

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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

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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	KSF "A" 1-2
Doc ID	1365315

All Electric Logs Run

Dual-Induction
Neutron-Density
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	KSF "A" 1-2
Doc ID	1365315

Tops

Name	Top	Datum
Anhy	2640	730
Stotler	3665	-295
Heebner	4022	-652
Lansing	4081	-711
Muncie Creek	4249	-879
Stark	4337	-1067
BKC	4437	-1067
Altamont	4492	-1122
Pawnee	4570	-1200
Cherokee	4659	-1289
Morrow	4803	-1433
Miss	4882	-1512



GEOLOGIST'S REPORT
DRILL TIME &
SAMPLE LOG

COMPANY **COBALT ENERGY, LLC**

LEASE **KSF 'A' #1-2**

FIELD **Wildcat**

LOCATION **2224' FSL & 2226' FEL**

SEC. **2** TWP. **15S** RGE. **37W**

COUNTY **Logan** STATE **KS**

CONTRACTOR **Pickrel Drilling Co., Rig #10**

SEED **06/22/17** COMP **07/27/17**

RTD **5021'** LTD **5020'**

MUD UP **3550'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3700' TO RTD**

DRAWING TIME KEPT FROM **3600' TO RTD**

SAMPLES EXAMINED FROM **3700' TO RTD**

GEOLOGICAL SUPERVISION FROM **3417' TO RTD**

GEOLOGIST ON WELL **Corey N. Baker**

ELEVATIONS **KB -3370'**

DF **363'**

CL **363'**

Measurements Area All From **KB**

CASING **8 8/8" @ 2 1/8"**

Surface **8 8/8" @ 2 1/8"**

Production **NA**

Conductor **NA**

Electricity **NA**

Day Indication, National Daily

Phone Energy Services

Section

FORMATION TOPS

ELECTRIC LOG

SAMPLE

ANHYDRITE

Stark

Heebner

Lansing

Toronto

BKC

Morrow

Altamont

4492 (-1122)

4437 (-967)

4249 (-879)

4041 (-671)

4022 (-652)

3665 (-295)

2641 (+729)

2662 (+708)

2640 (+730)

3689 (-299)

4023 (-653)

4081 (-711)

4083 (-713)

4327 (-972)

4432 (-1122)

4539 (-1280)

4882 (-1512)

4891 (-1511)

5021 (-1631)

5020 (-1650)

5021 (-1631)

5021 (-1631)

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REMARKS The KSF 'A' #1-2 was plugged & abandoned as a dry hole. The well had no shows or odor and logs confirmed the decision to plug.

Respectfully Submitted,

Corey Baker
Vice President - Exploration
Cobalt Energy, LLC

API #15-109-21506-00-00

LEGEND

Anyhydrite Sandstone Limestone Shale Carb Sh Cherty LS Chart Dolomite

LITHOLOGY DEPTH DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTION REMARKS

2600 2641 (+729) Anhydrite

2662 (+708) Base of Anhydrite

3600-3700 Skip drilling time from 2700-3600', start sample descriptions @ 3700'

3665 (-295) Stollar

3700-4000 L: white-ft gry-erm, of stln, gssstn, foss, ool, tightly cem, no vis pcc, ns

3800-3865 L: white-ft gry-erm, of stln, chly, sil chly, foss in prt, no intrastn pcc, ns

3865 (-295) Stollar

3900-3950 L: white-ft gry, of stln, chly, no vis pcc, ns

3950-4000 L: white-ft gry-erm, of stln, chly, sil chly, foss in prt, no intrastn pcc, ns

4000-4022 (-652) Heebner

4022 (-652) Heebner

4041 (-671) Toronto

4041 (-671) Toronto

4081 (-711) Lansing

4081 (-711) Lansing

4100-4150 L: white-ft gry, of stln, chly, no vis pcc, ns

4150-4200 L: white-ft gry, of stln, chly, sil chly, foss in prt, no intrastn pcc, ns

