

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

COPY *gnd*

API NO. 15 - 025-21187

County Clark

 - - C - SW Sec. 5 Twp. 35S Rge. 25 E
X W

1320' Feet from S / N (circle one) Line of Section

1320' 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 Theis W Well # 3-5

Field Name McKinley

Producing Formation Chester

Elevation: Ground 2073' KB 2085'

Total Depth 6131' PBSD 6088'

Amount of Surface Pipe Set and Cemented at 838' 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

(Data must be collected from the Reserve Pit)

Chloride content 300 ppm Fluid volume 1800 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

Name: Louis Dreyfus Natural Gas Corp.

Address: Suite 600

14000 Quail Springs Parkway

City/State/Zip Oklahoma City, OK 73134

Purchaser: GPM

Operator Contact Person: Lenora Sawyer

Phone (405) 748-2725

Contractor: Name Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: NA

Designate Type of Completion

X New Well Re-Entry Workover

 Oil SWD SLOW Temp. Abd.

X Gas ENHR SIGW

 Dry Other (Core, WSW, Expl. Cathodic, etc.)

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

 Deepening Re-perf. Conv. To Inj/SWD

 Plug Back PBSD

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

11/10/99 11/20/99 12/23/99

Spud Date Date Reached TD Completion Date

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 Lenora Sawyer

Title Regulatory Technician Date 12/23/99

Subscribed and sworn to before me this 23rd day of December

19 99

Notary Public

Date Commission Expires 9-24-01

K.C.C. OFFICE USE ONLY		
F	<u>No</u>	Letter of Confidentiality Attached
C	<u> </u>	Wireline Log Received
C	<u> </u>	Geologist Report Received
Distribution		
<u> </u> KCC	<u> </u> SWD/Rep	<u> </u> NGPA
<u> </u> KGS	<u> </u> Plug	<u> </u> Other
(Specify)		

CO. & GAS CONSERVATION DIVISION
WICHITA, KS

Y900

Operator Name Louis Dreyfus Natural Gas Corp.Lease Name Theis WWell # 3-5Sec. 5 Twp. 35S Rge. 25☐ EastCounty Clark☒ West

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

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

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

Name	Top	Datum
Heebner	4378'	-2293'
Toronto	4423'	-2338'
Lansing	4564'	-2479'
Marmaton	5298'	-3213'
Morrow Shale	5804'	-3719'
Chester	5884'	-3799'
E-log TD	6131'	-4046'

List All E.Logs Run:

Gamma Ray/Cement Bond Log

Compensated Neutron-Compensated Photo Density Log

Array Induction-Shallow Focused Electric Log

Micro Resistivity 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 Additives
Conductor	Driven	20"		39'			3-1/2 yds Grout
Surface	12-1/4"	8-5/8"	24#	838'	Lite Wate Cl "A"	250 150	3%cc+1/4#flocel/ 3% cc
Production	7-7/8"	4-1/2"	11.6#	6130'	Cl "H"	200	10% salt, 10% gyp +.6% fluid loss + .2% defoamer

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 Materials Used)	Depth
2 spf	5922-26' (4' - 8 shots)	Frac w/25,200 gal gelled 20% acid, 25,200 gal 30# crosslink gel, 20,000 gal slick water & 25 ball sealers	5922-73'
4 spf	5957-73' (16' - 64 shots)		

TUBING RECORD	Size 2-3/8"	Set At 5920'	Packer At NA	Liner Run ☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj. 12/21/99	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil NA Bbls	Gas 236 Mcf	Water 0 Bbls.	Gas-Oil Ratio NA Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If Vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 5922-5973'

☐ Other (Specify) _____

DEC 27 1999

CONSTRUCTION DIVISION
WICHITA, KS

ABERCROMBIE RTD, INC.
150 N. MAIN, SUITE 801
WICHITA, KANSAS 67202
(316)262-1841

THEIS W #3-5

C SW/4

SEC 5-35S-25W

CLARK CO., KS

OPERATOR: Louis Dreyfus Natural Gas

CONTRACTOR: Abercrombie RTD, Inc.

