

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

RECEIVED

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Form ACO-1
September 1999
Form Must Be Typed

KCC WICHITA

ORIGINAL

Operator: License # 32254
 Name: Le Norman Energy Corporation
 Address: P.O. Box 1024
 City/State/Zip: Duncan, OK 73534
 Purchaser: Duke Energy
 Operator Contact Person: Dale Lovely
 Phone: (580) 252-2085
 Contractor: Name: Cheyenne Drilling, Inc.
 License: 5382
 Wellsite Geologist: Ed Grievess
 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. _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
04/09/02	04/26/02	05/21/02

API No. 15 - 175-21872-00-00
 County: Seward
NE NE SW/SW Sec. 15 Twp. 34 S. R. 31 East West
1175' feet from S / N (circle one) Line of Section
1175' feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: BLACK Well #: 2-15
 Field Name: Arkalon
 Producing Formation: Morrow
 Elevation: Ground: 2482' Kelly Bushing: 2496'
 Total Depth: 6390' Plug Back Total Depth: 5695'
 Amount of Surface Pipe Set and Cemented at 1368' 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.

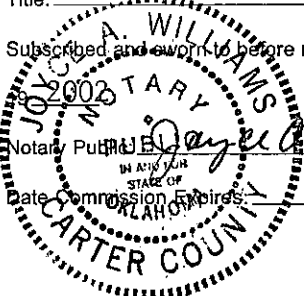
Drilling Fluid Management Plan AL1 EH 8-21-02
 (Data must be collected from the Reserve Pit)
 Chloride content _____ ppm Fluid volume 360 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite:
 Operator Name: Nichols Fluid Service
 Lease Name: Morlen 1-16 License No.: 31983
 Quarter _____ Sec. 16 Twp. 34 S. R. 32 East West
 County: Seward Docket No.: D-25-529

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: Dale D. Lacy
 Title: Production Manager Date: 08/02/02

Subscribed and sworn to before me this 2 day of August



Notary Public J. A. Williams #99001421
 Date Commission Expires Jan. 25, 2003

KCC Office Use ONLY

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

Operator Name: Le Norman Energy Corporation Lease Name: BLACK Well #: 2-15
 Sec. 15 Twp. 34 S. R. 31 East West County: Seward

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum Name Top Datum Council Grove 2772' KB Totonto 4161' KB Marmaton 5006' KB Cherokee 5330' KB Morrow 5548' KB Chester 5682' KB
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	Yes <input checked="" type="checkbox"/> No	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E. Logs Run:		

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 Csg	12 1/4"	8 5/8"	24	1368'	Premian	925	1/8# Flocele 32% CaCl
Production	7 7/8"	4 1/2"	11.6	5941'	Permian	300	5% HALAO-322 1/8# Flocele

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 <i>(Amount and Kind of Material Used)</i>	Depth
8	5700'-08' & 5714'-21'	5500 gal 15% HCL Acid	
4	5677'-82' & 5660'-67'	1000 gal 7 1/2% HCL + Frac w/ 20,000# Sand + Co2 Foam	
	Bridge Plug at 5695'		

TUBING RECORD		Size Set At	Packer At	Liner Run
		2 3/8" 5574'	none	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Date of First, Resumed Production, SWD or Enhr.		Producing Method		
05/31/02		<input checked="" 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
	1	870	0	

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

JOB SUMMARY

SALES ORDER NUMBER: 1816936
TICKET DATE: 04/10/02

REGION NORTH AMERICA LAND	NWA / COUNTRY Central / USA	BDA / STATE MC/Ks	COUNTY SEWARD
WBU ID / EMPL # MCL10110 106328	H.E.S. EMPLOYEE NAME NICK KORBE	PSL DEPARTMENT CEMENT	ORIGINAL
LOCATION LIBERAL	COMPANY CHEYENNE DRILLING (LE NORI)	CUSTOMER REP / PHONE WRAY VALENTINE	
TICKET AMOUNT \$7,586.16	WELL TYPE OIL	API/WVI #	
WELL LOCATION KISMET	DEPARTMENT CEMENT	SAP BOMB NUMBER 7521	
LEASE NAME BLACK	Well No. SEC / TWP / RNG 2-15 15 - 34S - 31W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Korbe, N 106328	22.0	Archuleta, M 226383	6.0	
King, K 105942	22.0	Harper, K 241985	3.0	
Ferguson, R 106154	5.0			
Apelu, T 237789	5.0			

