

UNITED STATES
DEPARTMENT OF
BUREAU OF LAND
MANAGEMENT
APPLICATION FOR PERM

OPER. OGRID NO. 18817
PROPERTY NO. 18647
POOL CODE 59476
EFF. DATE 2/27/96
API NO. 30-025-333D4

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

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Ray Westall

3. ADDRESS AND TELEPHONE NO.

P.O. Box 4, Loco Hills NM. 88255 (505) 677-2370

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

At surface

660' FNL & 660' FEL

At proposed prod. zone
same

Unit A

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16 miles SW of Loco Hills

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7800

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3615'

22. APPROX. DATE WORK WILL START*

ASAP

23.

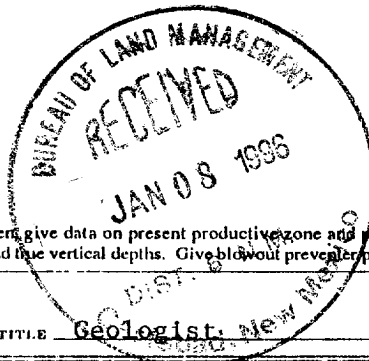
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20" 17 1/2"	13 3/8" H-40	48# STC	500	350 sxs circulated
12 1/2" or 11"	8 5/8" J-55	28 & 32#	2900 TIE	500 sxs circulated
7 7/8"	5 1/2" J-55	17 #	7800 BACK	700 sxs "H" 1st stage
				500 sxs 2nd state (tie back)
				with DV Tool @ 7000'

The surface hole will be drilled with fresh water, intermediate with 10# brine, production with cut brine 8.7-8.9#.

A 10" 900s BOP will be installed on the 8 5/8" casing and tested to 3,000# prior to drill out.

If well is productive the 5 1/2" casing will be cemented at TD. If non-productive the well will be plugged and abandoned.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on surface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

TITLE

Geologist

DATE 12/18/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

CONDITIONS OF APPROVAL, IF ANY:

Timothy P. O'Brien

APPROVED BY

TITLE

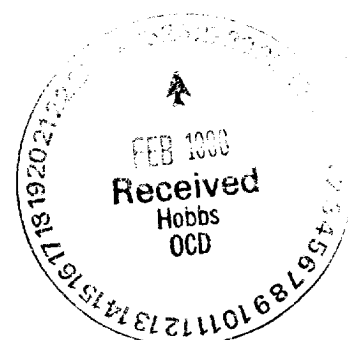
Unit A

AREA MANAGER

DATE

FEB 21 1996

*See Instructions On Reverse Side



District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 10, 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

API Number 30-025-33324		Pool Code 59476	Pool Name CRAZY HORSE Bone Spring
Property Code 18647	Property Name Anadarko Federal GUN SMOKE		Well Number 1
OGRID No. 18862	Operator Name Ray Westall		Elevation 3615

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
A	24	19 S	32E		660	North	660	East	Lea

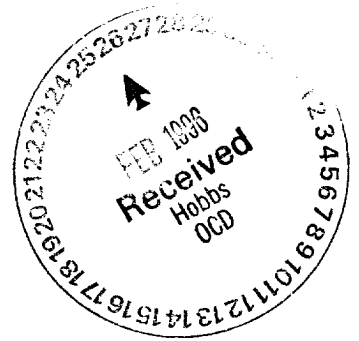
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 40	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

16				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature: </p> <p>Printed Name: RANDALL HARRIS</p> <p>Title: GEOLOGIST</p> <p>Date: 12/18/95</p>
				<p>18 SURVEYOR CERTIFICATION</p> <p>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>October 23, 1995</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: </p> <p>8112</p> <p>Certificate Number</p>



APPLICATION FOR DRILLING

Ray Westall
Gun Smoke Federal No. 1
660 FNL & 660 FEL
Section 24
Township 19 South, Range 32 East
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Ray Westall submits the following ten items of pertinent information in accordance with BLM requirements:

1. The geological surface formation is Quaternary.
2. The estimated tops of geologic markers are as follows:

Yates	3470
Delaware	5800
Bone Springs	7600
3. The estimated depths at which anticipated water, oil & gas formations are expected to be encountered:

Water	0-180'
Oil and gas zones	3470-7600'
4. Proposed casing program: See 3160-3
5. Pressure Control Equipment:

A 10" 900s BOP will be installed on the 8 5/8" casing and tested to 3,000# prior to drill out.
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6. Mud Program:

Fresh water in surface hole.
Brine in intermediate hole.
Cut brine in production hole.
7. Auxiliary Equipment: None
8. Logging Program: CNL/FDC/Gr., DLL.
9. No abnormal pressures or temperatures are anticipated. Estimated BHP is 3500#, Estimated BHT is 130.F
10. Anticipated starting date:

As soon as possible.
Duration: 12 days drilling
5 days completion