RIG #:5

JOB #: 9905018

Louis Dreyfus Natural Gas Corp

14000 Quail Springs Parkway, Ste 600

Okla. City, OK 73134

405-749-1300

ELEVATION: GL 2073'

KB 2078' 2045

API #15-025-211870000

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- 11-09-99 Set 39' 20" conductor w/3 ½ yds cement.
- 11-10-99 MIRU.
- 11-11-99 604' - Drilling. Drilled 565' - 24 hrs, drilling 7 hrs, MIRU 13 ½ hrs, rathole 1 hr, PU collars 2 ½ hrs. Bit #1, 12 1/4", Varel L117, SN: 149525, in @ 39'. Cut 565' - 7 hrs. Mud weight 9.4, Viscosity 36. Contacted Scott Alberg @ KCC @ 11:15 a.m. on 11-10-99. Spud @ 9:30 p.m. on 11-10-99. Deviation 3/4° @ 129'. Mud mix: gel 50 sks, lime 5 sks, hulls 10 sks. Bit weight 15,000, 800# pump, rot 140, SPM 56.
- 11-12-99 839' - Installing BOP. Drilled 235' - 24 hrs, drilling 3 3/4 hrs, trip 3/4 hr, circulate 1 hr, wireline 1/4 hr, run casing 2 1/4 hrs, cementing 3/4 hr, BOP repair 1 hr, wait on cementers 2 1/4 hrs, WOC 12 hrs. Bit #1, 12 1/4", Varel L117, SN: 149525, in @ 39', out @ 839'. Cut 800' - 10 3/4 hrs. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839'. Mud weight 9.3, Viscosity 36. Daily mud \$627.00, Accum. Mud \$927.00. Mud mix: gel 65 sks, soda ash 1 sk, lime 8 sks, hulls 6 sks. Deviation 3/4° @ 839'. Bit weight 15,000, 800# pump, rot 140, SPM 56. Ran 19 jts new 24#, 8 5/8", J55, tally 827.40', set @ 838' w/250 sks Lite, 3% cc, 1/4# Floseal, 150 sks Class A, 3% cc, 2% gel. Cement did circulate. Plug down @ 6:00 p.m. Job by Allied.
- 11-13-99 2090' - Drilling. Drilled 1251' - 24 hrs, drilling 20 1/4 hrs, rig check ½ hr, repair 2 1/4 hrs, drill plug 1 hr. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839'. Cut 1251' - 20 1/4 hrs. Mud weight 9.0, Viscosity 28. Daily mud \$927.00. Bit weight 30,000, 1,100# pump, rot 80, SPM 56.
- 11-14-99 2900' - Drilling. Drilled 810' - 24 hrs, drilling 22 ½ hrs, rig check 3/4 hr, pump repair 3/4 hr. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839'. Cut 2061' - 42 3/4 hrs. Mud weight 9.6, Viscosity 30, pH 7.0, chlorides 104,000, solids 6.8%. Daily mud \$1,230.00, Accum. Mud \$2,157.00. Mud mix: gel 85 sks, soda ash 10 sks. Bit weight 35,000, 1,100# pump, rot 80, SPM 56.
- 11-15-99 3665' - Drilling. Drilled 765' - 24 hrs, drilling 22 hrs, rig check 3/4 hr, swivel repair 1 hr, displace 1/4 hr. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839'. Cut 2826' - 64 3/4 hrs. Mud weight 9.2, Viscosity 33, PV/YP 6/13, gels 10/21, water loss 14.6, pH 7.5, chlorides 8,600, solids 2.6%. Daily mud \$909.00, Accum. Mud \$3,066.00. Mud mix: gel 110 sks, soda ash 5 sks, hulls 3 sks. Bit weight 38,000, 1,100# pump, rot 80, SPM 56.
- 11-16-99 4355' - Drilling. Drilled 690' - 24 hrs, drilling 23 hrs, rig check 3/4 hr, displace 1/4 hr. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839'. Cut 3516' - 87 3/4 hrs. Mud weight 8.9, Viscosity 44, PV/YP 6/20, gels 15/20, pH 7.5, chlorides 9,200, solids 6.6%. Daily mud \$409.00, Accum. Mud \$3,475.00. Mud mix: gel 25 sks, caustic 2 sks, lime 6 sks, lignite 2 sks. Bit weight 38,000, 1,100# pump, rot 76, SPM 56.

