



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1213784  
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: \_\_\_\_\_

1213784

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
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<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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	PANNING 2-19 SWD
Doc ID	1213784

All Electric Logs Run

Microlog
Sonic Log
Comp DEN/NEU
DIL

## MICHAEL POLLEY OILFIELD CONSULTING, INC.

9223 LAKEVIEW RD

CELL 719-342-5600

TRINIDAD, COLO. 81082

OFFICE 719-846-3434

Panning #2-19 SWD

Completion Report

### **6/6/2012**

MIRU Log Tech of Kansas WL. RIH w/GR/CCL/CBL log tools. Log TD 3,573'. Logged fr/3,572' to 2,342'. Est TOC @ 2,576'. Pulled collar strip across Port Collar @ 802'. RDMO WL.

### **6/8/2012**

MIRU Pratt Well Service. Unload 64 jts Blue band & 53 jts Green band 2-7/8" tbg, all fr/Loeb yard in Great Bend. TIH w/Port Collar shifting tool & tbg. MIRU Basic Energy Services. Open Braden head vlv. Had approx 1/8 bbl/min flow of very salty wtr. PT csg to 500 psi. Tstd OK. Opn Port Collar. Estb circ. Mixed & ppd 72 bbl (350 sks) 60/40 Poz w/6% gel mixed @ 13.2 ppg . 1.6 yld. Got good cmt to surface w/66 bbbs ppd. Displ w/2.5 bbbs wtr. Ppd 8.5 bbbs good cmt to pit. Closed Port Collar. PT csg to 500 psi. Tstd OK. TIH w/4 jts tbg, EOT @ 936'. Rev cln w/40 bbl wtr. Opn Braden head vlv. 5-1/2" csg annulus on a vac. TOH w/tbg & Port Collar shifting tool. Loaded 5-1/2" csg w/fresh wtr. SWI. SDFWE.

### **6/11/2012**

MIRU Log Tech of Kansas WL. RIH w/GR/CCL/CBL tool. Ran jCBL fr/900' to surface. Est TOC @ 94'. RDMO WL. TIH w/new 4-3/4" bit, bit sub & 2-7/8" tbg. Tgd plg @ 3,573'. MIRU Kansas Fishing Tools rev unit & swivel. Start to drill out plg. SD 1 1/2 hrs to replace broken bail pin on swivel. Drill out remaining plg, baffle, shoe jt & pkr shoe @ 3,598'. Circ cln. Con to TIH w/tbg. Drill out intermittent bridges fr/3,710' to RTD @ 3,800'. Circ cln w/110 bbl cln lease wtr. RDMO rev unit. TOH w/10 jts tbg. EOT @ 3,491'. SWI. SDFN.

### **6/12/2012**

TOH w/tbg & BHA. TIH w/jetted wash tool & tbg to 3,800'. MIRU Pro Stim Acid. Loaded hole w/22 bbl prod wtr. Ppd total of 4,000 gal 20% Hcl/Fe/NE acid. Job as follows. Spotted 150 gal acid. Dropped ball for wash tool. Washed open hole fr/3,800' to pkr shoe @ 3,598'. Displ w/22 bbl wtr dwn tbg. Ld a total of jts tbg. EOT @ 3,585'. Ppd 200 bbl dwn TCA @ 4.5 BPM & did not catch press. RDMO pmp trk. Hooked frac tnk to TCA. Injection rate 1 BPM on a vac while sucking air around worn stripper rubber. Total overflush of job 470 bbl prod wtr.

### **6/13/2012**

TOH w/tbg & wash tool. Duoline tbg looked questionable. Decided to have Great Plains inspect it prior to running in well. SWI w/1 jt 2-7/8" tbg. RDMO Pratt Well Service.

**6/25/2012**

MIRU Pratt Well Service. TIH w/2-3/8" X 2.30' long tail pipe, lined Model G pkr w/Sealtite connection to 2-3/8" X 2-7/8" swadge w/Duoline connection on top. TIH w/114 jts inspected 2-7/8" Duoline tbg. SWI w/pkr hanging @ 3,548'.

**6/26/2012**

TIH w/1 jt 2-7/8" Duoline tbg. MIRU Pro Stim pmp trk. Ppd 50 bbl fresh wtr w/pkr fluid. Set pkr @ 3,575' w/EOT @ 3,578'. Ppd 6 bbls fresh wtr w/pkr fluid & press to 300 psi. SI for 30 min w/0 psi press loss. Witnessed by Mr. Bruce Rodie w/the KCC. Ppd remaining wtr dwn tbg @ 3 BPM @ 30 psi. RDMO pmp trk. RDMO Pratt Well Service.



