



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1301533
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
-----------------------------------	-----------------	---

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: _____

1301533

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

NORTH AMERICAN RESOURCE CO.

DAILY COMPLETION / OPERATIONS REPORT

WELL NAME:	BULGER 7-1	REPORT DAY:	1	OPERATIONS DATE:	10-11-95
OBJECTIVE:	INJECTION CONVERSION	AFE NO:		AFE AMT. \$	
TD:	4900	PBTD:	4810	REPORTED BY:	
CSG SIZE:		TBG SIZE:	2 7/8" EVE 8RD		
ANNULUS CAPACITY:		TUBING CAPACITY:			
PERFORATIONS:	4768' - 4802'	FORMATION:	MORROW		
CURRENT OPERATION:					

24 HOUR SUMMARY:

MIRU POST & MASTIN WELL SERVICE - UNSEATED PUMP (WITH DIFFICULTY) - POOH & LAY DOWN RODS ON TRAILER - RAN PARAFFIN KNIFE ON SWAB LINE - RAN SWAB TO CLEAN I.D. OF TBG -

LOWERED TBG & TAGGED PBTD @ 4810' - TOO H & TALLIED TBG - TIH W/ 4 7/8" BIT, SCRAPER & 156 JTS TBG - TAGGED PBTD & PULLED JTS UP TO 4690' - SHUT WELL IN & SDFN.

EQUIPMENT POOH

1 1/4" X 16' POLISH ROD
 8' & 2' X 3/4" PONY RODS
 190 3/4" SUCKER RODS
 2 1/2" X 1 1/2" X 14' RW BC PUMP

LOADS FLUIDS (m3)	WEATHER / ROADS
TOTAL LOADS:	TEMP: 70*
DAILY REC:	ROADS: DRY
TOTAL REC:	
LEFT TO REC:	SERVICE RIG HOURS
TYPE:	DAILY: 11
	CUM: 11

DAILY COST SUMMARY

VENDOR	SERVICE	COST	VENDOR	SERVICE	COST
POST & MASTIN	RIG	\$1,450			
WEATHERFORD	RENTAL TOOL	\$300			
PEARSON	SUPERVISION	\$375			
			DAILY COST:		\$2,125
			PREVIOUS COST:		
			COST TO DATE:		\$2,125

NORTH AMERICAN RESOURCE CO.

DAILY COMPLETION / OPERATIONS REPORT

WELL NAME:	BULGER 7-1	REPORT DAY: 2	OPERATIONS DATE: 10-12-95
OBJECTIVE:	INJECTION CONVERSION	AFE NO:	AFE AMT. \$
TD: 4900'	PBTD: 4810'	REPORTED BY: ROGER PEARSON	
CSG SIZE: 5 1/2" 14#	TBG SIZE: 2 7/8 EVE 8RD		
ANNULUS CAPACITY:	TUBING CAPACITY:		
PERFORATIONS: 4768' - 4802	FORMATION: MORROW		
CURRENT OPERATION:			

24 HOUR SUMMARY:

TOOH W/ TBG., SCRAPER & BIT - TIH W/ ARROWSETT 2 PKR, SN, 155 JTS TBG. 18' SUBS - SET PKR @ 4807' (AFTER SEVERAL ATTEMPTS) - LOADED TBG. W/ 26 BBLs LEASE WTR - PSI TO 1800# - HAD SLOW LEAK - DOWN TO 1400# IN 10 MIN. - BLED OFF - PSI BACK TO 1600# - LOST ALL PRESSURE - PULLED TBG. FROM SLIPS - FOUND PKR RELEASED & SWINGING - RESET PKR @ 4806' - ATTEMPTED BUT COULD NOT LOAD TBG. - HAD STRONG BLOW ON ANNULUS - RELEASED PKR - RESET PKR @ 4805' - STILL UNABLE TO LOAD TBG. - BLOW ON ANNULUS - TOOH W/ TBG., SN, PKR - FOUND SPLIT JT OF TBG. 152ND DOWN OR 3RD UP FROM PKR - SHUT WELL IN & SDFN.

LOADS FLUIDS (m3)		WEATHER / ROADS	
TOTAL LOADS:	58 BBLs	TEMP:	70*
DAILY REC:		ROADS:	DRY
TOTAL REC:			
LEFT TO REC:	58 BBLs	SERVICE RIG HOURS	
TYPE: LEASE WTR		DAILY:	9
		CUM:	20

DAILY COST SUMMARY

VENDOR	SERVICE	COST	VENDOR	SERVICE	COST
POST & MASTIN	RIG	\$1,000			
SAMS PKR	RENTAL TOOL	\$840			
BRADY	PUMP TRUCK	\$240			
PEARSON	SUPERVISION	\$375			
DAILY COST:					\$2,455
PREVIOUS COST:					\$2,125
COST TO DATE:					\$5,580

NORTH AMERICAN RESOURCE CO.

