District f PO Box 1980, Hobbs, NM \$8241-1980 District II PO Drawer DD, Artesia, NM \$8211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerala & Natural Resources Der

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-101 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

AMENDED REPORT

21 21 21

 $\delta_{\mathcal{R}}$

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE Operator Name and Address. ¹ OGRID Number Louis Dreyfus Natural Gas Corp. 14000 Quail Springs Parkway, Suite 600 25773 API Number Oklahoma City, OK 73134 30-025-34427 * Property Code ¹ Property Name " Well Ne. 23411 TORO 21 STATE COM 1 ⁷ Surface Location UL or lot no. Section Township Range Lot Ida Feet from the North/South Los Fest from the East/West Las County Η 21 19S 35E 2310 North 660 East Lea ⁸ Proposed Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Ida Fest from the North/South line Feet from the East/West Las County Wildcat Proposed Pool 1 Wi Wert" Proposed Pool 2 Undesignated Devonian CUndesignated Morrow Work Type Code 12 Well Type Code 13 Cable/Rotary " Lense Type Code ¹⁴ Ground Level Elevation Ν H C R Ρ 3752' ¹⁴ Multiple " Proposed Depth 18 Formation " Contractor ³⁰ Soud Date Y 14,000' Devonian 7/1/98 ²¹ Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Secks of Ceme Estimated TOC 17 1/2" 13 3/8" 54.5# 620 600 <u>Surface</u> 12 1/4" 9 5/8" 40# 5200 1200 Surface 8 1/2" 7" 23# 14000 1100 5000' Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new preductive mae. Describe the blowout prevention program, if any. Use additional shorts if necessary. ۳9 Drill 17 1/2" hole to ± 620 '. Run 13 3/8" casing and cement to surface with 400 Serid Expires sxs. BJ Lite w/6% gel, 1/4#/sx. cello flake and 2% calcium chloride. Follow with 200 sxs. class C w/2% calcium chloride. Drill 12 1/4" hole to ±5200'. Run 9 5/8" casing and cement to surface with 1,000 sxs. BJ Lite containing 6% gel, 5 lb/sx. salt and 1/4/sx. cello flake. Follow with 200 sxs. class C w/2% calcium chloride. Drill 8 1/2" hole to ±14000'. Set 7" casing and coment to 0.5/8" at it. 2. Drill 12 1/4" hole to ±5200'. Run 9 5/8" casing and cement to surface with 1,000 Drill 8 1/2" hole to ±14000'. Set 7" casing and cement to 9 5/8" string. 3. ್ಷಿಷಣ್ಣ See attached "Exhibit 6" for BOP assembly. ¹⁹ I hereby certify that the information given above is true and complete to the best of my knowledge a OIL CONSERVATION DIVISION いたい おおい 大学生 Approved by: ORIGINAL SIGNE DISTRICT I SUPERVISOR IANN Printed name: Terrye D. Bryant Title: Title. Approval Date: 1 Regulatory Technician Expiration Date: 7 199A Date: Phone: Conditions of Approval : 6/10/98 (405) 749-5287

