

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

ORIGINAL

Operator: License # 32193

Name: PIONEER NATURAL RESOURCES USA INC.

Address 14000 QUAIL SPRINGS PARKWAY

SUITE 5000 CONFIDENTIAL

City/State/Zip OKLA. CITY, OK 73134-2600

Purchaser: PIONEER NATURAL RESOURCES USA INC.

Operator Contact Person: TOMMY D. ROYAL

Phone (405) 749-1780

Contractor: Name: CHEYENNE DRILLING, INC.

License: 5382

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion (Replacement)  
 New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10/3/97 10/7/97 1/17/98  
Spud Date Date Reached TD Completion Date

API NO. 15- 081-21143-0000

County HASKELL

APX 70 W C W/2

Sec. 11 Twp. 29S Rge. 34  E  W

2640 Feet from SN (circle one) Line of Section

4030 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name WRIGHT Well # 3-11R

Field Name PANOMA

Producing Formation COUNCIL GROVE

Elevation: Ground 2963' KB 2969'

Total Depth 3009' PBTD 2960'

Amount of Surface Pipe Set and Cemented at 818 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 cnt.

Drilling Fluid Management Plan ACT 1 DPW  
(Data must be collected from the Reserve Pit) 4-16-98

Chloride content 1000 ppm Fluid volume 3000 bbls

Dewatering method used EVAPORATION / BACKFILL

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name KCC

Lease Name FEB 12 License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature Tommy Royal  
Title SR. OPERATIONS ENGINEER Date 2/14/98

Subscribed and sworn to before me this 12th day of February.

Notary Public Carrie B. Turner

Date Commission Expires SEPTEMBER 2, 2000

2-17-98  
K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  NGPA  
 KGS  Plug  Other (Specify)

Operator Name PIONEER NATURAL RESOURCES USA INC Lease Name WRIGHT Well # 3-11R

Sec. 11 Twp. 29S Rge. 34  East  West County HASKELL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:  
DUAL INDUCTION LOG; NEUTRON DENSITY LOG;  
MICROLOG; CEMENT BOND LOG

Name	Top	Datum
HERRINGTON	2514'	
KRIDER	2544'	
WINFIELD	2614'	
TOWARDS	2676'	
FT. RILEY	2735'	
WREFORD	2826'	
COUNCIL GROVE	2850'	
FUNSTON	2914'	
CROUSE	2940'	
BADER	2972'	

CASING RECORD <input checked="" 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
SURFACE	12-1/4"	8-5/8"	24#	818'	Class C Lite	245	2%cc+1/4# floccle
					Class C Prem	150	2%cc+1/4# floccle
PRODUCTION	7-7/8"	5-1/2"	15.50#	3006'	Class C	430	2%cc+1/4# floccle

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2870'-2886' COUNCIL GROVE	Acidize w/2000 gals HCl	2870'-2886'
		Frac w/66000# 16/30 Sand +	
		237800 gals N <sub>2</sub>	

TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes	No
	2-3/8"	2891'			<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date of First, Resumed Production, SWD or Inj.	Producing Method	Flowing	Pumping	Gas Lift	Other (Explain)
1-26-98		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	167	36		

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval: 2870'-2886'



**JOB SUMMARY** 4239-1

TICKET #	TICKET DATE
231856	10-3-97

REGION North America	NWA/COUNTRY O.S.A.	BDA / STATE KANSAS	COUNTY HASKELL
MBU ID / EMP # LEOLOS D-4360	EMPLOYEE NAME ROBERT FLURCOO	PSL DEPARTMENT 5001 CMT	
LOCATION CENTRAL KANSAS	COMPANY Pioneer Natural Resources	CUSTOMER REP / PHONE MERRY HALLIBURTON	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION W. SATANTA KANSAS	DEPARTMENT 5001 CMT	JOB PURPOSE CODE 010	
LEASE / WELL # WRIGHT 3-11 R	SEC / TWP / RNG 11 29 S. 34 W.		