HES. UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
421270	36	10244148//10280731	106	
10251403	36	10243558//6612	106	
10240236//10240248	106			
54218//6610	106			

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Form. Name _____ Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	04/10/2002	04/10/2002	04/10/2002	04/11/2002
Time	0900	1230	1830	0900

Tools and Accessories

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe		
Centralizers S-4	4	HOWCO
Top Plug 5-W	1	HOWCO
HEAD		
Limit clamp		
Weld-A	1	HOWCO
Guide Shoe		
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max Allow
Casing	NEW	24.0	8 5/8		0	1373'	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4		80'	1353'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
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

Date	Hours	Date	Hours	Description of Job
4/10	22.0	4/10	1.0	Cement Surface Casing
		4/11	1.0	
Total	22.0	Total	2.0	

Ordered _____ Hydraulic Horsepower: _____
 Treating _____ Average Rates in. BPM _____
 Feet 45 _____ Cement Left in Pipe _____
 Reason _____ SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	500	HLC PP		3% CC - 1/8# POLYFLAKES		11.40	12.30
2	150	PREM PLUS		2% CC - 1/8# POLYFLAKES		6.30	14.80
3							
4							

Summary

Circulating _____	Displacement _____	Preflush: BBI _____	Type: _____
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Pad: Bbl - Gal _____
Lost Returns _____	Lost Returns _____	Excess /Return BBI _____	Calc. Disp Bbl _____
Cmt Rtm#Bbl _____	Actual TOC _____	Calc. TOC: _____	Actual Disp. 85
Average _____	Frac. Gradient _____	Treatment: Gal - BBI _____	Disp: Bbl _____
Shut in: Instant _____	5 Min. _____	Cement Slurry BBI _____	182//36
	15 Min _____	Total Volume BBI _____	#VALUE!

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

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HALLIBURTON		JOB LOG		TICKET # 1816936	TICKET DATE 04/10/02
REGION NORTH AMERICA LAND	NWA / COUNTRY Central / USA	BDA / STATE MC/Ks	COUNTY SEWARD		
MBU ID / EMPL # MCLI0110	106 NICK KORBE	PSL DEPARTMENT CEMENT		CUSTOMER REP / PHONE (LE N) WRAY VALENTINE	
LOCATION LIBERAL	COMPANY CHEYENNE DRILLING	WELL TYPE OIL		API/UVI #	
TICKET AMOUNT \$7,586.16	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Surface Casing ✓		HES FACILITY (CLOSEST TO WELL #) LIBERAL	
WELL LOCATION KISMET	Well No. 2-15	SEC / TWP / RNG 15 - 34S - 31W			

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
Korbe, N 106328	22	Archuleta, M 226383	6				
King, K 105942	22	Harper, K 241985	3				
Ferguson, R 106154	5						
Apelu, T 237789	6						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate			Press.(PSI)			Job Description / Remarks
				N2	CSG	Tbg	N2	CSG	Tbg	
	0900									CALLED OUT
	1230									ON LOCATION
										HELD SAFETY MEETING
										SET UP TRUCKS
										START F. E.
										BREAK CIRCULATION
	1827							1300		TEST LINES
	1830	5.0	0				225			START WATER
	1832	6.0	81.0				200			START LEAD CEMENT
	1902	6.0	182.0				300			START TAIL CEMENT
	1908		36.0							END CEMENT
	1909									RELEASE PLUG
	1910	6.0	0				150			START DISPLACEMENT
	1924	2.0	75.0				225			SLOW RATE//LOST CIRCULATION
	1930	2.0	85.0				280//1000			BUMP PLUG
	1931									RELEASE PRESSURE
										FLOAT HELD
										FLUID IN CELLAR FALLING BACK
										ORDER 300SKS PREMIUM PLUS W/2%CC ON SIDE
										RUN 250' OF 1" PIPE
	0033	2.0	0				800			PUMP 150SKS CEMENT
	0053		41.0							SHUT DOWN FLUID FALLING BACK IN CELLAR
										PULL 1" PIPE
										RUN 200' OF 1" PIPE//TAG CEMENT
	0341	2.3	0				750			PUMP 150SKS CEMENT
	0404		41.0							SHUT DOWN//NO CEMENT IN CELLAR
										ORDER 400SKS PREMIUM PLUS W/2%CC ON SIDE
										PULL 1" PIPE
										RUN 1" PIPE TAG CEMENT@100'
	0847	2.5	0							PUMP 130SKS CEMENT
	0858		31.0							SHUT DOWN//CIRCULAED 25SKS TO PIT ✓
										JOB COMPLETE//THANK YOU//NICK AND CREW