DAILY COMPLETION / OPERATIONS REPORT

WELL NAME: BULGER 7-1		REPORT DAY: 3	OPERATIONS DATE: 10-13-95
OBJECTIVE: INJECTION CONVERSION		AFE NO:	AFE AMT. \$
TD: 4900'	PBTD: 4810'	REPORTED BY: ROGER PEARSON	
CSG SIZE: 5 1/2" 14#	TBG SIZE: 2 7/8" EVE 8RD		
ANNULUS CAPACITY:	TUBING CAPACITY:		
PERFORATIONS: 4768' - 4802'	FORMATION: MORROW		
CURRENT OPERATION:			

24 HOUR SUMMARY:

TIH W RTTS PKR, SN, 155 JTS & SUBS - SET RTTS @ 4807' - LOADED TBG. W/
 27 BBLs LEASE WTR - PSI TESTED @ 2000# - TESTED OK - RELEASED PKR & TOO H -
 L.D. RTTS - TIH W/ 5 1/2 RBP, MODEL R PKR, 153 JTS TBG. - SET RBP @ 4730' - LAY
 DOWN SUB LET PKR SWING @ 4725' - LOADED & CIRC HOLE CLEAN VIA TBG. WITH
 125 BBLs LEASE WTR - SET PKR @ 4725' - PSI TESTED ANNULUS @ 750# - HELD OK -
 BLED OFF - RELEASED PKR - R.U. TBG. SWAB - SWABBED WELL DOWN TO 4690' - PREP
 TO PULL TBG. - SHUT WELL IN - SDFN.

LOADS FLUIDS (m3)

TOTAL LOADS:	183 BBLs
DAILY REC:	124
TOTAL REC:	124
LEFT TO REC:	59
TYPE:	LEASE WTR

WEATHER / ROADS

TEMP: 60* & WINDY
ROADS: DRY

SERVICE RIG HOURS

DAILY: 11 1/2
CUM: 31 1/2

DAILY COST SUMMARY

VENDOR	SERVICE	COST	VENDOR	SERVICE	COST
POST & MASTIN	RIG	\$1,400	BRADY	WTR TRK	\$170
BOBBY'S	PUMP TRUCK	\$350	POST & MASTIN	SWAB TK	\$150
H.E.S.	RENTAL TOOL	\$1,100			
SAM'S PKR'S	RENTAL TOOL	\$840			
PEARSON	SUPERVISION	\$378			
DAILY COST:					\$4,388.00
PREVIOUS COST:					\$5,580.00
COST TO DATE:					\$9,968.00

NORTH AMERICAN RESOURCE CO.

DAILY COMPLETION / OPERATIONS REPORT

WELL NAME: BULGER 7-1	REPORT DAY: 4	OPERATIONS DATE: 10-14-95
OBJECTIVE: INJECTION CONTROL	AFE NO:	AFE AMT. \$
TD: 4900'	PBTD: 4810'	REPORTED BY: ROGER PEARSON
CSG SIZE: 5 1/2" 14#	TBG SIZE: 2 7/8" EVE 8RD	
ANNULUS CAPACITY:	TUBING CAPACITY:	
PERFORATIONS: 4768' - 4802'	FORMATION: MORROW	
CURRENT OPERATION:		

24 HOUR SUMMARY:

RAN TBG. SWAB - FOUND NO CHANGE IN FLUID LEVEL - RELEASED RBP -
 TOOH W/ TBG., PKR, RBP - PREP TO RUN SEAL TITE TBG. - SHUT WELL IN - S.D. FOR
 WEEKEND.

LOADS FLUIDS (m3)		WEATHER / ROADS	
TOTAL LOADS:	183	TEMP:	70*
DAILY REC:		ROADS:	DRY
TOTAL REC:	124		
LEFT TO REC:	59	SERVICE RIG HOURS	
TYPE: LEASE WTR		DAILY:	4
		CUM:	35 1/2

DAILY COST SUMMARY

VENDOR	SERVICE	COST	VENDOR	SERVICE	COST
POST & MASTIN	RIG	\$450.00			
SAM'S PKR'S	REDRESS PKR	\$300.00			
PEARSON	SUPERVISION	\$270.00			
DAILY COST:					\$1,020.00
PREVIOUS COST:					\$9,968.00
COST TO DATE:					\$10,988

NORTH AMERICAN RESOURCE CO.

DAILY COMPLETION / OPERATIONS REPORT

WELL NAME: <i>Bulger 7-1</i>	REPORT DAY: <i>5</i>	OPERATIONS DATE: <i>10-16-95</i>
OBJECTIVE: <i>Injection Conversion</i>	AFE NO:	AFE AMT. \$
TD: <i>4900'</i>	PBTD: <i>4810'</i>	REPORTED BY: <i>Roger Parson</i>
CSG SIZE: <i>5 1/2" 14#</i>	TBG SIZE: <i>2 3/8" EVE 8rd Seal Tite</i>	
ANNULUS CAPACITY: <i>.0164 Bbls/ft</i>	TUBING CAPACITY:	
PERFORATIONS: <i>4768-4802</i>	FORMATION: <i>Morrow</i>	
CURRENT OPERATION: <i>Installing injection string</i>		

