ORIGINAL

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

API NO. 15 - 129-21664 - 0000

County Morton

E2 - E2 - NW - SE Sec. 5 Twp. 33S Rge. 42 X E W

2000' FSL Feet from S / N (circle one) Line of Section

1500' FEL Feet from E / W (circle one) Line of Section

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

Lease Name Blout Well # 2-5

Field Name Un-Named

Producing Formation Morrow

Elevation: Ground 3519.3' KB 3529'

Total Depth 5080' PBTD 4772'

Amount of Surface Pipe Set and Cemented at 1371' Feet

Multiple Stage Cementing Collar Used? ____ Yes X No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt

Drilling Fluid Management Plan ALT I DPW 5-29-02
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 800 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name ____

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp ____ S Rng. ____ E / W

County ____ Docket No. ____

Operator: License # 31321 CONFIDENTIAL

Name: Louis Dreyfus Natural Gas Corp.

Address: Suite 600

14000 Quail Springs Parkway

City/State/Zip Oklahoma City, OK 73134

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Purchaser: ____

Operator Contact Person: Lenora Sawyer

Phone (405) 748-2725

Contractor: Name Cheyenne Drilling Company RELEASED

License: 5382

JUN 18 2003

Wellsite Geologist: NA

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

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

FROM CONFIDENTIAL

If Workover:

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. ____

4/19/02 Spud Date | 4/28/02 Date Reached TD | 5/15/02 Completion Date

MAY 21 2002 CONFIDENTIAL

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 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 CD-4 form with all plugged wells. Submit CP-111 with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully compiled with and the statements herein are complete and correct to the best of my knowledge.

Signature Lenna Sawyer

Title Regulatory Specialist Date 5/21/02

Subscribed and sworn to before me this 21st day of May, 20 02.

Notary Public Christine Meyer

Date Commission Expires My Commission Expires Dec. 18, 2002.

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received

ORIG ACO-1 Sent in 5-20-02 DPW

Distribution
____ KCC ____ SWD/Rep ____ NGPA
____ KGS ____ Plug ____ Other (Specify)

Form ACO-1 (7-91)

ORIGINAL

Operator Name Dominion Oklahoma Texs E&P, Inc. Lease Name Blout Well # 2-5

Sec. 5 Twp. 33S Rge. 42 ☐ East ☒ West County Morton

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 (Attach Additional Sheets.) ☐ Yes ☒ No ☒ Log Formation (Top), Depth and Datum ☐ Sample

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

Name	Top	Datum
SEE ATTACHED SHEETS		

List All E.Logs Run:
Platform Express - Compensated Neutron Litho-Density - GR ✓
Platform Express - Array Induction / SP - Linear Correlation - GR ✓
Platform Microlog - GR ✓
Cement Bond Log ✓

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 Additivies
Surface	12-1/4"	8-5/8"	23#	1371'	Premium Plus Premium Plus	460 150	3% cc+1/8#/sk PF 2%cc+1/8#/sx PF
Production	7-7/8"	4-1/2"	15.5/17#	4820'	Premium Plus Class "H"	125 200	3% KCl+1/8#/sx PF 0.6 Halad+10%Salt
							+4%EA-2+1/8#/sx PF

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	PERFORATON RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Materials Used)	Depth
4	4612-19'; 4622-38'	NA	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4661'	NA	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	109	26	0	239:1	---

Disposition of Gas: METHOD OF COMPLETION Production Interval

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled _____
(If Vented, submit ACO-18.)
☐ Other (Specify) _____ _____

HALLIBURTON

JOB SUMMARY

SALES ORDER NUMBER: 1826620		TICKET DATE: 04/19/02	
REGION: NORTH AMERICA LAND	NWA / COUNTRY: Central / USA	BDA / STATE: MC/Ks	COUNTY: MORTON
MBU ID / EMPL #: MCLIO10 CONFIDENTIAL 106304	H.E.S EMPLOYEE NAME: TYCE DAVIS	PSL DEPARTMENT: CEMENT	ORIGINAL
LOCATION: LIBERAL	COMPANY: CHEYENNE DRLG (DOMINION)	CUSTOMER REP / PHONE: PHIL LLOYD 1-620-272-1507	
TICKET AMOUNT: $7,422.50	WELL TYPE: 01	API/UWI #:	
WELL LOCATION: LAND N. ELKHART KS	DEPARTMENT: CEMENT	SAP BOMB NUMBER: 7521	
LEASE NAME: BLOUT / Well No.: 2-5	SEC / TWP / RNG: 5 - 33S - 42W	HES FACILITY (CLOSEST TO WELL SITE): LIBERAL KS	

RELEASED

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
Davis, T 106304	9.5	Hanson, M 250356	9.5				
King, K 105942	9.5						
Harper, K 241985	9.5						
Romero, M 240051	9.5						

