

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 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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DAILY REPORT SUMMARY

9/26/2007

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EDGAR

- 7/27/2007 B-3 Harrods moved work string from B-5 to B-3. Moved in Hurricane Well Service. Rented Halliburton R-4 packer from Hizey Supply. Ran packer and tubing to 2429'. Left hanging in hole.
- 7/31/2007 B-3 Set packer at 2429' and pressured annulus. Pumped into. Reset packer at 258'. Held OK. Reset @ 574'. Pumped into. Reset 416'. Held OK. Reset set several times back down to 574'. Pump into each. At 574' switched over to tubing and started pumping. Had communication up hole indicating hole below 574'. Called out RBP and squeeze packer. Wait on tools. Ran RBP and Packer to 2411'. Set RBP. Pulled 1 joint and set packer. Tested RBP to 450 PSIG. Pull to 1900' and pumped on tubing. Pressure will not hold. Move packer to 2059'. Pressure tubing and pumping into well. Move to 2215' (may be inside cemented interval) Pressure and held OK. Run in and get onto RBP. Pull RBP and packer out of hole. Release rig.
- 8/14/2007 B-3 Moved work string from B-5 to B-3. Ran in hole with bit and tubing. Tag bottom @ 2442'. Circulated and drilled down to 2509'. Circulated hole clean. TOOH with tubing and bit. RIH open ended. Spotted 500# sand. Tagged sand. Pulled 4 jts and SD.
- 8/15/2007 B-3 TOOH with tubing. Ran 32 joints 3.5" 6.65# .188 wall X-42 line pipe liner. SD
- 8/16/2007 B-3 Ran 26 joints + 4.92' of 23rd joint 3.5" liner to 2450' KB by tally measurements. Copeland Acid and Cement cemented with 240 sx. Common + friction reducer. Did not circulate to surface. Rig down double drum.
- 8/17/2007 B-3 Copeland Acid and Cement pumped 123 sx common between 3.5" and 4.5".
- 8/20/2007 B-3 Ran in hole with 3" bit, changeover sub and 2.375" tubing. Changed out regular collars to 2.91" special clearance couplings while running in. Tagged @ 2444' (does not agree with liner tally). Moved 2.375" duolined tubing from B-3 to Lewis yard. SD
- 8/21/2007 B-3 Wait on pump truck until 11:30 AM. Drilled out plug and shoe. Start washing down and pump truck overheats. Pull into liner and pump truck was able to circulate long enough to clean tubing. Called out Consolidated Oil Well Service pump truck. Washed down to 2505' KB and started losing fluid to formation. Pulled up and dumped dye indicator into pump suction, circulated 20 barrels and had dye at surface. Circulated additional 10 barrels. Pulled 3 joints of tubing and SD.
- 8/22/2007 B-3 Pulling 2.375" tubing out. Laid down on trailer to move to B-5. Swabbed back through 3.5" until water cleared up. Fluid level @ 1900' from surface. Still getting dye indicator. RDDD
- 8/27/2007 B-3 Moved in Hurricane DD. Installed new tubing head and fittings. Ran 1 joint of tubing and chained down so as not to pump out of hole. Installed valves and hooked up to injection line. Start water into well. 700 PSIG by 9:00 PM. Shut down due to 600 PSIG valves on wellhead.
- 8/28/2007 B-3 Installed 1500 PSIG valves on tubing and wellhead and start lease @ 3:30 PM
- 8/29/2007 B-3 Injecting @ 1250 PSIG. SD lease and open well to flow back to pit @ 8 AM. Consolidated acidized with 750 gallons 20% HCL. Displaced acid to TD and soaked for 10 minutes. Displace acid @ 1500 PSIG @ 1.5-.9 BPM. With all acid in, SD for 15 minutes. Displaced with 20 bbls. of water @ 2.5 BPM @ 1500 PSIG. ISI 1400 PSIG. 15 min. 1000 PSIG. Blew down to 400 PSIG and shut in.
- 8/30/2007 B-3 Pressure down to 300 PSIG. Start lease. Injecting @ 500 PSIG @ 6 PM.
- 8/31/2007 B-3 Injection pressure 500 PSIG. Shut down lease. Open well to flow to pit. Leave open until mid afternoon. Still flowing small stream of water. Change out leaking valves. Start lease.
- 9/17/2007 B-3 Move in B&S Well Service single drum. Ran 2-1/16 IJ x 3.5" plastic coated packer and 71 joints of 2.375" NUE 10 Rd (collars 2.875") Sealtite lined tubing. Set bottom of packer at 2421.43' with 12" tension. Packer held. Hooked up injection line. RDSD.