44481 Co Rd Q  
PO Box 792  
Cheyenne Wells, Co 80810

Shane: 719-340-8987  
Fax: 719-767-5482  
E-mail address: spelton62@yahoo.com

**SHANE PELTON**

Herman L Loeb LLC Panning #3-19  
Casings & Cementing Report

5/21/12

10:30 pm

RIH w/ 3598' (Formation packer shoe, 64 jts, Port Collar & 18jts ) all 5 1/2" 15.5# new Hyunda ( API ) J 55 casing ( Smith Supply ) w/ 10 centralizers, 2 Baskets, Land csg @ 3598' circulate for 1 1/2 hrs, RU Basic Services, cement w/ 5 bbl fresh water, 24 bbl mud flush, 5 bbl H2O spacer, 200 sks 50/50 poz w/ 2% gel 5% kcl 5 % calseal ( 14# PPG ) shut down clear pump & line, drop L.D. plug. Start displacement pump 85.3 bbl plug down 1500#s release psi, float holds . Good Returns throughout job. Plug R.H. w 30 sks & M.H. w/ 20 sks. w/ 50/50 poz. Job complete 3:30 am.

Centralizers: Jts #1,3,5,15,20,25,30,35,62,70

Baskets: Jts # 5 & 62

Port Collar : 793'



PAGE 1 of 1	CUSTOMER NO 1007589	INVOICE DATE 05/22/2012
INVOICE NUMBER 1718 - 90910834		

Pratt (620) 672-1201  
 B HERMAN L LOEB LLC  
 I PO Box: 838  
 L LAWRENCEVILLE  
 IL US 62439  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Panning SWD 2-19  
 O LOCATION  
 B COUNTY Barton  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40466373	19843		Net - 30 days	06/21/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/21/2012 to 05/21/2012</i>				
0040466373			<b>PAID</b> 30298 MAY 31 2012	
<b>SCANNED</b>				
171806265A Cement-New Well Casing/Pi 05/21/2012 Cement 5 1/2" Longstring with Port Collar				
50/50 POZ	250.00	BAG	8.80	2,199.92 T
Celloflake	63.00	EA	2.96	186.47 T
Gypsum	1,055.00	EA	0.60	632.98 T
FLA-322	106.00	EA	6.00	635.98 T
Gilsonite	1,507.00	EA	0.54	807.72 T
KCL, Potassium Chloride	569.00	EA	1.20	682.77 T
Mud Flush	1,000.00	EA	0.69	687.97 T
"5 1/2" Port Collar "	1.00	EA	2,799.90	2,799.90
"Latch Down Plug & Baffle, 4 1/2" (Blu	1.00	EA	319.99	319.99
"Cmt. Shoe Packer Type, 5 1/2" (Red)"	1.00	EA	2,959.90	2,959.90
"Turbolizer, 5 1/2" (Blue)"	10.00	EA	88.00	879.97
"5 1/2" Basket (Blue)"	2.00	EA	231.99	463.98
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	3.40	169.99
Heavy Equipment Mileage	150.00	MI	5.60	839.97
"Proppant & Bulk Del. Chgs., per ton mil	528.00	EA	1.28	675.81
Depth Charge; 3001-4000'	1.00	EA	1,727.94	1,727.94
Blending & Mixing Service Charge	250.00	BAG	1.12	279.99
Plug Container Util. Chg.	1.00	EA	199.99	199.99
"Service Supervisor, first 8 hrs on loc.	1.00	EA	139.99	139.99

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	17,291.23
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	425.87
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	17,717.10
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

