SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR DEEPEN					5. LEASE DESIGNATION AND SERIAL NO. NMNM-0359212 6. IF INDIAN, ALLOTTER OR TRIBE NAME N/A		
	DOMINION OK	TX exp.	E Prod	Hende	erson 5 1		
3. ADDRESS AND TELEPHONE NO	5 3 3 4 4 4 4 3 5	- Corp. '	(405) 749-13	30-04	5-30534		
14000 Quail	Springs Pkwy.	, #600, O	K City, Ok. 7313	F Coal & W	Kufz PC Fx		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 880' FNL & 705' FEL					OR BLK.		
At proposed prod. zo	^{one} Same			Ι Δ	A5-26n-11w NMPM		
	AND DIRECTION FROM NEA		T OFFICE*	12. COUNTY OR PA	RISH 13. STATE		
14 air miles	S of Bloomfie	eld	16. NO. OF ACRES IN LEASE	San Juan	NM		
LOCATION TO NEARE PROPERTY OR LEASE (Also to nearest dr 18. DISTANCE FROM PRO	LINE, FT. rlg. unit line, if any)	705'	401.08	NE/4160.61 8	321.08//2		
TO NEAREST WELL, OR APPLIED FOR, ON T	DRILLING, COMPLETED,	>1 mi.	2,000'	20. ROTARY OR CABLE TOOLS	Rotary		
21. ELEVATIONS (Show w	6	,242' ung	raded	July 12, 2001			
22.		PROPOSED CASI	NG AND CEMENTING PROGRA	M			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	<u> </u>	QUANTITY OF C			
7-7/8"	J-55 8-5/8" J-55 5-1/2"	15.5	250'		& to surface & to surface		
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			cc: BIA, BLM, Ga	abbard, NAPI, OCD (via	BLM), Tribe		
N ABOVE SPACE DESCRIP begen directionally, give per	BE PROPOSED PROGRAM: If tinent data on subsurface locario	proposal is to deepen, ns and measured and tr	give data on present productive zone ue vertical depths. Give blowout preve	and proposed new productive zone, nter program, if any.	If proposal is to drill or		
SIGNED STORES	- Wood	TIT	Consultant (505) 4	166-8120	1 - 6 - 0 1		
	eral or State office use)						
PERMIT NO.			APPROVAL DATE				
Application approval does		plicant holds legal or eq	uitable title to those rights in the subject	lease which would entitle the applicant	to conduct operations thereor		
let	Charlie Beechar	n		JUL 1	2 202		

UNITED STATES

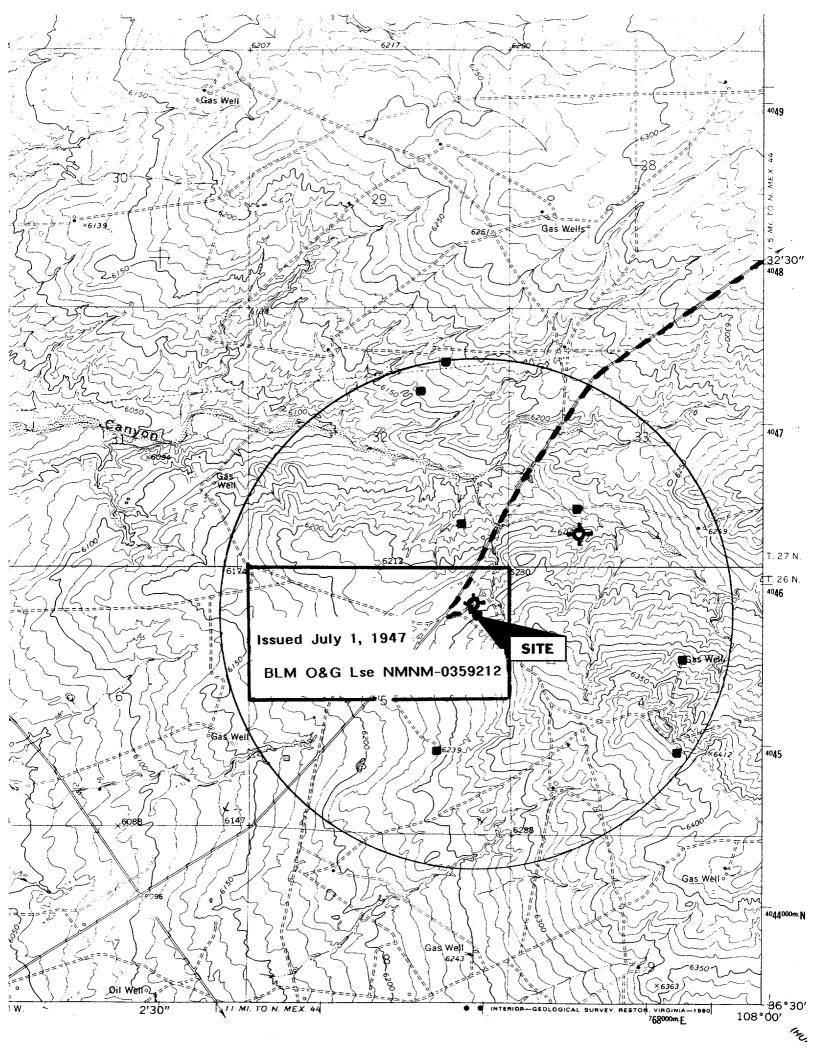
District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 District III

