

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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--



802 N. Industrial Rd.  
P.O. Box 664  
Iola, Kansas 66749  
Phone: (620) 365-5588

# Payless Concrete Products, Inc.



**CONDITIONS**

Concrete to be delivered to the nearest accessible point over passable road, under truck's own power. Due to delivery at owner's or intermediary's direction, seller assumes no responsibility for damages in any manner to sidewalks, roadways, driveways, buildings, trees, shrubbery, etc., which are at customer's risk. The maximum allotted time for unloading trucks is 5 minutes per yard. A charge will be made for holding trucks longer. This concrete contains correct water contents for strength or mix indicated. We do not assume responsibility for strength test when water is added at customer's request. Contractor must provide place for truck to wash out. A \$30 charge will be added per truck if contractor does not supply a place to wash truck out. Tow charges are buyers responsibility.

**NOTICE TO OWNER**

Failure of this contractor to pay those persons supplying material or services to complete this contract can result in the filing of a mechanic's lien on the property which is the subject of this contract.

SOLD TO:

PE002  
PETROLEUM RESOURCE MANAGEMENT CO.  
733 HIGHGROVE PARK

SHIP TO:

HAMMOND LEASE: 49-18  
180TH & QUAIL  
PIQUA KS  
54 W TO QUAIL N 6 1/2 MI (PAST RR TRACKS W SD) JUST S OF TANKS

HOUSTON TX 77024

TIME	FORMULA	LOAD SIZE	YARDS ORDERED	DRIVER/TRUCK	% AIR	PLANT/TRANSACTION #	
9:09 AM	WELL	14.00	14.00	LE 36		WOODCO	
DATE	PO NUMBER	LOAD #	YARDS DEL.	BATCH#	WATER TRIM	SLUMP	TICKET NUMBER
7/3/18		1	14.00	10	0.00	4.00 in	44690

**WARNING**

**IRRITATING TO THE SKIN AND EYES**

Contains Portland Cement. Wear Rubber Boots and Gloves. PROLONGED CONTACT MAY CAUSE BURNS. Avoid Contact With Eyes and Prolonged Contact With Skin. In Case of Contact With Skin or Eyes, Flush Thoroughly With Water, If Irritation Persists, Get Medical Attention. KEEP CHILDREN AWAY.

CONCRETE is a PERISHABLE COMMODITY and BECOMES the PROPERTY of the PURCHASER UPON LEAVING the PLANT. ANY CHANGES OR CANCELLATION of ORIGINAL INSTRUCTIONS MUST be TELEPHONED to the OFFICE BEFORE LOADING STARTS.

The undersigned promises to pay all costs, including reasonable attorneys' fees, incurred in collecting any sums owed.

All accounts not paid within 30 days of delivery will bear interest at the rate of 24% per annum.

Not Responsible for Reactive Aggregate or Color Quality. No Claim Allowed Unless Made at Time Material is Delivered.

A \$30 Service Charge and Loss of the Cash Discount will be collected on all Returned Checks.

Excess Delay Time Charged @ \$60/HR.

**PROPERTY DAMAGE RELEASE**  
(To be signed if delivery to be made inside curb line)

Dear Customer-The driver of this truck in presenting this RELEASE to you for your signature is of the opinion that the size and weight of his truck may possibly cause damage to the premises and/or adjacent property if it places the material in this load where you desire it. It is our wish to help you in every way that we can, but in order to do this the driver is requesting that you sign this RELEASE relieving him and this supplier from any responsibility from any damage that may occur to the premises and/or adjacent property, buildings, sidewalks, driveways, curbs, etc., by the delivery of this material, and that you also agree to help him remove mud from the wheels of his vehicle so that he will not litter the public street. Further, as additional consideration, the undersigned agrees to indemnify and hold harmless the driver of this truck and this supplier for any and all damage to the premises and/or adjacent property which may be claimed by anyone to have arisen out of delivery of this order.

X \_\_\_\_\_

**Excessive Water is Detrimental to Concrete Performance**  
H<sub>2</sub>O Added By Request/Authorized By

0 GAL X \_\_\_\_\_

WEIGHMASTER

NOTICE: MY SIGNATURE BELOW INDICATES THAT I HAVE READ THE HEALTH WARNING NOTICE AND SUPPLIER WILL NOT BE RESPONSIBLE FOR ANY DAMAGE CAUSED WHEN DELIVERING INSIDE CURB LINE.