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MAY 2 1 2002 MAY 2 8 2002

H.E.S. UNIT #'S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10219237	50			
54029-75821	25			
53777-6611	25			

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

	Called Out	On Location	Job Started	Job Completed
Date	04/19/2002	04/19/2002	04/19/2002	04/19/2002
Time	0930	1300	2030	2200

Tools and Accessories

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

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		24.0	8 5/8	KB	1,359	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			12 1/4			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 _____
Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____
Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
4/19		4/19		Cement Surface Casing
Total		Total		

Hydraulic Horsepower
Ordered _____ Avail. _____ Used _____
Average Rates in BPM
Treating _____ Disp. _____ Overall _____
Cement Left in Pipe
Feet 45 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives		W/Rq.	Yield	Lbs/Gal
1	460	HLC PP		3% CC - 1/8# POLYFLAKES	PUMP TIME - 3 HOURS	11.60	2.05	12.30
2	150	PREM PLUS		2% CC - 1/8# POLYFLAKES	PUMP TIME - 1:45 HOURS	6.30	1.34	14.80
3								
4								

Summary

Circulating _____ Displacement _____ Preflush: BBl _____ Type: _____
Breakdown _____ MAXIMUM _____ Load & Bkdn: Gal - BBl _____ Pad:Bbl -Gal _____
Lost Returns-1 _____ Lost Returns-N _____ Excess /Return BBl _____ Calc.Disp Bbl _____
Cmt Rtrn#Bbl _____ Actual TOC _____ Calc. TOC: _____ Actual Disp. 84
Average _____ Frac. Gradient _____ Treatment: Gal - BBl _____ Disp:Bbl _____
Shut In: Instant _____ 5 Min. _____ 15 Min _____ Cement Slurry BBl 204.0
Total Volume BBl 287.50

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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RECEIVED
MAY 28 2002

ORIGINAL

HALLIBURTON

JOB LOG

KCC WICHITA

TICKET # 1826620		TICKET DATE 04/19/02	
REGION NORTH AMERICA LAND	NWA / COUNTRY Central / USA	BDA / STATE MC/Ks	COUNTY MORTON
MBU ID / EMPL # MCLIO103 106304	H.E.S EMPLOYEE NAME TYCE DAVIS	PSL DEPARTMENT CEMENT	
LOCATION LIBERAL	COMPANY CHEYENNE DRLG (DOMINION)	CUSTOMER REP / PHONE PHIL LLOYD 1-620-272-1507	
TICKET AMOUNT $7,422.50	WELL TYPE 01	API/UWI #	
WELL LOCATION LAND N. ELKHART KS	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME BLOUT / Well No. 2-5	SEC / TWP / RNG 5 - 33S - 42W	HES FACILITY (CLOSEST TO WELL S LIBERAL KS	

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
Davis, T 106304	9.5	Hanson, M 250356	9.5				
King, K 105942	9.5						
Harper, K 241985	9.5						
Romero, M 240051	9.5						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate N2	Press.(PSI) CSG.	Press.(PSI) Tbg	Job Description / Remarks
	1000						CALLED OUT FOR JOB
	1300						ON LOCATION RIG DRILLING
	1640						START S.B.D.P.
	1800						OUT OF HOLE W/DP RIG UP CASERS
	1845						START CASING AND FE
	2010						CASING ON BOTTOM HOOK UP PC AND CIRC LINES
	2017						BREAK CIRC W/RIG
	2018						CIRC TO PIT
	2025						THRU CIRC HOOK LINES TO PT
	2030						PSI TEST LINES
	2039	6.0	168.0		150		PUMP 460SX P+LITE AT 12.3#
	2107	6.0	36.0		200		PUMP 150SX P+ AT 14.8#
	2113						SHUT DOWN DROP PLUG
	2114	6.0	84.5		150		PUMP DISPLACEMENT
	2126	6.0	84.5		290		54 BBLS IN CEMENT TO PIT
	2129	2.0	84.5		330		74 BBLS IN SLOW RATE
	2135	2.0	84.5		400-1000		LAND PLUG
	2136		84.5		1000-0		RELEASE FLOAT——HELD
	2140						JOB OVER

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MAY 21 2002
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JUN 1 8 2005
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JOB SUMMARY

