

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

PMB12
ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 4824
Name: PIONEER NATURAL RESOURCES
Address: BOX 1006
City/State/Zip: ULYSSES, KS 67880
Purchaser: _____
Operator Contact Person: FRANCIS FORBES
Phone: (620) 353-8549
Contractor: Name: MCLEAN'S CP INSTALLATION, INC
License: 32775

Wellsite Geologist: _____
Designate Type of Completion:
 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: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

8-21-10	8-21-10	8-21-10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 067-21706-00-00
County: GRANT
SW SW SW SW Sec. 27 Twp. 29 S. R. 37 East West
80 feet from S N (circle one) Line of Section
68 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: RECTIFIER Well #: 16
Field Name: RECTIFIER #16
Producing Formation: _____
Elevation: Ground: 3050 Kelly Bushing: _____
Total Depth: 300 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 20 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 No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Jane M. Schaeffer
Title: Office Manager Date: 5-12-11
Subscribed and sworn to before me this 12th day of May
20 11
Notary Public: Shannon Brittain
Date Commission Expires: 10/4/11



KCC Office Use ONLY

Letter of Confidentiality Received _____
If Denied, Yes Date: _____
Wireline Log Received _____
Geologist Report Received _____
UIC Distribution _____

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CONSERVATION DIVISION
WICHITA, KS

Operator Name: PIONEER NATURAL RESOURCES Lease Name: RECTIFIER Well #: 16
 Sec. 27 Twp. 29 S. R. 37 East West County: GRANT

INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: SEE ATTACHED	<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
SURFACE	14 3/4"	8 5/8"		20'	bentonite	12	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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

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TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



4520 State Hwy 136, Amarillo, TX 79108-7617 • tel. 806-383-5047 • fax 806-383-1716

Deep Well GroundBed Data:			Date: 08/21/10			
Job Number:	PNR12-2010-KS		Drilling Contractor:	McLean's CP Installation, Inc		
Company Name:	PIONEER NATURAL RESOURCES		Facility/Line:	RECT #16		
Subject:	DEEP WELL		State:	KS		
Well Depth:	300'		County:	GRANT		
Diameter:	10"		Other-Driller:	KK		
Casing:	20"		TEST VOLTAGE:			
Type of Backfill:	CARBO 60					
Anode Type:	1 SET OF 15-ANOTECH 3884					
Remarks:						
Drilling Log			Electrical Log			Anode Log
			BEFORE BACKFILL			AFTER BACKFILL
Depth:	Formation Type:	Material:	Volt	Anode Depth	Anode #	Volt Anode Anode # Depth
0'	TOP SOIL	CASING				
5'	SANDY CLAY	CASING				
10'	SANDY CLAY	CASING				
15'	SANDY CLAY	CASING/HOLEPLUG				
20'	SANDY CLAY	CASING/HOLEPLUG				
25'	SANDY CLAY	HOLE PLUG				
30'	SANDY CLAY	HOLE PLUG				
35'	SANDY CLAY	HOLE PLUG				
40'	SANDY CLAY	HOLE PLUG				
45'	SANDY CLAY	HOLE PLUG				
50'	SANDY CLAY	HOLE PLUG				
55'	SANDY CLAY	HOLE PLUG				
60'	SANDY CLAY	HOLE PLUG				
65'	SANDY CLAY	HOLE PLUG				
70'	SANDY CLAY	HOLE PLUG				
75'	SANDY CLAY	HOLE PLUG				
80'	SANDY CLAY	HOLE PLUG				
85'	SANDY CLAY	HOLE PLUG				
90'	SANDY CLAY	HOLE PLUG				
95'	SANDY CLAY	HOLE PLUG				
100'	SANDY CLAY	HOLE PLUG				
105'	SANDY CLAY	HOLE PLUG				
110'	SANDY CLAY	COKE				
115'	CLAY	COKE				
120'	CLAY	COKE				
125'	CLAY	COKE				
130'	CLAY	COKE				
135'	CLAY	COKE				
140'	CLAY	COKE				
145'	CLAY	COKE				
150'	CLAY	COKE			15	
155'	CLAY	COKE				
160'	CLAY	COKE			14	
165'	CLAY	COKE				
170'	CLAY	COKE			13	
175'	CLAY	COKE				
180'	GRAVEL	COKE			12	
185'	GRAVEL	COKE				
190'	GRAVEL	COKE			11	
195'	GRAVEL	COKE				
200'	CLAY	COKE			10	
205'	CLAY	COKE				
210'	CLAY	COKE			9	
215'	CLAY	COKE				
220'	CLAY	COKE			8	
225'	CLAY	COKE				
230'	CLAY	COKE			7	
235'	CLAY	COKE				
240'	CLAY	COKE			6	
245'	CLAY	COKE				
250'	CLAY	COKE			5	

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