

Form 3160-2
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED

OMB No. 1004-0136

Expires November 30, 2000

5. Lease Designation and Serial No.

NMSF078476

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement, Name and No.

26850

8. Lease Name and Well No.

FEDERAL I #1A

9. API Well No.

30-045-30802

10. Field and Pool, or Exploratory

BLANCO MESAVERDE

11. Sec., T., R., M., or Blk. and Survey or Area

E SEC 15; T-27N; R-8W

1a. Type of Work ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

PHOENIX HYDROCARBONS OPERATING CORPORATION

3a. Address

P O BOX 3638, MIDLAND, TX 79705

3b. Phone Number

915 682-1186

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

At surface: 1825' FNL & 1140' FWL; E; SEC 15; T-27N; R-8W

At proposed prod. Zone: Same

14. Distance in miles and direction from nearest town or post office*

20 SOUTH OF BLANCO

12. County or Parish,

SAN JUAN

13. State

New Mexico

15. Distance from proposed* N/A

location to nearest

property or lease line, ft.

(Also to nearest drlg. Unit line, if any)

16. No of Acres in lease

320

17. Spacing Unit dedicated to this well

320 w/2

18. Distance from proposed* N/A

location to nearest

property or lease line, ft.

19. Proposed Depth

4720'

20. BLM/BIA Bond No. on file

BLM NM 2887

21. Elevation (Show whether DF, KDB, RT, GL, etc.)

GL 5911'

22. Approximate date work will start*

10/18/01

23. Estimated duration

8 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer

Size of Hole	Grade, Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
11"	8-5/8	24#	230'	100 sks Halliburton class "B", circ to surf
7-7/8"	4-1/2	10.5#	4720'	1235 sks Halliburton class "A", w/2% CaC12, circ to surf

SEE ATTACHED APD INFORMATION

25. Signature

Gregg A. Biano

Name (Printed/Typed)

GREGG BAIANO

Date

8/24/01

Title Engineer

Approved by (Signature)

[Signature]
HAFM

Name (Printed/Typed)

Office

Date

11/14/01

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

NMOCD

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

MAY 07 2001

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-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32802	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 26850	⁵ Property Name FEDERAL	⁶ Well Number I-1A
⁷ OGRID No. 188483	⁸ Operator Name PHOENIX HYDROCARBONS OPERATING CORP.	⁹ Elevation 5911

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	27N	8W		1825	NORTH	1140	WEST	SAN JUAN

¹¹ 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

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<div data-bbox="142 942 607 1869"> <p>16</p> </div>	<div data-bbox="607 942 1076 1869"> </div>	<div data-bbox="1076 942 1558 1401"> <p>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature: <i>Gregg B. Biano</i> Printed Name: GREGG BAIANO Title: ENGINEER Date: 8/20/01</p> </div>
		<div data-bbox="1076 1401 1558 1869"> <p>18 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 supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey: April 4, 2001 Signature and Seal of Professional Surveyor: <i>Cecil B. Tullis</i> Certificate Number: 9672</p> </div>

New Mexico Oil Conservation Division
C-102 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

1. The OCD assigned API number for this well
2. The pool code for this (proposed) completion
3. The pool name for this (proposed) completion
4. The property code for this (proposed) completion
5. The property name (well name) for this (proposed) completion
6. The well number for this (proposed) completion
7. Operator's OGRID number
8. The operator's name
9. The ground level elevation of this well
10. The surveyed surface location of this well measured from the section lines 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.
11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
12. The calculated acreage dedicated to this completion to the nearest hundredth of an acre
13. Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this acreage
14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:

C	Communitization
U	Unitization
F	Forced pooling
O	Other
P	Consolidation pending

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15. Write in the OCD order(s) approving a non-standard location, non-standard spacing, or directional or horizontal drilling
16. This grid represents a standard section. You may superimpose a non-standard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. (Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole show that portion of the well bore that is

open within this pool.

Show all lots, lot numbers, and their respective acreage.