ORIGINAL

SALES ORDER NUMBER: 1840508		TICKET DATE: 04/28/02	
REGION: NORTH AMERICA LAND	NWA / COUNTRY: Central / USA	BDA / STATE: MC/Ks	COUNTY: MORTON
MBU ID / EMPL #: MCLI 0110/ 198516	H.E.S. EMPLOYEE NAME: JASON CLEMENS	PSL DEPARTMENT: CEMENTING SERVICES	
LOCATION: LIBERAL	COMPANY: DOMINION EXPLORATION & PROD.	CUSTOMER REP / PHONE: DARRELL TOEWS 405-206-6742	
TICKET AMOUNT: $7,236.83	WELL TYPE: OIL	API/UWI #:	
WELL LOCATION: N ELKART	DEPARTMENT: ZI	SAP BOMB NUMBER: 7523	RELEASED
LEASE NAME: BLOUT / Well No.: 2-5	SEC / TWP / RNG: 5 - 33S - 42W	HES FACILITY (CLOSEST TO WELL SITE): LIBERAL	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Clemens, A 198516	7.0			
Cochran, M 217398	7.0			
Lopez, J 198514	7.0			

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H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421269	50			
10251403	50			
10244148/10266731	25			

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

	Called Out	On Location	Job Started	Job Completed
Date	04/28/2002	04/28/2002	04/28/2002	04/28/2002
Time	400	700	1250	1339

Tools and Accessories

Type and Size	Qty	Make
Float Collar		HES
Float Shoe		
Centralizers	5	
Top Plug	1	
HEAD	1	
Limit clamp	1	
Weld-A	1	
Guide Shoe	1	ISF SHOE
BTM PLUG		

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	N	15.5	5 1/2	KB	4,823	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			7 7/8			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 _____
Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____
Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
4/28		4/28	2.0	PRODUCTION CASING
Total		Total	2.0	

Hydraulic Horsepower: Ordered _____ Avail. _____ Used _____
Average Rates in BPM: Treating _____ Disp. _____ Overall _____
Cement Left in Pipe: Feet 43 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	125	MIDCON PP	B	3% KCL - 1/8# POLYFLAKES PUMP TIME - 3 HOURS (USE	19.07	3.09	11.30
2	200	50/50 POZ H	B	4% CALSEAL - 10% SALT - .6% HALAD-322 - 1/8# POLYFLAKES	5.30	1.24	14.70
3							
4							

Summary

Circulating _____ Displacement _____ Preflush: BBl 10.00 Type: MUD FLUSH
Breakdown _____ MAXIMUM _____ Load & Bkdn: Gal - BBl _____ Pad:Bbl -Gal _____
Lost Returns-\ _____ Lost Returns-N _____ Excess /Return BBl _____ Calc.Disp Bbl _____
Cmt Rtrn#Bbl _____ Actual TOC _____ Calc. TOC: _____ Actual Disp. 112
Average _____ Frac. Gradient _____ Treatment: Gal - BBl _____ Disp:Bbl _____
Shut In: Instant _____ 5 Min. _____ 15 Min _____ Cement Slurry BBl 113.0
Total Volume BBl 235.00

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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RECEIVED
MAY 28 2002
KCC WICHITA

ORIGINAL

HALLIBURTON JOB LOG

TICKET # 1840508	TICKET DATE 04/28/02		
REGION NORTH AMERICA LAND	NWA / COUNTRY Central / USA	BDA / STATE MC/Ks	COUNTY MORTON
MBU ID / EMPL # MCLI 0110/ 198516	H.E.S EMPLOYEE NAME JASON CLEMENS	PSL DEPARTMENT CEMENTING SERVICES	
LOCATION LIBERAL	COMPANY DOMINION EXPLORATION & PRO	CUSTOMER REP / PHONE DARRELL TOEWS 405-206-6742	
TICKET AMOUNT $7,236.83	WELL TYPE OIL	API/UWI #	
WELL LOCATION N ELKART	DEPARTMENT ZI	JOB PURPOSE CODE Cement Production Casing	
LEASE NAME BLOUT / Well No. 2-5	SEC / TWP / RNG 5 - 33S - 42W	HES FACILITY (CLOSEST TO WELL) LIBERAL	

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
Clemens, A 198516							
Cochran, M 217398							
Lopez, J 198514							

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate	Pressure (PSI) CSG		Job Description / Remarks
	700						ARRIVE ON LOCATION
	730						PRE- JOB SAFTEY MEETING
	745						SPOT EQUIP.
	1000						START F.E.
	1150						HOOK UP CIR W/ RIG
	1250				1500		PRESSURE TEST
	1252	5.0	10.0		50		START MUDFLUSH
	1256	6.0	69.0		75		START LEAD @ 11.3#
	1304	6.0	44.0		75		START TAIL @ 14.7#
	1314						SHUT DOWN WASH LINES
	1315						DROP PLUG
	1317	6.0	112.0		50		START DISP
	1330	6.0	81.0		225		CAUGHT CEMENT
	1333	2.0	102.0		500		SLOW RATE
	1338	2.0	112.0		1500		LAND PLUG
							THANKS JASON & CREW.

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MAY 21 2002
CONFIDENTIAL
RELEASED
JUN 18 2002
FROM CONFIDENTIAL