LOAD RECEIVED BY:

X \_\_\_\_\_

QUANTITY	CODE	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
14.00	WELL	WELL (10 SACKS PER UNIT)	14.00	
1.75	TRUCKING	TRUCKING CHARGE	2.50	
14.00	MIX&HAUL	MIXING AND HAULING	14.00	
				\$1330.00
				\$105.00

RETURNED TO PLANT	LEFT JOB	FINISH UNLOADING	DELAY EXPLANATION/CYLINDER TEST TAKEN	TIME ALLOWED
11:06	10:37	10:25	1. JOB NOT READY 2. SLOW POUR OR PUMP 3. TRUCK AHEAD ON JOB 4. CONTRACTOR BROKE DOWN 5. ADDED WATER 6. TRUCK BROKE DOWN 7. ACCIDENT 8. CITATION 9. OTHER	% TAX 7.50
LEFT PLANT	ARRIVED JOB	START UNLOADING		TIME DUE
9:50	10:00	10:05		
TOTAL ROUND TRIP	TOTAL AT JOB	UNLOADING TIME		DELAY TIME
1.75				

ADDITIONAL CHARGE 1 \_\_\_\_\_

ADDITIONAL CHARGE 2 \_\_\_\_\_

GRAND TOTAL ▶ \$1542.63

802 N. Industrial Rd.  
P.O. Box 664  
Iola, Kansas 66749  
Phone: (620) 365-5588

# Payless Concrete Products, Inc.



**CONDITIONS**

Concrete to be delivered to the nearest accessible point over passable road, under truck's own power. Due to delivery at owner's or intermediary's direction, seller assumes no responsibility for damages in any manner to sidewalks, roadways, driveways, buildings, trees, shrubbery, etc., which are at customer's risk. The maximum allotted time for unloading trucks is 5 minutes per yard. A charge will be made for holding trucks longer. This concrete contains correct water contents for strength or mix indicated. We do not assume responsibility for strength test when water is added at customer's request. Contractor must provide place for truck to wash out. A \$30 charge will be added per truck if contractor does not supply a place to wash truck out. Tow charges are buyers responsibility.

**NOTICE TO OWNER**

Failure of this contractor to pay those persons supplying material or services to complete this contract can result in the filing of a mechanic's lien on the property which is the subject of this contract.

SOLE TO: PE002 HAMMOND LEASE: 39-18 & 49-18  
PETROLEUM RESOURCE MANAGEMENT CO. 100TH & QUAIL  
733 HIGHGROVE PARK PIQUA KS  
HOUSTON TX 77024 54 W TO QUAIL N 6 1/2 MI (PAST RR TRACKS W SD) JUST S OF TANKS

TIME	FORMULA	LOAD SIZE	YARDS ORDERED	DRIVER/TRUCK	PLANT/TRANSACTION #	
9:15 AM	WELL	14.50	14.50	34	W0000	
DATE	LOAD #	YARDS DEL	BATCH#	WATER TRIM	SLUMP	TICKET NUMBER
6/29/18	1	14.50	6	0.00	4.00 in	44656

**WARNING**  
**IRRITATING TO THE SKIN AND EYES**  
Contains Portland Cement. Wear Rubber Boots and Gloves. PROLONGED CONTACT MAY CAUSE BURNS. Avoid Contact With Eyes and Prolonged Contact With Skin. In Case of Contact With Skin or Eyes, Flush Thoroughly With Water. If Irritation Persists, Get Medical Attention. KEEP CHILDREN AWAY.

CONCRETE is a PERISHABLE COMMODITY and BECOMES the PROPERTY of the PURCHASER UPON LEAVING the PLANT. ANY CHANGES OR CANCELLATION of ORIGINAL INSTRUCTIONS MUST be TELEPHONED to the OFFICE BEFORE LOADING STARTS.

The undersigned promises to pay all costs, including reasonable attorneys' fees, incurred in collecting any sums owed.

All accounts not paid within 30 days of delivery will bear interest at the rate of 24% per annum.

Not Responsible for Reactive Aggregate or Color Quality. No Claim Allowed Unless Made at Time Material is Delivered.

A \$30 Service Charge and Loss of the Cash Discount will be collected on all Returned Checks.

Excess Delay Time Charged @ \$60/HR.

**PROPERTY DAMAGE RELEASE**  
(TO BE SIGNED IF DELIVERY TO BE MADE INSIDE CURB LINE)

Dear Customer-The driver of this truck in presenting this RELEASE to you for your signature is of the opinion that the size and weight of his truck may possibly cause damage to the premises and/or adjacent property if it places the material in this load where you desire it. It is our wish to help you in every way that we can, but in order to do this the driver is requesting that you sign this RELEASE relieving him and this supplier from any responsibility for any damage that may occur to the premises and/or adjacent property, buildings, sidewalks, driveways, curbs, etc., by the delivery of this material, and that you also agree to help him remove mud from the wheels of his vehicle so that he will not litter the public street. Further, as additional consideration, the undersigned agrees to indemnify and hold harmless the driver of this truck and this supplier for any and all damage to the premises and/or adjacent property which may be claimed by anyone to have arisen out of delivery of this order.