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ELEVATION: GL 2073'

KB ~~2078~~ 2085

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- 11-17-99 5120' - Drilling. Drilled 765' - 24 hrs, drilling 23 1/4 hrs, rig check 3/4 hr. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839'. Cut 4281' - 111 hrs. Mud weight 9.3, Viscosity 42, PV/YP 16/6, gels 16/42, water loss 10.2, pH 10.5, chlorides 3,100, solids 4.6%. Daily mud \$2,505.00, Accum. Mud \$5,980.00. Mud mix: gel 275 sks, caustic 5 sks, soda ash 2 sks, lime 1 sk, lignite 6 sks. Bit weight 38,000, 1,100# pump, rot 80, SPM 56.
- 11-18-99 5515' - Drilling. Drilled 395' - 24 hrs, drilling 21 1/2 hrs, rig check 3/4 hr, pump repair 1 3/4 hrs. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839'. Cut 4676' - 132 1/2 hrs. Mud weight 9.2, Viscosity 50, PV/YP 12/13, water loss 10.8, pH 9.0, chlorides 3,200, solids 7.1%, LCM 2#. Daily mud \$719.00, Accum. Mud \$6,699.00. Mud mix: gel 77 sks, caustic 4 sks, soda ash 1 sk, lignite 4 sks. Bit weight 38-40,000, 1,100# pump, rot 80, SPM 54.
- 11-19-99 5778' - Tripping Pipe. Drilled 263' - 24 hrs, drilling 15 1/4 hrs, trip 7 hrs, rig check 1/2 hr, wireline 1/4 hr, checking for hole in pipe repair 1 hr. Bit #1, 7 7/8", WMac 51F, SN: 059069, in @ 839', out @ 5725'. Cut 4886' - 145 hrs. Bit #2, 7 7/8", WMac 52CF, SN: 030902, in @ 5725'. Cut 53' - 2 3/4 hrs. Mud weight 9.1, Viscosity 64, PV/YP 13/8, gels 11/50, water loss 11, pH 9.5, chlorides 3,300, solids 6.2%, LCM 2#. Daily mud \$2,424.00, Accum. Mud \$9,123.00. Mud mix: gel 168 sks, caustic 10 sks, soda ash 3 sks, lignite 4 sks, hulls 10 sks, cedar fib 35 sks. Deviation 3/4° @ 5725'. Bit weight 38,000, 1,100# pump, rot 80, SPM 56.
- 11-20-99 6125' - CFS. Drilled 347' - 24 hrs, drilling 18 1/2 hrs, trip 3 hrs, rig check 3/4 hr, circulate 1/2 hr, work on pump repair 1 1/4 hrs. Bit #2, 7 7/8", WMac 52CF, SN: 030902, in @ 5725', out @ 6125'. Cut 400' - 21 1/4 hrs. Mud weight 9.0, Viscosity 55, PV/YP 14/17, gels 18/49, water loss 11.6, pH 10.0, chlorides 4,100, solids 5.8%, sand-nc, LCM 1#. TD @ 6:30 a.m. on 11-20-99. Daily mud \$672.00, Accum. Mud \$9,795.00. Mud mix: gel 30 sks, caustic 4 sks, lignite 9 sks, hulls 11 sks, cedar fib 10 sks. Bit weight 38-40,000, 1,100# pump, rot 75-80, SPM 54.
- 11-21-99 6131' - Run Csgs. Trip 6 hrs, circulate 4 1/4 hrs, logging 5 1/2 hrs, run casing 2 3/4 hrs, laydown pipe 4 hrs, rig up CSG & Safety meeting. 1 1/2 hrs. Mud weight 8.9, Viscosity 45. Daily mud \$405. RT Trucking, Accum. Mud \$10,200.00. Deviation 1° @ 6131.
- 11-22-99 6131'. Circulate 1/2 hr, run casing 1 1/4 hrs, cementing 1 1/2 hrs, cellar work 2 3/4 hrs, tear down 10 hrs. Mud weight 8.7, Viscosity 36. Chlorides 300, calcium 180, volume 1,800. Run a total of 158 jts 11.60# 4 1/2", K55, tally 6150', set @ 6130'. Cement w/191 sks, Class H, 10% salt, 10% Gipson, 0.6% FLA, 0.2% Anti soamer. Plug down @ 10:15 a.m. on 11-21-99. Job by Dowell.