Attached 0

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian. IF THIS IS AN AMENDED REPORT CHECK THE BOX LABLED 18 Geologic formation at TD 'AMENDED REPORT' AT THE TOP OF THIS DOCUMENT. 19 Name of the intended drilling company if known. 1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office. 19 Name of the intended drilling company if known. 2 Operator's name and address 21 Proposed hole size ID inches, proposed casing OD inches casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementer volume, and estimated top of cament 4 Property code. If this is a new property the OCD will assign the number and fill it in. 22 Brief description of the proposed drilling program and BC program. Attach additional elects if necessary. 5 Property name that used to be called 'well name' 23 The signature, printed name, and title of the perecessory of the perecessory.		C.1	01 Instructions	
 AMERICED REPORT AT THE TOP OF THE DOCUMENT. Operator's DORAD number. If you do not have one it will be essigned and filled in by the District office. Operator's ansme and address AP number of this well. If this is a new drill the OCD will essign the number and fill this in. Property reams that used to be called 'well name' Property nams that used to be called 'well name' The number of this well is a new property the OCD will essign the number and fill this in. Property nams that used to be called 'well name' The number of this well on the property. The number of this well on the property. The suprevent for the location of this well at besing diffed. The propeased pactition have location of this well at basing diffed. Well type code from the following table: Add a sove Well type code from the following table: F property well Single al completion Minipbi completion Single al completion Minipbi completion Cable or rotary diffil disease: F F Foderal Bisted Single al completion Minipbi completion Cable or rotary diffing code F Foderal Sites Sites F Foderal Sites Sites	Meas	urements and dimensions are to be in feet/inches. Well loca	tions will refer to	the New Mexico Principal Meridian.
1 Operator's CORRO humber. If you do not have one it will be seeding dard filled in by the District office. 20 Anticipated spuid date. 2 Operator's name and address 20 Anticipated spuid date. 3 APT number of this wall. If this is new drill the OCD will easing the number and fill is in. 20 Property code. If this is a new property the OCD will easing the number and fill is in. 5 Property code. If this is a new property the OCD will easing the number and fill is in. 21 Brief description of the propert description of the propert in the fill in. 5 Property code. If this is a new property the OCD will easing the number of this well on the property. 23 The description of the property and the of the propert will be code of the well on the property easing the number of this well on the fill on use the the number of the number for this focation use the OCD Unit its the focation of the well as the boold Unit its attrict. 7 The proposed bottom hole location of the well as the boold Unit its attrict. The proposed pocific to which this wall is beaving distind. 8 The proposed pocific to which this wall is beaving distind. 10 9 Dird description The support of the well as the boold Unit its attrict is a for question in the report. 8 The proposed pocific to which this wall is beaving distind. 10 10 Woff type code from the following table:	IF TH	HIS IS AN AMENDED REPORT CHECK THE BOX LABLE ENDED REPORT" AT THE TOP OF THIS DOCUMENT.	D 18	Geologic formation at TD
 2 Operator's name and address 3 AP number of this well. If this is a new dril the OCD will easing the number of fit this in. 21 Property name that well. If this is a new dril the OCD will easing or depth and tog of them, propeed drilling program and tog of them, property name that well to be called 'well name'. 22 Brief description of the property the OCD will easing or depth and submated tog at the propeed drilling program and BC program. Action Additional sheets in necessary. 37 The surveyed location of this will five Marco Phriogal Meridian Morties if the United States government surveyed eleginates a Let Number for this location on the number of this well is being drilled. 38 The proposed bottom hole location of this well is being drilled. 39 and 10 The proposed pool(s) to which this well is being drilled. 31 Work type code from the following table: 31 Work type code from the following table: 31 Cable or retary drilling code 31 Cable or retary drilling code 32 Cable or retary drilling code 33 Cable or retary drilling code 34 Carbon discled well 35 SWD well 36 Ground lavel states to dowing table: 36 Ground lavel states to dowing table: 37 Ground lavel states to dowing table: 38 Ground lavel states to the following table: 40 Lasse type code from the following table: 5 State 5 Ground lavel states and the analy table: 5 Ground lavel states and the states table: 41 Ure to mutiple completery Yes or No 	1	Operator's OGRID number. If you do not have one it wi be assigned and filled in by the District office.	N L L	
 AP number of this well. If this is a new drill the OCD will easing respire the number and fill this in. Preperty code. If this is a new drill the OCD will easing or specified atting program and set mande and fill this. Preperty code. If this is a new property the OCD will easing or specified atting program and set mande and fill this. Preperty name that used to be called 'well name' The number of this well on the property. The number of this well on the property. The surveyed location of this well Kew Maxico Phrologal Meridian in the program. Attach additional sheets in call for question different sheets the report we signed and the telephone number to call for question different sheets the report. The proposed pool(s) to which this well is being drilled. Work type code from the following table: N Mew well R Resnry D Diff desper P Hugback A Add a zone Wear supply well C Carbon discles tool drill R Propose to cable tool drill K Resnry C Carbon discles well S and 10 The propose to cable tool drill R Propose to cable tool drill K Propose to cable tool dri	2	Operator's name and address		