**ORIGINAL**

HES EMP NAME/EMP#(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) :HRS
S. RAEBER H3377	L. POTTERSON H8786		
B. ORELY	STAN QUINN		

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HES UNIT NUMBERS	F/T MILES	HES UNIT NUMBERS	F/T MILES	HES UNIT NUMBERS	F/T MILES	HES UNIT NUMBERS	F/T MILES
38242 P.U.	86						
52822-75874	86						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	10-3-97	10-3-97	10-3-97	10-4-97
TIME	11:00	13:30	02:07	17:55

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar Insert/Fill	1	H
Guide Shoe	1	W
Centralizers	4	C
Bottom Plug		H O
Top Plug	1	O
Head	1	O
Packer	1	C
Other	1	O

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 3/8	K.A	817	
Liner						
Open Hole			12 1/4	G.L	817	SHOTS/FT.

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Peripac Balls	Qty.	

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				8 3/8 SURFACE
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_

TREATED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_ Overall \_\_\_\_\_

FEET 46.19 CEMENT LEFT IN PIPE \_\_\_\_\_ Reason \_\_\_\_\_ SHOE JOINT

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	245	PP.HLC	B	2% C.C., 1/4% FRAC	1.87	12.7
	150			2% C.C., 1/4% FRAC	1.82	14.8

Circulating Breakdown	Displacement	Prelush:	Gal - BBI	Type
Average	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	Frac Gradient	Treatment	Gal - BBI	Disp: BBI Gal 49
	5 Min	Cement Slurr	Gal - BBI	
	15 Min	Total Volume	Gal - BBI	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_



**JOB LOG** 4239-5

TICKET # <b>231856</b>	TICKET DATE <b>10-3-97</b>
BDA / STATE <b>KANSAS</b>	COUNTY <b>HASKELL</b>
PSL DEPARTMENT <b>SOOL CNT</b>	CUSTOMER REP / PHONE <b>MONTH USE ETC</b>
API / UWI #	JOB PURPOSE CODE <b>010</b>
WELL LOCATION <b>N SARANTA KANSAS</b>	DEPARTMENT <b>SOOL CNT</b>
LEASE / WELL # <b>WRIGHT 311 R</b>	SEC / TWP / RNG <b>11 29 S 34 W</b>

REGION <b>North America</b>	NWA/COUNTRY <b>USA</b>
WBU ID / EMP # <b>LEWIS D-4360</b>	EMPLOYEE NAME <b>ROBERT EDWARDS</b>
LOCATION <b>LIBERAL KANSAS</b>	COMPANY <b>MANAGER NATURAL RESOURCES</b>
TICKET AMOUNT	WELL TYPE <b>OR</b>
WELL LOCATION <b>N SARANTA KANSAS</b>	DEPARTMENT <b>SOOL CNT</b>
LEASE / WELL # <b>WRIGHT 311 R</b>	SEC / TWP / RNG <b>11 29 S 34 W</b>

ES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
<b>S. RAJES H 3377</b>			
<b>L. PATTERSON H 286</b>			
<b>R. OBLEY</b>			

**ORIGINAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tsq	Csq	
10-3-97	1100							Called out Ready 15:00
	1330							ON LOC Rig Rigging Up
	1400							SPUD
	1940							T.O.
	1900							Trip out of hole
	2210							START Csg
	2300							Hook to Halliburton Casing, Plugger
	2207	.5	1			3000		Pump
	2225					0		Release
	2300							LAY DOWN Csg To Run Magnet
10-4-97	1000							Magnet out of hole
	1130							START Csg
	12:50							2 JARVIS in would not go LAY DOWN Csg
	13:15							Trip in hole with Drill Bit
	15:15							LAY DOWN Drill Pipe
	15:50							OUT OF HOLE
	16:05							START Csg
	1700							Csg on Bottom
	1715							Circulate with Csg
	1717							Hook to HALLIBURTON
1720	6.7	81.6			175		START LEAD CNT @ 12.2 #/gal	
1730	5.8	35.25			175		START TAIL CNT @ 14.8 #/gal	
1732					VAR		SHUT DOWN	
1739					VAR		Hook Swiper Top Plug	
1739	4.9	49.88			VAR		START HOE Displacement WASH PUMPSE CUES	
1749					350		Plug Down	
1750					1400		RELEASE BACK FRONT HOLDING	
17:55					0		Job Complete	

