Mix 2.45 STS  
Class A 3% gel 2% cc w/5% Kol Seal / SK. Wash pump and lines.  
Drop plug and displace 88" 4 BBL. 1200' lift press. Land plug @  
1750' float held.

Thanks Fuzzy & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085 <sup>00</sup>	1085 <sup>00</sup>
5406	50	MILEAGE	42 <sup>00</sup>	210 <sup>00</sup>
5407A	12.9	Tow mileage Delivery	14 <sup>00</sup>	909 <sup>45</sup>
5402	1500'	Casing Footage	23 <sup>00</sup>	345 <sup>00</sup>
11045	275 gal	Class A	15 <sup>20</sup>	4317 <sup>50</sup>
1118B	776*	Gal	22 <sup>00</sup>	1702 <sup>20</sup>
1102	517*	Calcium chloride	78 <sup>00</sup>	4033 <sup>60</sup>
1110A	1375*	Kol-seal	46 <sup>00</sup>	632 <sup>50</sup>
1144G	500*	Mud Flush	1 <sup>10</sup>	550 <sup>00</sup>
4159	1	5 1/2 AFO float shoe w	433 <sup>25</sup>	433 <sup>25</sup>
4454	1	5 1/2 - hatchdown Assy w	316 <sup>25</sup>	316 <sup>25</sup>
4136	7	5 1/2 - Turbolizers (S-Bond) w	132 <sup>50</sup>	927 <sup>50</sup>
4104	2	5 1/2 - Baskets w	290 <sup>00</sup>	580 <sup>00</sup>
		subtotal		10880 <sup>93</sup>
		loss disc		1657 <sup>19</sup>
				9223 <sup>74</sup>
		SALES TAX		427.16
		ESTIMATED TOTAL		9650.90

AUTHORIZATION:  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.



**HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE**



<b>Last Fracture Date:</b>	10/10/2014
<b>County:</b>	Cowley
<b>API Number (14 Digits):</b>	15-035-24593-00-00
<b>Operator Name:</b>	Taos Resources Operating Company, LLC
<b>Well Name and Number:</b>	Wells 16-1
<b>Latitude:</b>	
<b>Longitude:</b>	
<b>Datum:</b>	
<b>Production Type:</b>	Oil
<b>True Vertical Depth (TVD):</b>	3720
<b>Total Base Fluid Volume (gal)*:</b>	561,582

**Hydraulic Fracturing Fluid Composition:**

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Authorized Representative's Name, Address and Phone Number
SP-902		Friction Reducer	Hydrotreated Light Distillate	064742-47-8	35%	0.02%	
			Petroleum Distillate	064742-94-5	40%	0.02%	
15% HCL		Acid	Hydrogen Chloride	7647-01-0	38%	0.65%	
AI-260		Inhibitor	Ethylene Glycol	107-21-1	20%	0.00%	
			N,N - Dimethyl Formamide	68-12-2	20%	0.00%	
			2-Butoxyethanol	111-76-2	5%	0.00%	
AR-104		Retarder	Methanol	67-56-1	Confidential	na	Tony Carpenter 278 CR 2706 Bartlesville, OK 74003 (918) 331-7133
SR-445		Surfactant	Isopropanol	67-63-0	Confidential	na	Tony Carpenter 278 CR 2706 Bartlesville, OK 74003 (918) 331-7133
Biostat 650		Biocide	Methanol	67-56-1	20%	0.00%	
			Isopropanol	67-63-0	5%	0.00%	
SP-950		Iron Control	Citric Acid	77-92-9	Confidential	na	Tony Carpenter 278 CR 2706 Bartlesville, OK 74003 (918) 331-7133

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

40/70 White Sand		Proppant	Quartz (Crystalline Silicate)	14808-60-7		3.21%	
100 MESH		Proppant	Quartz (Crystalline Silicate)	14808-60-7		0.40%	

\*Total Water Volume sources may include fresh water, produced water, and/or recycled water. \*\*Information is based on the maximum potential for concentration and thus the total may be over 100%.  
 Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers' Material Safety Data Sheets (MSDS).