 Property code. If this is a new property the OCD will assign the number of Rill it in. Property name that used to be called 'well name' Property name that used to be called 'well name' The number of this well on the property. The number of this well on the property. The subscrept in the full it is a new property. The subscrept is the number to this well on the property. The subscrept is the number to the property as the full is the integration of the property designates a Lot Number for the location use that number is use the CCD Unit state. The propessed bottom hole location of this well is the sing dilled. The propessed pool(s) to which this well is the sing dilled. Work type code from the following table: A fadd a zone Single al completion G Single ge completion G Single ge completion G Single ge completion Mumber completion<	3	API number of this well. If this is a new drill the OCD wi assign the number and fill this in.	I	casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed communic
 Property name that used to be called 'well name' The number of this well on the property. The survayed location of this will New Mozico Principal Meridian HOTE; If the United States government survay digneties a Lot Number for this location well at the OCD Unit Latter. The proposed bottom hole location of this well at TD and 10 The proposed pooligi to which this well is besing dilled. Work type code from the following table: N New well R Re-entry D Drill desper P Publication Single accompletion G Single completion G Single completion G Single completion G Carbon dioxide well C Carbon dioxide well C Carbon dioxide well C Carbon dioxide well C Carbon the following table: F Foderal S State P Private N Navajo J Juliarilia U to C Ground level station S Ground level station, above sea lavel Intend to mutiple completo? Yes or No 	4	Property code. If this is a new property the OCD will	. <u>22</u>	Brief description of the proposed drilling program and EC
 6 The number of this well on the property. 7 The number of this well on the property. 7 The surveyed location of the well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for the location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Latter. 8 The proposed bottom hole location of this well is beeing drilled. 9 and 10 The proposed pool(s) to which this well is beeing drilled. 11 Work type code from the following table: N New well 8 Reamty 9 Diff desper P Plugback A ddf a zone 12 Well type code from the following table: 1 West type code from the following table: 1 Ligetion well 3 SWD well 3 SWD well 4 Lasse type code from the following table: 13 Cable or rotary drilling code C Propose to cable tool drill 8 Federal 9 Bate 9 Private N Navajo 1 Julicating 1 Carlson is tool tool 2 Ground level isoration glove see level 5 Ground level isoration above see level 6 Intend to mutiple completa? Yee or No 		المراجعة ويرام مراجع المراجع . المراجعة المراجع المراجع المراجع		program. Attach additional sneets if necessary.
 International of the week on the property. The surveyed location of this well New Maxico Principal Meridiam NOTE: If the United States government survey designates a Lot Number for the location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Latter. The proposed bottom hole location of this well is basing drilled. The proposed pool(s) to which this well is basing drilled. Work type code from the following table: N New well R Re-antry D Diff despor P Hugback A Add s zone Well type code from the following table: O Single oil completion G Single ges completion G Single ges completion G Carbon dioxide well Cable or rotary drilling code C Carbon dioxide well S Sitos P Propose to rotary drill Lesse type code from the following table: F F foderal S Sitos P Privas M Nevajo J Jacarille U the C Ground level devestion above sea lavel G Ground level devestion above sea lavel Intend to mutiple completo? Yes or No 		يعم معنية مع الأمسيان في الأسميان في الم	23	The signature, printed name, and title of the person suthorized to make this report. The date this report was
 7 The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or tor no.' box. Otherwise use the OCD Unit Latter. 8 The proposed bottom hole location of this well at TD 9 and 10 The proposed pool(s) to which this well at besing drilled. 11 Work type code from the following table: N New well E Re-artry D Drill desper P Pubpack A Add s zone 12 Well type code from the following table: N New well E Re-artry D Drill desper P Pubpack A Add s zone 13 Cable or rotary drilling code C Propose to cable tool drill R Propose to the following table: F Federal S State P Propose to cable tool drill R Propose to the following table: G Ground lavel except y drilling U to the following table: F Federal S State P Private N Newsio G Carbon dioxide well 14 Lease type code from the following table: F Federal S State P Private N Newsio J Joaritia U Ute I Other Indian tribe 15 Ground lavel elevation above seas layed 6 Intend to mutiple completion fable:	•			signed and the telephone number to call for question
Latter. 8 The proposed bottom hole location of this well at TD 9 and 10 The proposed pool(s) to which this well is besing drilled. 11 Work type code from the following table: N New well E Re-entry D Ditl desper P Pupback A Add a zone 12 Well type code from the following table: O Single se completion I I brieston well S SWD well W Water supphy well C Carbon divide well 13 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drill 14 Lesse type code from the following table: F Federal S State P Private N Navajo J Jiaritte U Ute I Other Indian tribe 5 Ground level startion above eas level 6 Intend to mutiple complete? Yes or No	7	Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number	· · · · ·	and the second sec
9 and 10 The proposed pool(s) to which this well is beeing drilled. 11 Work type code from the following table: N New well E Re-antry D Drill desper P Plugback A Add a zone 12 Well type code from the following table: O Single oil completion G Single oil completion I Injection well S SWD well W Water supply well C Carbon dioxide well 13 Cable or rotary drilling code C Propose to cable toil drill R Propose to code from the following table: F Federal S Btate P Private N Navio J Jicaritis U Ute I Other Indian tribe 5 Ground level elevation above see level 6 Intend to mutiple complete? Yes or No				and the second