State of New Mexico Energy, Minerala & Natural Resources Department

Form C-102 Revised October 18, 1994 Instructions on back

OIL CONSERVATION DIVISION:

District III				OIL C	ONSER	VAT	FION DIVISION	ON:	, S u	ibmit to A	Прргоргія	te District Offi
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Louis Dreyfus Natural Gas Corp. Henderson 5 1 880' FNL & 705' FEL Sec. 5, T. 26 N., R. 11 W. San Juan County, New Mexico

Drilling Program

1. ESTIMATED FORMATION TOPS

Formation Name	GL Depth	KB Depth	Subsea Elevation
Nacimiento Fm	000'	14'	+6,242'
	350'	364'	+5,892'
,	751'	765'	+5,481'
	1,166'	1,180'	+5,076'
	•	1,690'	+4,566'
	,	1,710'	+4,546'
	•	1,861'	+4,395'
	2,000'	2,014'	+4,242'
Ojo Alamo Ss Kirtland Sh Fruitland Fm Base Fruitland Coal Pictured Cliffs Ss Base of Pictured Cliffs Total Depth (TD)*	350' 751' 1,166' 1,676' 1,696' 1,847'	364' 765' 1,180' 1,690' 1,710' 1,861'	+5,892 +5,481 +5,076 +4,566 +4,546 +4,395

^{*} all elevations reflect the ungraded ground level of 6,242'

2. NOTABLE ZONES

Gas Zones	Water Zones	<u>Coal Zones</u>
Ojo Alamo Ss (350')	Nacimiento Fm (000')	Kirtland Sh (751')
Fruitland Fm (1,166')	Ojo Alamo Ss (350')	Fruitland Coal (1,166')
Pictured Cliffs (1.847')	Fruitland Fm (1.166')	

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Oil and gas shows will be tested for commercial potential based on the well site geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. A typical 3,000 psi model is on PAGE 3. It will be



Louis Dreyfus Natural Gas Corp. Henderson 5 1 880' FNL & 705' FEL Sec. 5, T. 26 N., R. 11 W. San Juan County, New Mexico

installed once the surface casing is cemented.

Onshore Order 2 standards will be followed for BOP, choke manifold, accumulator system, closing unit power, and locking devices installation, operation, maintenance, and tests. Hydraulic controls will be located on the rig floor. Manual controls will be hand wheels. Remote control for the accumulator will be 100' - 120' from the drill hole. Kill line will not be used a a fill line.

Ram type preventers and associated equipment (choke manifold, kelly cocks, etc.) will be tested to 100% of their rated working pressure (BOP stack isolated from casing by a test plug) for 10 minutes. Annular preventers will be tested to 50% of rated working pressure for 10 minutes. Tests will be run after initial installation, before drilling out of each casing shoe, and after any use under pressure; or a minimum of once every 14 days. Pipe rams will be operationally checked each 24 hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Annular preventers will be functionally operated at least weekly. Such checks of BOP equipment will be noted on daily drilling reports.

4. CASING & CEMENT

Hole Size	<u>O.D.</u>	Weight (lb/ft)	<u>Grade</u>	<u>Age</u>	GL Setting Depth
11"	8-5/8"	24	J-55	New	250'
7-7/8"	5-1/2"	15.5	J-55	New	2,000'

Surface casing will be cemented to surface with ≈ 185 sx Class H + 3% CaCl₂ + 1/4 pound per sack Cello-Seal. If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to the surface through 1" pipe using Class H + 3% CaCl₂.

Production casing will be cemented to the surface with ≈ 200 sx Halco Lite + 5 pounds per sack Gilsonite + 1/4 pound per sack Flocele® followed by ≈ 100 sx 50/50 Poz A + 2% gel + 0.5% Halad 322. Volumes to be determined by caliper.

