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NOV 06 2002

KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

09-16-2002
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SEP 16 2002Form ACO-1
September 1999
Form Must Be Typed

KCC WICHITA ORIGINAL

Operator: License # 32782
 Name: Duke Energy Field Services
 Address: Post Office Box 359
 City/State/Zip: Borger, TX 79008
 Purchaser: _____
 Operator Contact Person: O.E. Chitwood
 Phone: (806) 275-5231
 Contractor: Name: McLean's C P Installation, Inc.
 License: 32775
 Wellsite Geologist: _____

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ SLOW ☐ 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. _____

08-28-02 09-05-02
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 119-21092-00-00
 County: Meade
NE NE NE Sec. 11 Twp. 35 S. R. 26 ☐ East ☒ West
325' feet from S (N) (circle one) Line of Section
100' feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) (NE) SE NW SW
 Lease Name: Clark Co. #1 G.S. Well #: 1
 Field Name: Clark Co. #1 G.S.

Producing Formation: _____
 Elevation: Ground: _____ Kelly Bushing: _____
 Total Depth: 200' Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 60' 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 _____

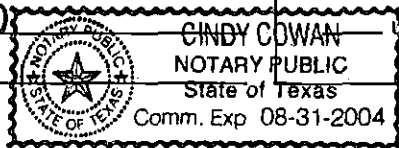
Location of fluid disposal if hauled offsite:

Operator Name: (Fluid not hauled off-site)
 Lease Name: _____ License No.: _____
 Quarter NE Sec. 11 Twp. 35 S. R. 26 East ☒ West
 County: Meade 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: [Signature]
 Title: General Mgr. Date: 9-6-02
 Subscribed and sworn to before me this 6th day of September
2002
 Notary Public: Cindy Cowan
 Date Commission Expires: 8-31-04



KCC Office Use ONLY

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

ORIGINAL

Operator Name: Duke Energy Field Services Lease Name: Clark Co. #1 G.S. Well #: 1
 Sec. 11 Twp. 35 S. R. 26 East ☒ West County: Meade

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. ☐ 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:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

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CASING RECORD New 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
	17 1/2	12"		60'	Neat	53	Portland w/ water

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

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 METHOD OF COMPLETION

Production Interval

☐ Vented Sold ☐ Used on Lease
 (If vented, Sumit ACO-18.)

Open Hole Perf. Dually Comp. ☐ Commingled
☐ Other (Specify)

ORIGINAL

Deep Well GroundBed Data:

Date: 9/4/02

Job Number: Clark County #1 Gathering System
 Company Name: Duke Energy Field Services
 Subject: Deep Well
 Well Depth: 200'
 Diameter: 12"
 Casing: 60"
 Type of Backfill: Carbo 60
 Anode Type: (1) set of (8) 2684 Anotec

Drilling Contractor: McLean's C P Installation, Inc.
 Facility/Line: Clark County #1 Gathering System
 State: Kansas
 County: Meade
 Other: Driller - Lyle

TEST VOLTAGE: 12.4

Remarks:

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Drilling Log

Depth:	Formation Type:	Material:
0'-5'	Top Soil	Bentonite/Casing
10'	"	Bentonite/Casing
15'	Clay	Bentonite/Casing
20'	"	Bentonite/Casing
25'	Sand & Gravel	Bentonite/Casing
30'	"	Bentonite/Casing
35'	"	Bentonite/Casing
40'	"	Bentonite/Casing
45'	"	Bentonite/Casing
50'	Clay	Bentonite/Casing
55'	"	Bentonite/Casing
60'	"	Bentonite/Casing
65'	"	Coke
70'	"	Coke
75'	"	Coke
80'	"	Coke
85'	"	Coke
90'	"	Coke
95'	"	Coke
100'	"	Coke
105'	"	Coke
110'	"	Coke
115'	"	Coke
120'	"	Coke
125'	"	Coke
130'	"	Coke
135'	"	Coke
140'	"	Coke
145'	"	Coke
150'	"	Coke
155'	"	Coke
160'	Limestone & Clay	Coke
165'	"	Coke
170'	"	Coke
175'	"	Coke
180'	"	Coke
185'	"	Coke
190'	"	Coke
195'	"	Coke
200'	"	Coke

Electrical Log

BEFORE BACKFILL

Volt Anode Anode #
Depth

1.3		
1.5		
1.2		
1.2	85'	8
1.7	100'	7
2.8		
1.9	115'	6
2.4	130'	5
2.3		
2.4	145'	4
1.7	160'	3
2.2		
1.7	175'	2
1.7	190'	1
2.1		

Anode Log

AFTER BACKFILL

Depth Volt

ORIGINAL

Duke Kansas Plains Ready Mix

23632

P. O. BOX 638

"ALL TYPES CONCRETE WORK"

PLAINS, KANSAS
67869PHONE: 563-9382
EVE. 563-7853ORDER NO. 9DATE 8-28-02SOLD TO McLeans CP Installation Inc.

ADDRESS _____

DELIVER TO 6 1/2 mi. west + 1 south of Englewood

CASH	CHARGE	TRUCK	DRIVER	Time Out	Time IN
	✓				

QUANTITY	DESCRIPTION	PRICE	AMOUNT
2.75	CUBIC YARDS CONCRETE <u>53 sk. Slurry Mix</u>		
	_____ % CALCIUM CHLORIDE		
	WATER REDUCER		
	OZ. AIR ENTRAINING		
	ROCK		
	MILEAGE @ <u>2.00</u> PER CUBIC YD MILE HAUL		
	HOURS WAITING TIME		
	GALLONS WATER ADDED ON JOB		
	SERVICE CHARGE - FOR UNDER 2 YARDS		
	TAX		

IMPORTANT

We cannot be held responsible for the quality of concrete if water is added on the job or for damage caused by our trucks beyond curb line. NO CREDIT for returned concrete. Unloading time allowed — (1) hour.

Signature [Signature]

A SERVICE CHARGE of 2% per month, with an effective and be charged upon all invoice amounts if not paid by the end of month on which the invoice is dated. The minimum SERVICE per month.

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FORM MUST BE TYPED

FORM MUST BE SIGNED

BLANKS MUST BE FILLED IN

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202-1286.

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$$\begin{array}{r} 11 \\ 35 \\ 263 \end{array}$$

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

API NO. 15-

LOCATION OF WELL: COUNTY Meade

325' feet from south/north line of section

100' feet from ~~east~~ west line of section

SECTION _____ TWP _____ RG _____

IS SECTION X REGULAR or IRREGULAR

IF SECTION IS IRREGULAR, LOCATE WELL FROM NEAREST CORNER BOUNDARY.

Section corner used: NE NW SE SW

(Show location of intended cathodic borehole.)

(Show footage from nearest lease, unit or outside section boundary line.)

A 4x4 grid of dots forming a 3x3 square pattern, with a central cross of dots.

100-

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Section 11

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EXAMPLE

The diagram shows a grid with a highlighted square. Inside the highlighted square is a smaller square containing a circle. The grid is labeled with '10' and '1980'.

SEWARD CO.

In plotting the proposed location of the well, you must show:

- 1) The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.;
- 2) the distance of the proposed drilling location from the section's south/north and east/west; and
- 3) the distance to the nearest lease, unit or outside section boundary line.