X \_\_\_\_\_

**Excessive Water is Detrimental to Concrete Performance**  
H<sub>2</sub>O Added By Request/Authorized By \_\_\_\_\_ GAL X

WEIGHMASTER \_\_\_\_\_

LOAD RECEIVED BY: X *[Signature]*

**NOTICE: MY SIGNATURE BELOW INDICATES THAT I HAVE READ THE HEALTH WARNING NOTICE AND SUPPLIER WILL NOT BE RESPONSIBLE FOR ANY DAMAGE CAUSED WHEN DELIVERING INSIDE CURB LINE.**

QUANTITY	CODE	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
14.50	WELL	WELL (10 SACKS PER UNIT)	14.50	
1.75	TRUCKING	TRUCKING CHARGE	2.50	
14.50	MIX&HAUL	MIXING AND HAULING	14.50	

\$1015.00  
\$362.50  
\$105.00  
\$111.19

RETURNED TO PLANT	LEFT JOB	FINISH UNLOADING	DELAY EXPLANATION/CYLINDER TEST TAKEN	TIME ALLOWED
11:24	10:55	10:39	1. JOB NOT READY 2. SLOW POUR OR PUMP 3. TRUCK AHEAD ON JOB 4. CONTRACTOR BROKE DOWN 5. ADDED WATER 6. TRUCK BROKE DOWN 7. ACCIDENT 8. CITATION 9. OTHER	% TAX 7.50
LEFT PLANT	ARRIVED JOB	START UNLOADING		TIME DUE
9:45	10:12	10:20		
TOTAL ROUND TRIP	TOTAL AT JOB	UNLOADING TIME		DELAY TIME
1.75				

ADDITIONAL CHARGE 1 \_\_\_\_\_

ADDITIONAL CHARGE 2 \_\_\_\_\_

**GRAND TOTAL** ▶ \$1593.69

## Geological Report

**Hammond E. #49-18**  
1810' FNL; 1800' FEL  
Sec. 8, T24S, R16E  
Woodson County, Kansas  
7/6/2018

**Operator:** Petroleum Resource Management Company  
733 Highgrove Park  
Houston, Texas 77024

**Drilling Contractor:** Leis Oil Services, Matt Leis, driller

**Well-site Geologist:** Julie Shaffer  
480 Fox Rd  
Toronto, Kansas 66777

**Dates Drilled:** July 2, 2018

**Size Hole:** 5 7/8"

**Total Depth:** 1102'

**Elevation:** 1056' (est.)

**Drilling Fluid:** Mud

**Surface Casing:** 42' of 7"

**Electric Logs Run:** CDL-CNL-DIL-TEMP.

**Formation Tops:** Formation tops were picked in the field and taken from sample bags

**Rock Color Desc.:** GSA rock color chart (dry cuttings)

**Status:** **OIL WELL**

**Gas Shows:** N/A

**Oil Shows:**

Upper Squirrel Sandstone	1002-1006'	Poor
Upper Squirrel Sandstone	1006-1008'	Good
Upper Squirrel Sandstone	1008-1010'	Fair
Lower Squirrel Sandstone	1042-1050'	Poor to Fair

**Notes:** Well cuttings were collected and bagged at the drill rig by the drillers. Samples of the select zones of interest were saved and reviewed in the laboratory under the black light and microscope.

- 0-994' Samples not examined
- 994-1002' Siltstone, white to very light gray, well cemented, tight, ~998' siltstone has very faint uniform pale yellow oil staining, mottled to uniform moderately-bright pale yellowish-green hydrocarbon fluorescence, minor loose chips of limestone

**Top of the Upper Squirrel Sandstone @ 1002' (+54')**

- 1002-1006' Sandstone, moderately-dark yellowish-brown oil stained cuttings some with water washed appearance, good saturation some mottling, very fine grain, sub-rounded to round grains, well sorted, hi sphericity quartz, silty, minor mica, 14-16% porosity, friable, good petroliferous odor, uniform bright yellow hydrocarbon fluorescence, weak acid reaction
- 1006-1010' Sandstone, dark yellowish-brown oil stained cuttings, excellent saturation 1006-1008 then saturation becomes good but mottled, very fine grain, sub-rounded to round grains, well sorted, hi sphericity quartz, minor silt, minor mica, 18-20% porosity, highly friable, strong petroliferous odor, mottled pale to moderate brownish-yellow hydrocarbon fluorescence, no acid reaction
- 1010-1014' Sandstone, light gray, very fine grain, sub-rounded to round grains, abundant siltstone, friable, shaley, abundant mica, no petroliferous odor, no oil show, no fluorescence
- 1014-1042' Samples not examined

**Top of the Lower Squirrel Sandstone @ 1042' (+14')**

- 1042-1050' Sandstone, mottled dark brown to black oil stained cuttings, good saturation with some mottling, fine grain, sub-angular to sub-rounded grains, moderately sorted, medium sphericity quartz, silty, micaceous, 16-18% porosity, friable, strong petroliferous odor, heavily mottled to uniform bright yellowish-green with speckled yellowish-white hydrocarbon fluorescence, fair acid reaction (minor calcitic cementation)
- 1050-1064' Sandstone, light gray, very fine grain, sub-rounded to round grains, silty, shaley, micaceous, friable, minor mottled very pale yellowish-brown and lightly speckled black oil staining, speckled bright yellow hydrocarbon fluorescence, no acid reaction
- 1064-1066' Sandstone, medium gray, silty, micaceous, well cemented, slight hydrocarbon odor, no oil show, no fluorescence
- 1066-1102' Samples not examined

**T.D. = 1102'**

---

**Julie Shaffer**  
**Geologist**