 11 Work type code from the following table: N New well E Re-entry D Drill desper P Plugbeck A Add a zone 12 Well type code from the following table: O Single gee completion G Single gee completion G Single gee completion I Injection well S SWD well W Weter supply well C Carbon dioxide well 13 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drilling code C Propose to cable tool drill R Propose to rotary drilling 4 Lesse type code from the following table: F Federal S Batte P Private N Navajo J Jicarilla U Uta I Other Indian tribe 5 Ground level slevation above sea level 6 Intend to mutiple complete? Yee or No 	8	The proposed bottom hole location of this well at TD		
 11 Work type code from the following table: N New well E Re-entry D Drill desper P Plugbeck A Add a zone 12 Well type code from the following table: O Single gee completion G Single gee completion G Single gee completion I Injection well S SWD well W Weter supply well C Carbon dioxide well 13 Cable or rotary dilling code C Propose to cable tool drill R Propose to rotary dilling code C Propose to rotary dilling 4 Lesse type code from the following table: F Federal S Batta P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground level slavation above asa level 6 Intend to mutiple complete? Yee or No 	9 and	10 The proposed pool(s) to which this well is beeing drilled.	•	
N Now well E Re-entry D Dril desper P Physback A Add a zone 12 Well type code from the following table: O Single gee completion G Single gee completion M Mutiple completion I Injection well S SWD well W Water supply well C Carbon dioxide well I3 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drilling code C Propose to rotary drilling table: F F Federal S State P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground lavel elavation above see lavel 6 Intend to mutiple complete? Yes or No	•••	4° -		
 P Plugback A Add = zone 12 Well type code from the following table: C Single oil completion G Single get completion M Mutiple completion I Injection well S SWD well W Water supply well C Carbon dioxide well 13 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drill 14 Lease type code from the following table: F Federal S State P Private N Navajo J Jlcaritie U Ute Other Indian tribe 5 Ground level slevation above see level 6 Intend to mutiple complete? Yee or No 		N New well	• · ·	
A Add a zone 12 Well type code from the following table: O Single oil completion G Single completion I Injection well S SWD well W Water supply well C Carbon dioxide well 13 Cable or rotary drilling code C Propose to cable tool drill R Propose to cotary drill 4 Lasse type code from the following table: F Federal S State P Private N Navejo J J. caritta U Ute I Other Indian tribe 5 Ground level elevation above see level 6 Intend to mutiple complete7 Yes or No				
0 Single gie completion G Single gie completion M Mutiple completion I Injection well S SWD well W Water supply well C Carbon dioxide well I3 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drill 4 Lesse type code from the following table: F Federal S State P Private N Navajo J Jicaritia U Ute I Other Indian tribe 5 Ground level elevation above see level 6 Intend to mutiple complete? Yes or No			· · · ·	, a contra
G Single ges completion M Mutiple completion I Injection well S SWD well W Water supply well C Carbon dioxide well I3 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drill 4 Lesse type code from the following table: F Federal S State P Private N Navajo J Jicaritia U Ute I Other Indian tribe 5 Ground level elevation above see level 6 Intend to mutiple complete? Yes or No	12	Well type code from the following table:		
Multiple completion I Injection well S SWD well W Water supply well C Carbon dioxide well I3 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drill 4 Lesse type code from the following table: F Federal S State P Private N Navajo J Jicaritia U Ute I Other Indian tribe 5 Ground level elevation above sea lavel 6 Intend to mutiple complete? Yas or No		_		• • • •
I Injection well S SWD well W Water supply well C Carbon dioxide well III Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drill 4 Lesse type code from the following table: F Federal S State P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				الحالي المحمد المحم
 S SWD well W Water supply well C Carbon dioxide well C Carbon dioxide well C Carbon dioxide well C Propose to cable tool drill R Propose to rotary drill Lease type code from the following table: F Federal S State P Private N Navajo J Jicarilla U Uta I Other Indian tribe Ground level elevation above sea level Intend to mutiple complete? Yes or No 				
W Water supply well C Carbon dioxide well 3 Cable or rotary drilling code C Propose to cable tool drill R Propose to rotary drill 4 Lesse type code from the following table: F Federal S State P Private N Navajo J Jlcarilla U Uta I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No			•	
C Carbon dioxide well C Carbon dioxide well C Propose to cable tool drill R Propose to rotary drill Lesse type code from the following table: F Federal S State P Private N Navajo J Jicarilla U Ute I Other Indian tribe S Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				
C Propose to cable tool drill R Propose to rotary drill 4 Lease type code from the following table: F Federal S State P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				
R Propose to rotary drill 4 Lease type code from the following table: F Federal S State P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No	3			
F Federal S State P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				
F Federal S State P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No	4	Lease type code from the following table:		
P Private N Navajo J Jicarilla U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				
N Navajo J Jicarilla U Uta I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No		S State		
J Jicarilla U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				
U Ute I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No		N Navajo		
I Other Indian tribe 5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				· · · · · · · · · · · · · · · · · · ·
5 Ground level elevation above sea level 6 Intend to mutiple complete? Yes or No				K & B
5 Ground level elevation above sea level 6 Intend to multiple complete? Yes or No		·····	-	
5 Intend to multiple complete? Yes or No	5	Ground level elevation above sea level		
	6 	Intend to mutiple complete? Yes or No		
	7	Proposed total depth of this well		180865
	С. м.	and the second		