4200-4225 BKC

4225-4249 (-879) Morrow

4249 (-879) Morrow

4300-4350 L: white-ft gry-erm, of stln, chly, sil chly, foss in prt, no vis pcc, ns

4350-4400 L: white-ft gry, of stln, chly, sil chly, foss in prt, no vis pcc, ns

4400-4425 BKC

4425-4437 (-967) Stark

4437 (-967) Stark

4450-4500 L: white-ft gry-erm, of stln, chly, sil chly, foss in prt, sm ool, well cem, no vis pcc, ns

4500-4525 Morrow

4525-4531 Morrow

4531-4550 Morrow

4550-4600 L: white-ft gry, of stln, chly, sil chly, foss in prt, no vis pcc, ns

4600-4625 Pawnee

4625-4630 (-1260) Ft. Scott

4630 (-1260) Ft. Scott

4650-4700 L: white-ft gry, of stln, chly, sil chly, foss in prt, chly, mostly dns, several cut w/rr vug & foss cut pcc, ns

4700-4725 Cherokee

4725-4750 Cherokee

4750-4800 L: white-ft gry, of stln, chly, sil chly, foss in prt, chly, no vis pcc, ns

4800-4825 Morrow

4825-4832 Morrow

4832-4850 Morrow

4850-4882 (-1512) Mississippian

4882 (-1512) Mississippian

4891 (-1511) Mississippian

4900-4950 L: white-ft gry, of stln, chly, sil chly, foss in prt, no vis pcc, ns

4950-5000 L: white-ft gry, of stln, chly, sil chly, foss in prt, no vis pcc, ns

5000-5020 LTD

5020 (-1650) LTD

5020 (-1650) LTD

5021 (-1631) LTD

5021 (-1631) LTD

5021 (-1631) LTD

Company **COBALT ENERGY, LLC** Elevation **3370' KB**

Lease **KSF 'A' #1-2**

Location **2224' FSL & 2226' FEL SEC. 2 TWP 15S RGE 37W**

County **Logan** State **Kansas**

GLOBAL OIL FIELD SERVICES, LLC

3000

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>6-23-17</u>	SEC. <u>2</u>	TWP. <u>15S</u>	RANGE <u>37W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>5:45 AM</u>
LEASE <u>KSF A</u>	WELL # <u>1-2</u>	LOCATION <u>Levell...</u>	COUNTY <u>LOGAN</u>			STATE <u>KS</u>	

OLD OR NEW (CIRCLE ONE)

CONTRACTOR Pickering Drilling Rmt 10
 TYPE OF JOB SUMMIT
 HOLE SIZE 17 1/2 T.D.
 CASING SIZE 17 1/2 DEPTH 223.08
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX. MINIMUM
 MEAS. LINE SHOE JOINT 42.22'
 CEMENT LEFT IN CSG. 20
 PERFS
 DISPLACEMENT 13 BBL

OWNER
 CEMENT
 AMOUNT ORDERED 150 SY 60/40 P02 3% cc 2%

EQUIPMENT
 PUMP TRUCK CEMENTER Baro
 # 417 HELPER Jared
 BULK TRUCK
 # 421 DRIVER Tom
 BULK TRUCK
 # DRIVER

COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 HANDLING @
 MILEAGE @
 TOTAL

REMARKS:

RUN IN CASING, DISPLACE MWD, MIX 150 SY, WASH UP + DISPLACE W/ 13 BBL H2O, 5107 IN @ 200 PSI, CEMENT - DIB. CIRCULAR

CHARGE TO: Carroll Energy
 STREET 115 S. Bellmont
 CITY Wichita STATE KS ZIP 67208

Global Oil Field Services, LLC
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mike Kovach
 SIGNATURE Mike Kovach

SERVICE
 DEPTH OF JOB
 PUMP TRUCK CHARGE @
 EXTRA FOOTAGE @
 MILEAGE @
 MANFOLD @
 TOTAL

PLUG & FLOAT EQUIPMENT
 @
 @
 @
 @
 @
 TOTAL

SALES TAX (If Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS