

~~CONFIDENTIAL~~UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM14846

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

LOCO HILLS 4 FED COM. #1

9. API WELL NO.

30-015-30723 S1

10. FIELD AND POOL, OR WILDCAT

Undesignated Empire South

11. SEC., T., R., M., OR BLOCK AND SURVEY (MORRIS)
OR AREA

Sec. 4-T18S-R29E

12. COUNTY OR
PARISH

Eddy

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:

OIL
WELL ☐GAS
WELL ☒DRY ☐

N.M. Oil Cons. Division

b. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
REVR. ☐

811 S. 1st Street

Artesia, NM 88210-2834

2. NAME OF OPERATOR

LOUIS DREYFUS NATURAL GAS CORP.

3. ADDRESS AND TELEPHONE NO. 14000 Quail Springs Parkway, #600

Oklahoma City, OK 73134 (405) 749-5287

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1670' FNL & 1650' FEL SW/4 NE/4 (UL G)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

RECEIVED
OCD ARTESIA12. COUNTY OR
PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED

10/9/99

16. DATE T.D. REACHED

11/16/99

17. DATE COMPL. (Ready to prod.)

12/9/99

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

3532' GR, 3547' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

11183'

21. PLUG, BACK T.D., MD & TVD

11103'

22. IF MULTIPLE COMPL.,

ACCEPTED FOR RECORD

23. INTERVALS

DRILLED BY

ROTARY TOOLS

Yes

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

10,958' - 10,994', Morrow

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Laterlog, Neutron Density

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" J-55	54.5#	435'	17-1/2"	Surface, 550 sx. "C"	-0-
8-5/8" J-55	32#	3000'	11"	Surface, 900 sx. "C"	-0-
7" P-110	32#	9777'	7-7/8"	25' from Surface, 970 sx. "C"	-0-
4-1/2" 8RND-LT&C 11.6#		11183'		9642', 160 sx. "H"	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	10,880'	10,880'

31. PERFORATION RECORD (Interval, size and number)

10,958'-62'; 10,966'-80'; 10,982'-84';
10,986'-94'; 6 SPF, 192 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
12/9/99		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
12/9/99	4	14/64	→	2	279	-0-	139.438	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRATING (GALL. CORR.)		
3025		→	12	2784	-0-	46.6		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

Pro Well Testing

35. LIST OF ATTACHMENTS

New Mexico OCD Form C-122, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Regulatory Technician

DATE 12/22/99

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION

TOP

BOTTOM

DESCRIPTION, CONTENTS, ETC.

38.

GEOLOGIC MARKERS

NAME

TOP

MEAS. DEPTH

VERT. DEPTH

San Andres 2870'
 Bone Spring 4080'
 Wolfcamp 7780'
 Cisco 8793'
 Strawn 10010'
 Atoka 10300'
 Lower Atoka 10488'
 Morrow Clastics 10790'
 Lower Morrow 10891'

RECEIVED
 DEC 27 1999
 BLM
 ROSWELL, NM

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Dept.

Form C-122
Revised 4-1-91

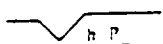
OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Operator LOUIS DREYFUS				Lease or Unit Name LOCO HILLS '4' FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/9/99		Well No. 7	
Completion Date 12/8/99		Total Depth 11183		Plug Back TD 1114		Elevation 3532	
Casing Size 4 1/2		Casing WL 11.6		Casing d 4.000		Casing Set At 11183	
Log Size 2-3/8		Log WL 4.7		Log d 1.995		Log Set At 10880	
Type Well - Single - Bradenhead - G.C. or G.C. Multiple single				Packer Set At 10880		Formation LOWER MORROW	
Producing thru TBG		Reservoir Temp. °F 182.8		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2	
L 10880		H 10880		G _g .660		% CO ₂ .066	
				% N ₂ 1.518		% H ₂ S -0-	
				Prover -0-		Meter Run 3.068	
						Taps FLG	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X Orifice Size	Press. psia	Diff. h _o	Temp. °F	Press. psia	Temp. °F	Press. psia	Temp. °F	
51						3420		PKR		
1.	3.068 X 1.500		284.6	11"	61 °	3360		"		60 min
2.	3.068 X 1.500		294.9	25.6"	54.3 °	3300		"		60 min
3.	3.068 X 1.500		306.8	53.0"	47 °	3200		"		60 min
4.	3.068 X 1.500		314.2	122	54 °	3025		"		60 min
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcf/d
1.							786
2.							1248
3.							1875
4.							2784
5.							

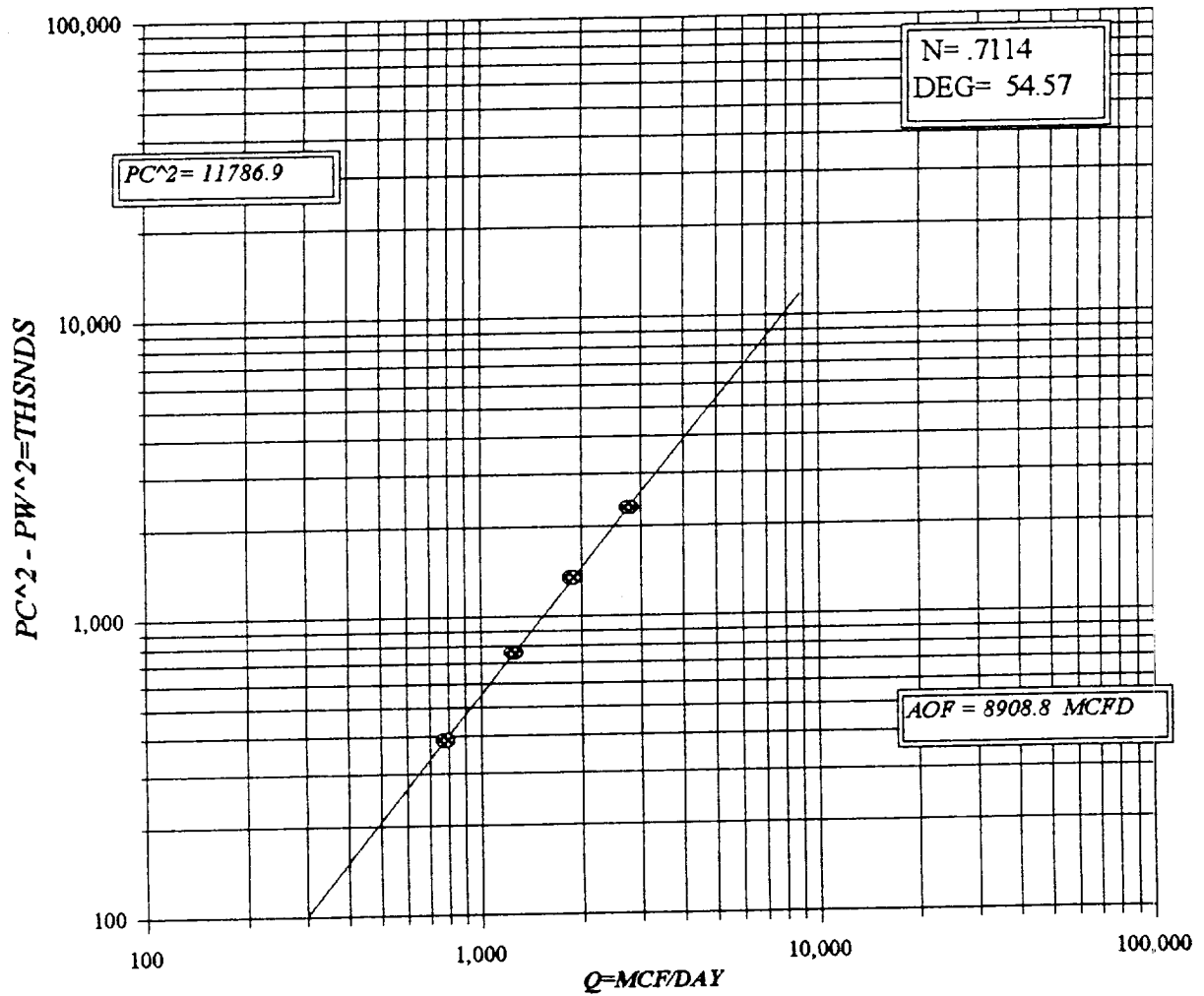
NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Method
1.					139.438	
2.					46.6	
3.					.660	
4.					N/A	
5.						

TOTAL FLOW					Specific Gravity Separator Gas	XXXXXX
					Specific Gravity Flowing Fluid	XXXXXX
					Critical Pressure	672 PSIA
					Critical Temperature	373 °R

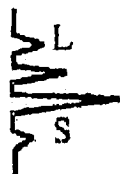
Absolute Open Flow 8908.8		Mcf/d @ 15.025		Angle of Slope θ 54.57		Slope n .7114	
Remarks: * WELL MADE 2 BRLS OF 46.6 GRAVITY CONDENSATE DURING TEST							
Approved By Division		Conducted By: PRO WELL TESTING		Calculated By: MB		Checked By: BM	



LOUIS DREYFUS
LOCO HILLS "4" FED COM # 1





**Laboratory Services, Inc.**

4016 Flasta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Loco Hills 4 Fed. Com. #1
COMPANY: Louis Dreyfus Natural Gas
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 12/8/99 8:00 pm
ANALYSIS DATE: 12/9/99
PRESSURE - PSIG 50
SAMPLE TEMP. °F
ATMOS. TEMP. °F
REMARKS: Crude Oil API Gravity @ 60° F = 46.6

GAS (XX) LIQUID ()
SAMPLED BY: Lane Thorp
ANALYSIS BY: Vickie Walker

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)		
Nitrogen (N ₂)	1.518	
Carbon Dioxide (CO ₂)	0.086	
Methane (C ₁)	85.666	2.163
Ethane (C ₂)	8.108	0.794
Propane (C ₃)	2.890	0.118
i-Butane (iC ₄)	0.361	0.190
n-Butane (nC ₄)	0.603	0.069
i-Pentane (iC ₅)	0.189	0.052
n-Pentane (nC ₅)	0.145	0.187
Hexane Plus (C ₆ +) <u>0.456</u>		
	100.000	3.573

MOLECULAR WT. 19.1018

BTU/CU.FT. - DRY 1148
AT 14.650 DRY 1144
AT 14.650 WET 1124
AT 14.73 DRY 1151
AT 14.73 WET 1131

SPECIFIC GRAVITY -
CALCULATED 0.660
MEASURED