**CONFIDENTIAL**

**KGC**

**FEB 12**

**CONFIDENTIAL**

Circulated to AT ✓  
BBLs 13  
SKS 40

THANK YOU FOR OILING  
HALLIBURTON  
ROBERT & CREW

RECEIVED  
STATE OF KANSAS COMMISSION

FEB 17 1998

CONSERVATION DIVISION  
Haskell Kansas

REGION North America	NWAC COUNTRY Mid Continent	SDA / STATE KS	COUNTY Haskell
MBU ID / EMP # L10101 63601	EMPLOYEE NAME D. McKane	PSL DEPARTMENT Cement	
LOCATION Liberal	COMPANY Pioneer Natural Resources	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION Land	DEPARTMENT Cement	JOB PURPOSE CODE 035	
LEASE / WELL # Wright 3-11R	SEC / TWP / RING N 29S 34W		

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS
E McDonald H9285			
S Owens J2208			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420045	76						
52997-75496	76						
50737-5742	66						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	10-6-97	10-6-97	10-7-97	10-7-97
TIME	1300	1500	0610	

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY	MAKE	
Float Collar 5 1/2	1	H	
Float Shoe			
Guide Shoe Reg 5 1/2	1	O	
Centralizers 5 1/2	13		
Bottom Plug		W	
Top Plug 5 1/2	1		
Head 5 1/2	1	C	
Packer			
Other		O	

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	W	15.5	3 1/2	KB	3007.65	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations	CONFIDENTIAL					
Perforations						
Perforations						

MATERIALS			
	Density	Lb/Gal	
Treat Fluid			
Disp. Fluid			
Prop. Type	Size	Lb.	
Prop. Type	Size	Lb.	
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perpac Balls	Qty.		
Other			
Other			
Other			
Other			

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
		KCC		See Job Log
		FEB 10		
		CONFIDENTIAL		
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER		
ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN GPM	
	Disp.	Overall
FEET	44.81	CEMENT LEFT IN PIPE
		Reason

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	230	MidCon P+	B	2% C.C 1/4" Flacole	2.54	11.8
	200	Prem Plus	B	1/4" Flacole 410% S-WCA 5/10% Halod-322	4.32	19.8

Circulating Breakdown	Displacement	Preflush:	Gal - BBI	HLCType
Average	Maximum	Load & Bkdn:	Gal - BBI	STATE ( ) Pad: BBI - Gal
Shut In: Instant	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal 70.5
	5 Min	Cement Slurr	Gal - BBI	661/051 T.C 4.7
	15 Min	Total Volume	Gal - BBI	FEB 17 1998

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE *Marty McKeon*

JOB LOG 4239-3

REGION North America	NW/COUNTRY Mid Continent	254716	RDA / STATE KS	COUNTY Harrell
MBU ID / EMP # 110101 G3601	EMPLOYEE NAME D. McKane		PSL DEPARTMENT Cement	
LOCATION Liberal	COMPANY Pioneer Natural Resources		CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02		API / UWI #	
WELL LOCATION Land	DEPARTMENT Cement		JOB PURPOSE CODE 035	
LEASE / WELL # Wright 7-11 R	SEC / TWP / RNG 11 29S 34W			

RES #	NAME	EMP #	EXPOSURE HOURS	RES #	NAME	EMP #	EXPOSURE HOURS

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psf)		JOB DESCRIPTION / REMARKS
				T	C	Top	Csg	
								Job Ready
								Called for Job
								on location R/S Still Orlg
	1900							start leaving down O.P
	2030							R/S Broken Down
	2310							D.R. out of Hole ORIGINAL
	2320							Loggers logging up
	0005							start logging
	0245							through logging
	0445							start Csg float Equip
	0545							Csg on Bottom
	0555							Hook up U/G & Circulating Iron
	0558							start circulating
	0608							through circulating
	0610							Hook up to Halliburton CONFIDENTIAL
								Job Procedure
	0610	6	104	✓		0/100		start lead cement @ 11.8#/gal
	0625			✓		0		lost circulation about 50 Bbls out
	0625	3		✓		0/100		slow down to 3bbl a min lost circulate
	0628	3	47	✓		100		start Tail Cement
	0640							through mixing cement
	0642							shut down / release plug
	0643							wash pumps & lines
	0647	3	70.5	✓		0/100		start Displacement
	0655			✓		100/100		Caught cement 30 bbls out
	0710							plug handled KCC
	0711							Release float
	0711							float held

FEB 12  
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Thank You for Calling Halliburton

Danny (Crew) STATE COMPANY

FEB 9 1998