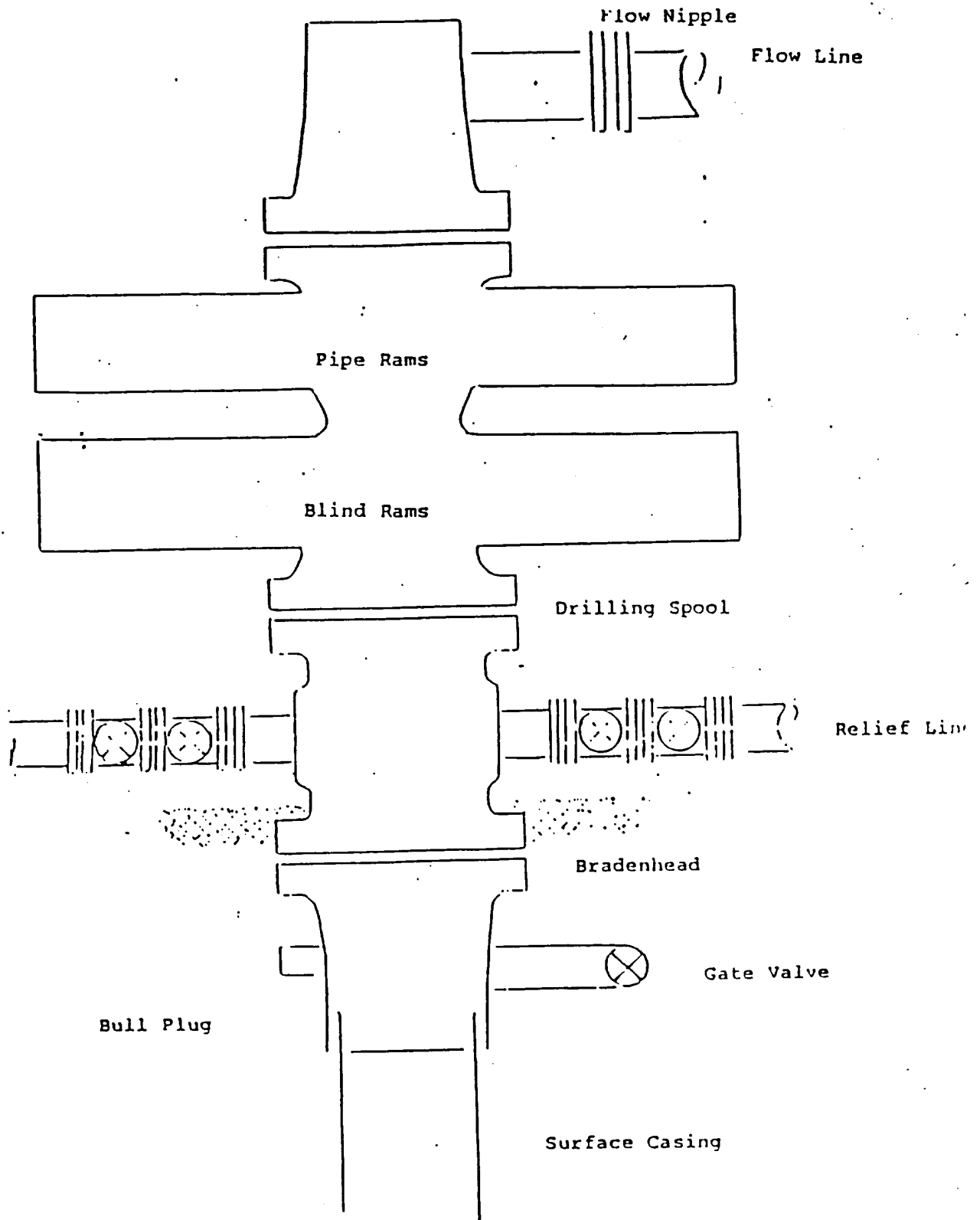
If more than one lease has been dedicated to this completion, outline each one and identify the ownership as to both working interest and royalty.

17. The signature, printed name, and title of the person authorized to make this report, and the date this document was signed.
18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.

PHOENIX HYDROCARBONS OPERATING CORP.
 FEDERAL I-1A
 1825 F/NL & 1140 F/WL
 SEC. 15 T27N R8W N.M.P.M.
 SAN JUAN COUNTY, N.M.

The map is a topographic representation of a section of land in San Juan County, New Mexico. It features a grid system with section numbers 1825 and 1140. The terrain is characterized by numerous contour lines indicating elevation. Several canyons are labeled, including 'Canyon' in the upper left, 'CANYON' in the center, 'Canyon' in the lower left, and 'Jaques Canyon' at the bottom. A well location is marked with a black dot and labeled '1140'. Other features include 'SAND' in the lower right, '4WD' (4-wheel drive) in the bottom right, and various spot elevations and contour values such as 5882, 5867, 5939, 5931, 5932, 5934, 5936, 5937, 5938, 5939, 5940, 5941, 5942, 5943, 5944, 5945, 5946, 5947, 5948, 5949, 5950, 5951, 5952, 5953, 5954, 5955, 5956, 5957, 5958, 5959, 5960, 5961, 5962, 5963, 5964, 5965, 5966, 5967, 5968, 5969, 5970, 5971, 5972, 5973, 5974, 5975, 5976, 5977, 5978, 5979, 5980, 5981, 5982, 5983, 5984, 5985, 5986, 5987, 5988, 5989, 5990, 5991, 5992, 5993, 5994, 5995, 5996, 5997, 5998, 5999, 6000. The map also shows various other features like 'BM' (benchmark), 'GWS' (ground water surface), and 'x' marks.

for Mesaverde Well



Series 900 Double Gate BOP, rated at 3000 psi Working Pressure. When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

DIAGRAM #1