

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

1/5/08
Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32912
Name: Carroll Energy, LLC
Address: 200 Arco Place Suite 230 - Box 149
City/State/Zip: Independence, KS 67301
Purchaser: _____
Operator Contact Person: Tim Carroll
Phone: (620) 332-1600
Contractor: Name: L & S Well Service
License: 33374

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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. _____

10/15/2006 10/17/2006 10/18/2006
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-001-29516-00-00

County: Allen

C NE SE SE Sec. 25 Twp. 26S S. R. 19E ☒ East ☐ West

958 feet from S / N (circle one) Line of Section

360 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: HARDING Well #: 25-D4

Field Name: Humboldt-Chanute

Producing Formation: Cherokee Coals

Elevation: Ground: 940 Kelly Bushing: _____

Total Depth: 915 Plug Back Total Depth: 900

Amount of Surface Pipe Set and Cemented at 22.5 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 AITH NH 9-11-08
(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: Terry Carroll

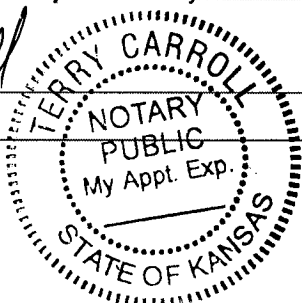
Title: Vice Operating Manager Date: 1/3/2007

Subscribed and sworn to before me this 03 day of January

20 07

Notary Public: Terry Carroll

Date Commission Expires: 10/26/08



KCC Office Use ONLY

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

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 05 2007

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Carroll Energy, LLC Lease Name: HARDING Well #: 25-D4
 Sec. 25 Twp. 26S S. R.19E ☒ East ☐ West County: Allen

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:
 Density Nuetron

☒ Log Formation (Top), Depth and Datum ☐ Sample
 Name Top Datum
 See Attached

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
Surface	11"	8.625	32	22.5	Portland	6	
Production	6 3/4	4 1/2	10.5	900	OWC	132	

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
	-		
	-		
	-		
	-		

TUBING RECORD	Size	Set At	Packer At	Liner Run
			N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Resumered Production, SWD or Enhr.	Producing Method
N/A	<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 **METHOD OF COMPLETION** Production Interval
☐ Ventd ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Part. ☐ Dualy Comp. ☐ Commingled
 (If vented, Submit ACO-18.) ☐ Other (Specify)

L S Well Service, LLC #33374
543A 22000 Road
Cherryvale, KS 67335

DRILLERS LOG
CARROLL ENERGY

Harding #25-D4
S25, T26, R19
Allen County, KS
API #001-29516-0000

0-4	SOIL
4-6'	SHALE
6-30'	LIME
30-44	SHALE
44-54	LIME
54-62	SHALE
62-125	LIME
125-218	SHALE
218-220	LIME
220-258	SHALE
258-268	SHALE
268-274	LIME
274-277	SHALE
277-287	LIME
287-324	SHALE
324-329	SAND
329-339	SHALE
339-354	SAND
354-375	SHALE
375-380	LIME
380-385	SHALE
385-406	LIME
406-410	BLACK SHALE COAL
410-412	LIME
412-413	BLACK SHALE COAL
413-433	SHALE
433-437	SANDY SHALE
437-445	SHALE
445-462	LIME
462-468	BLACK SHALE COAL
468-472	LIME
472-481	SHALE
481-496	SAND
496-573	SHALE
573-575	LIME
575-580	BLACK SHALE COAL
580-603	SHALE
603-607	BLACK SHALE COAL
607-621	SHALE
621-623	LIME
623-631	SHALE
631-633	SANDY SHALE
633-653	SHALE
653-659	BLACK SHALE
659-677	SHALE
677-683	SAND
683-690	SHALE
690-692	SAND

10-15-06 Drilled 11" hole and set
22.5' of 8 5/8" surface casing with
6 sacks Portland cement.