HALBURTON		JOB SUMMARY		SALES ORDER NUMBER 1839348	TICKET DATE 04/27/02
REGION NORTH AMERICA LAND		NVA / COUNTRY Central / USA		BDA / STATE MC/Ks	COUNTY SEWARD
MBU ID / EMPL # MCL10104 212723		H.E.S. EMPLOYEE NAME JERRAKO EVANS		ORIGINAL	
LOCATION LIBERAL		COMPANY Le NORMAN ENERGY			
TICKET AMOUNT \$8,004.97		WELL TYPE OIL		CUSTOMER REP / PHONE DALE LOVELY 620-924-1956	
WELL LOCATION LIBERAL, KS		DEPARTMENT CEMENT		API/WI # 15-175-21872	
LEASE NAME BLACK		Well No. 2-15	SEC / TWP / RNG 15 - 34S - 31W	SAP BOMB NUMBER 7523	Cement Production Centre <input type="checkbox"/>
HES EMP NAME / EMP # / (EXPOSURE HOURS)		HRS		HRS	

Evans, J 212723	1.5				
Arnett, J 226567	1.5				
Schawo, N 222552	1.5				

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HES UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES
420621	20		
54219-78299	20		
54225-77031	35		

Form. Name _____ Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	04/27/2002	04/27/2002	04/27/2002	04/27/2002
Time	0745	1030	1610	1800

Tools and Accessories

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe BASKET	1	
Centralizers	12	
Top Plug	1	
HEAD	1	
Limit clamp	1	
Weld-A	1	
Guide Shoe	1	
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	11.6#	4 1/2		KB	5,965	
Liner						5,949	
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8				Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	Density	Lb/Gal
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	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
4/27	7.0	4/27	1.5	Cement Production Casing
Total	7.0	Total	1.5	

Ordered _____ Hydraulic Horsepower _____ Used _____
 Treating _____ Average Rates in BPM: _____ Overall _____
 Feet **38** Cement Left in Pipe _____ Reason **SHOE JOINT**

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	25	PREMIUM H		.9% VERSASET - 5% KCL - .5% HALAD-322 - 1/8# POLY FLAKE	39.75	5.91	10.00
2	300	PREMIUM H		.9% VERSASET - 5% KCL - .5% HALAD-322 - 1/8# POLY FLAKE	6.92	1.44	14.50
3							
4							

Summary

Circulating _____	Displacement _____	Preflush: BBI	10.00	Type: _____
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI		Pad: Bbl - Gal _____
Lost Returns _____	Lost Returns _____	Excess /Return BBI		Calc. Disp Bbl _____
Cmt Rtm#Bbl _____	Actual TOC _____	Calc. TOC: _____		Actual Disp. 92
Average _____	Frac. Gradient _____	Treatment: Gal - BBI		Disp: Bbl _____
Shut In: Instant _____	5 Min. _____	Cement Slurry BBI	103.0	
		Total Volume BBI	205.00	

Frac Ring #1 _____ | Frac Ring #2 _____ | Frac Ring #3 _____ | Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