104046630  
FIELD SERVICE TICKET

1718 06265 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>5-21-2012</u> DISTRICT <u>PRATT, KS.</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER <u>HERMAN LOEB LLC</u>		LEASE <u>PANNING SWD</u> WELL NO. <u>2-19</u>								
ADDRESS _____		COUNTY <u>BARTON</u> STATE <u>Ks.</u>								
CITY _____ STATE _____		SERVICE CREW <u>LESLEY, MARQUEZ, PHUJ</u>								
AUTHORIZED BY _____		JOB TYPE: <u>CNW-5 1/2" L.S. W/ PORT COLLAR</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>37586</u>	<u>5.5</u>						<u>5-20-12</u>			<u>7:00</u>
<u>19889-19843</u>	<u>5.5</u>					ARRIVED AT JOB	<u>5</u>			<u>10:00</u>
<u>19900-19918</u>	<u>5.5</u>					START OPERATION	<u>5-21-12</u>			<u>12:30</u>
						FINISH OPERATION	<u>5-21-12</u>			<u>3:00</u>
						RELEASED	<u>5-21-12</u>			<u>3:30</u>
						MILES FROM STATION TO WELL				<u>50</u>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CP 104	50/50 POZ	SK	200		2,200.00	
CP 104	50/50 POZ	SK	50		550.00	
CC 102	CELL-FLAKE	lb	63		233.10	
CC 113	GYP SUM	lb	1055		791.25	
CC 129	FLA-322	lb	106		795.00	
CC 201	GILSONITE	lb	1507		1,009.69	
C 700	KCL, POTASIAM CHLORIDE	lb	569		853.50	
CF 481	PORT COLLAR, 5 1/2"	EA	1		3,500.00	
CF 607	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1		400.00	
CF 1001	CEMENT PACKER SHOE, 5 1/2"	EA	1		3,700.00	
CF 11651	TURBOLIZER, 5 1/2"	EA	10		1,100.00	
CF 1901	BASKET, 5 1/2"	EA	2		580.00	
CC 151	MUD FLUSH	GAL	1000		860.00	
E 100	PICKUP MILEAGE	MI	50		212.50	
E 101	HEAVY EQUIPMENT MILEAGE	MI	150		1,050.00	
E 113	BULK DELIVERY CHARGE	TM	528		844.00	
CE 264	DEPTH CHARGE, 3000'-4000'	HR	1-4		2,160.00	
CE 240	BLENDING SERVICE CHRG.	SK	250		350.00	
CE 504	PLUG CONTAINER CHARGE	JOB	1		250.00	
S 003	SERVICE SUPERVISOR	EA	1	\$175.00		
					SUB TOTAL	17,291.23
CHEMICAL / ACID DATA:						
SERVICE & EQUIPMENT					%TAX ON \$	
MATERIALS					%TAX ON \$	
					TOTAL	

SERVICE REPRESENTATIVE <u>Lesley</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO. _____	



Customer	HERMAN LOEB LLC	Lease No.		Date	5-21-2012	
Lease	PANNING	Well #	2-19 SWD			
Field Order #	00065	Station	PRATT, KS.	Casing	5 1/2"	Depth
Type Job	CNW-5 1/2" L.S. W/PORT COLLAR		Formation	TD-3800'	County	BARTON
					State	Ks.
					Legal Description	19-20-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	5 1/2 x 15.5	Shots/Ft	CMT -	Acid	200 SK 50/50 P02	RATE	PRESS	ISIP
Depth	3007'	From		Pre Pad	@ 1.35 CU FT	Max		5 Min.
Volume	85.8 BBL	From		Pad		Min	51 - 22.06'	10 Min.
Max Press	1500	From		Frac		Avg		15 Min.
Well Connection	P.C.	From				HHP Used		Annulus Pressure
Plug Depth	3584'	From		Flush	85.3 BBL	Gas Volume		Total Load

Customer Representative	A. PAYNE	Station Manager	D. SCOTT	Treater	K. LESLEY
Service Units	37586	19889	19892	19960	19918
Driver Names	LESLEY	MARQUEZ	PHYE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00 PM					ON LOCATION - SAFETY MEETING
10:45 PM					RUN 82 JTS. 5 1/2" x 15.5" CSG.
					CENT. - 1, 3, 5, 15, 20, 25, 30, 35, 62, 70
					BASK - 5 62
					PORT COLLAR - 64 / PACK. SHOE #1
12:30 AM					CSG. ON BOTTOM
12:45 AM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
2:15 AM	300		5	6	H2O AHEAD
2:17 AM	300		24	6	MUD FLUSH
2:21 AM	250		5	6	H2O SPACER
2:30 AM	200		48	6	MIX 200 SKS. 50/50 P02 @ 14.0 PPG
2:35 AM					SHUT DOWN - CLEAR PUMP & LINE - DROP L.D. PLUG
2:37 AM	0		0	7	START DISPLACEMENT
2:41 AM	200		52	6	LIFT PRESSURE
2:48 AM	500		75	5	SLOW RATE
2:50 AM	1500		85.3	4	PLUG DOWN - HELD
					CIRC. THRU JOB
3:05 AM			6.4		PLUG R.H. & M.H.
					JOB COMPLETE,
					THANKS,
					KEVEN LESLEY