10-17-06 Started drilling 6 3/4" hole

10-17-06 Finished drilling to T.D. 915'

414' 3" ON 1/2" ORIFICE
439' SLIGHT BLOW ON 1/2" ORIFICE
464' STRONG BLOW ON 1/2" ORIFICE
489' STRONG BLOW ON 1/2" ORIFICE
590' 3" ON 1/2" ORIFICE
640' SLIGHT BLOW ON 1/2" ORIFICE
690' 13" ON 1/2" ORIFICE
740' 7" ON 1/2" ORIFICE
765' 8" ON 1/2" ORIFICE
790' 7" ON 1/2" ORIFICE
815' 8" ON 1/2" ORIFICE
840' 8" ON 1/2" ORIFICE
858' 8" ON 1/2" ORIFICE
865' 6" ON 1/2" ORIFICE
890' 18" ON 1/2" ORIFICE
915' 8" ON 1/2" ORIFICE

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CONSERVATION DIVISION
WICHITA, KS

L S Well Service, LLC #33374
543A 22000 Road
Cherryvale, KS 67335

DRILLERS LOG
CARROLL ENERGY

Harding #25-D4
S25, T26, R19
Allen County, KS
API #001-29516-0000

692-713	SHALE
713-730	BLACK SHALE COAL
730-756	SHALE
756-815	SAND OIL SHOW
815-840	SANDY SHALE
840-853	SHALE
853-867	BLACK SHALE COAL
867-915	LIME MISSISSIPPI

T.D. 915'

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CONSERVATION DIVISION
WICHITA, KS

KEPLEY WELL SERVICE CEMENTING

19245 Ford Road
Chanute, KS 66720
(620) 431-9212
Mobile (620) 431-8945

Carroll Energy, LLC
2198 Valley High Drive
Independence, KS 67301

KCC
JAN 03 2007
CONFIDENTIAL

Date	Invoice
10/31/2006	561

Date: 10-18-06
Well Name: Harding 25-D4
Section: 25
Township: 26
Range: 19
County: Allen
API: 001-29516-00-00

CEMENT TREATMENT REPORT

TYPE OF TREATMENT: Production Casing
HOLE SIZE: 6 3/4
TOTAL DEPT: 920
WIRE LINE READING BEFORE:
WIRE LINE READING AFTER:

(x) Landed Plug on Bottom at 450 PSI
(x) Shut in Pressure Set float
() Lost Circulation
(x) Good Cement Returns
() Topped off well with _____ Sacks
(x) Set Float Shoe - Shut In

Service or Product	Quantity	Per Foot Pricing/Unit Pricing	Amount
4.5	905	3.00	2,715.00T

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CONSERVATION DIVISION
WICHITA KS

Hooked onto 4.5 casing. Established circulation with 14 barrels of water, 6 GEL, 2 METSO, 1 COTTON ahead, blended 132 sacks of OWC cement, dropped rubber plug, and pumped 14 barrels of water.

Subtotal	\$2,715.00
Sales Tax (7.3%)	\$198.20
Balance Due	\$2,913.20

1/5/08
1-S-08



Carroll Energy, LLC



200 Arco Place Suite 230 – Box 149, Independence, KS. 67301
Phone: (620) 332-1600 Fax: (620) 332-1601

January 3, 2007

Kansas Corporation Commission
Oil & Gas Conservation Division
130 S. Market – Room 2078
Wichita, KS 67202

KCC
JAN 03 2007
CONFIDENTIAL

HARDING 25-D4
API: 15-001-29516

To Whom it May Concern:

Enclosed is Form ACO-1 for the above referenced well. Carroll Energy respectfully requests that the KCC maintain this well information in a CONFIDENTIAL status for a period of 12 months from the date of receipt.

Should you have questions or need additional information, please contact our office. Thank you for your assistance.

Sincerely

Tim Carroll
Vice Operating Manager

Enclosures:

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JAN 05 2007
CONSERVATION DIVISION
WICHITA, KS