.



TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER & CHOKE MANIFOLD SCHEMATIC



Typical Choke Manifold Designed for Land Drilling Applications

-2.5

- T. 7. 100 10 17 10

TT TT

-

DISTRICT 7 P.0. Box 15-10, Hobbs, NM 88241-1980

DISTRICT II P.O. Drawer DD, Artesia, NM 86211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 67410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2086 State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34422	Pool Code Undesignated Devonian/U	Name Wildcat
Property Code	Property Name	Well Number
23411	TORO 21 STATE COM	1
ogrid No.	Operator Name	Elevation
25773	LOUIS DREYFUS NATURAL GAS CORP.	3752
	Surface Location	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	21	19 S	35 E		2310	NORTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill 0	onsolidation	Code Or	der No.				
320	1	N							

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

· · · · · · · · · · · · · · · · · · ·	·····	T		
				OPERATOR CERTIFICATION
				I hereby certify the the information contained herein is true and complete to the
				best of my knowledge and belief.
				1 00 1
			- 2310	Signature Sugar
				Terrye D. Bryant
				Printed Name
				Regulatory Technician Title
				June 10, 1998
			○ 660' -	Date
				SURVEYOR CERTIFICATION
				I hereby certify that the well location shown
				on this plat was plotted from field notes of actual surveys made by me or under my
	;			supervison, and that the same is true and correct to the best of my belief.
				correct to the vest of my deney.
				MAY 29, 1998
				Date Surveyer DMCC Signature & Seal Dr.
	I			Professional Surveyor
	1			13 Non
				Ban 2012 (ma 6-2-98
				98-11-084
				Certificate, No. RONALD EIDSON 3239
				DFESSIACCA McDONALD 12185
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			

APM.



--

-.. **.**

.