24 HOUR SUMMARY:

TIH w/ 2' x 2 3/8" Tbg Sub w/ Pump out Plug, 5 1/2" x 2 3/8" Perma-Lock PKr, Baker Type @ 2 3/8" on-off Tool w/ 1.75 profile, 151 its 2 3/8" EVE 8rd Tbg w/ Seal Tite Lining - Attempted to Set PKr @ 4699' - PKr would set in compression but not in tension - Worked PKr for 1/2 hrs - Still unable to Set PKr - TOOH with Tbg & PKr - Found evidence of Foreign material obstructing stroke of PKr - Shopped PKr for redress - Shut well in & SDFN

LOADS FLUIDS (m3)	WEATHER / ROADS
TOTAL LOADS: <i>183</i>	TEMP: <i>80°</i>
DAILY REC: 124	ROADS: <i>Dry</i>
TOTAL REC: <i>124</i>	
LEFT TO REC: <i>59</i>	SERVICE RIG HOURS
TYPE: <i>Lease well</i>	DAILY: <i>9</i>
	CUM: <i>44 1/2</i>

DAILY COST SUMMARY

VENDOR	SERVICE	COST	VENDOR	SERVICE	COST
<i>Paste Mastin</i>	<i>Rig</i>	<i>1000⁰⁰</i>	<i>Parson</i>	<i>Supervision</i>	<i>378⁰⁰</i>
<i>Hulliberton</i>	<i>PKr on off</i>	<i>3275⁰⁰</i>	<i>Sealtite</i>	<i>Supervision</i>	<i>250⁰⁰</i>
<i>Smith</i>	<i>Tool</i>				
<i>Grady</i>	<i>Wtr Truck</i>	<i>150⁰⁰</i>			
<i>Paste Mastin</i>	<i>Pump</i>				
DAILY COST:					<i>1778⁰⁰</i>
PREVIOUS COST:					<i>9968⁰⁰</i>
COST TO DATE:					<i>11746⁰⁰</i>

NORTH AMERICAN RESOURCE CO.

DAILY COMPLETION / OPERATIONS R REPORT

WELL NAME:	BULGER 7-1	REPORT DAY: 6	OPERATIONS DATE: 10-17-95
OBJECTIVE:	INJECTION CONVERSION	AFE NO:	AFE AMT. \$
TD: 4900'	PBTD: 4810'	REPORTED BY: ROGER PEARSON	
CSG SIZE: 5 1/2" 14#	TBG SIZE: 2 7/8" EVE 8RD SEAL TITE		
ANNULUS CAPACITY: .0164 BBLES / FT	TUBING CAPACITY: .0045 BBLES / FT		
PERFORATIONS: 4768' - 4802'	FORMATION: MORROW		
CURRENT OPERATION: INSTALLING INJECTION STRING			

24 HOUR SUMMARY:

TIH W/ 2' X 2 7/8" TBG. SUB W/ PUMP OUT PLUG, 2 7/8" X 5 1/2" PERMA LACK PKR, 2 7/8" BAKER TYPE ON - OFF TOOL W/ 1.78" PROFILE & 151 JTS 2 7/8" EVE TBG. WITH SEAL TITE LINING.

SET PKR @ 4699' - END OF TAIL PIPE @ 4704' - ON - OFF TOOL @ 4695' - RELEASED ON - OFF TOOL & POOH 5' - PLACED 16 BBLES PKR FLUID DOWN ANNULUS LET FALL TO SPOT - REINGAGED ON - OFF TOOL & LOADED ANNULUS W/ 78 BBLES (TOTAL) PKR FLUID TESTED OK @ 750#

LOADED TBG. W/ LEASE WTR (20 BBLES) - PSI TO 350# - PUMPED PUMP OUT PLUG FROM TAIL PIPE - RIGGED DOWN & RELEASED RIG.

1400 HRS MET MR. STEVE MIDDLETON OF KCC WHO WITNESSED & APPROVED 750# M.I.T.

LOADS FLUIDS (m3)		WEATHER / ROADS	
TOTAL LOADS:	203 BBLES	TEMP:	70* & WINDY
DAILY REC:		ROADS:	DRY
TOTAL REC:	124 BBLES		
LEFT TO REC:	79 BBLES	SERVICE RIG HOURS	
TYPE:	LEASE WTR	DAILY:	6
		CUM:	

DAILY COST SUMMARY

VENDOR	SERVICE	COST	VENDOR	SERVICE	COST
POST & MASTIN	RIG	\$760.00	POST & MASTIN	PUMP	\$ 200.00
BRADY	WTR TRUCK	\$350.00	DAN'S	ROUST	\$ 400.00
HALLIBURTON	PKR	\$4,500.00			
SEAL TITE	TBG. (4693')	\$13,950.00	DAILY COST:		\$20,530.00
PEARSON	SUPERVISION	\$ 370.00	PREVIOUS COST:		\$11,746.00
			COST TO DATE:		\$32,276.00