

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address. THE HOME-STAKE ROYALTY CORPORATION 15 E. 5th Street, Suite 2800 Tulsa, OK 74103-4311		OGRID Number 63123
Property Code 21057		API Number 919-583-078 30-025-34043
Property Name REPUBLIC		Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	5	22S	37E		1650'	North	1650'	East	Lea

Proposed 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

Proposed Pool 1	Proposed Pool 2
BRUNSON (FUSSELMAN)	

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	0	R	P	3438'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	7500'	Fusselman	Unknown	June 15, 1997

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	400'	425 Sx	Surface
12-1/4"	8-5/8"	32#	3600'	2295 Sx	Surface
7-7/8"	5-1/2"	14# & 15.5#	7500'	234 Sx	6500' *

\* Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Drill 17-1/2" hole to  $\pm$  400', set 13-3/8" casing, circulate cement to surface - No BOP.
2. Drill 12-1/4" hole to base of anhydrate @ 3000'-3800'. Set 8-5/8" casing, circulate cement to surface. 13-5/8" 3000 PSI BOP.
3. Drill 7-7/8" hole to TD, set 5-1/2" casing, cement w/ $\pm$  1000' coverage. 13-5/8" 3000 PSI BOP.
4. Test well as necessary w/7-1/16" 3000 PSI BOP.

\* MUST BRING CEMENT ABOVE 3600'

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Howard E. Gray</i>		OIL CONSERVATION DIVISION	
Printed name: Howard E. Gray		Approved by: Orig. Signed by Paul Kautz	
Title: Vice-President of Operations		Title: Geologist	
		Approval Date: 11-2-97	Expiration Date:

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

## C-101 Instructions

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 LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

program. Attach additional sheets if necessary.

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The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.

- 1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'
- 6 The number of this well on the property.
- 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 lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD
- 9 and 10 The proposed pool(s) to which this well is being drilled.
- 11 Work type code from the following table:
 

N	New well
E	Re-entry
D	Drill deeper
P	Plugback
A	Add a zone
- 12 Well type code from the following table:
 

O	Single oil completion
G	Single gas completion
M	Multiple 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:
 

S	State
P	Private
- 15 Ground level elevation above sea level
- 16 Intend to multiple complete? Yes or No
- 17 Proposed total depth of this well
- 18 Geologic formation at TD
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 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 cementing volume, and estimated top of cement
- 22 Brief description of the proposed drilling program and BOP

