

UNITED STATES
DEPARTMENT OF
BUREAU OF LAND MANAGEMENT

OPER. OGHID NO. 13384
PROPERTY NO. 10075
POOL CODE 13382
EFF. DATE 3/15/96
API NO. 38-125-1309

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

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 88253 (505) 677-2370

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

At surface

330' FNL & 1980' FEL

At proposed prod. zone

same

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

20 Miles southeast of Loco Hills

15. DISTANCE FROM PROPOSED*

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

1650

16. NO. OF ACRES IN LEASE

280

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.

1650

19. PROPOSED DEPTH

7800

20. ROTARY OR CABLE TOOLS

Rotary

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

GL. 3619

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" or 17½"	13 3/8 H-40	48# STC	500	350 sxs circulated
12 1/4 or 11"	8 5/8" (J-55)	28 & 32 STC	2900	500 sxs circulated
7 7/8"	5 1/2 J-55	17# LTC	7800	700 sxs "H" 1st stage
				500 sxs lite 2nd stage
				tie back with D.V. tool @7000

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

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.

Approval Subject to:
General Requirements and
Special Stipulations
Attached

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 subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Geologist

DATE 1/11/96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that 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:

APPROVED BY

(ORIG. SCD) RICHARD L. MANUS

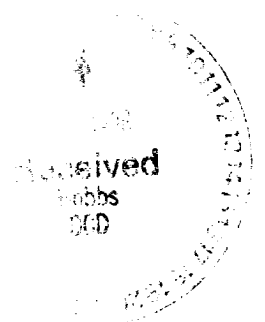
TITLE

Drilling Supervisor

DATE

FEB 1 1996

*See Instructions On Reverse Side



District I
PO Box 1980, Hobbs, NM 88241-1980
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

1 API Number 92-225 3330		2 Pool Code 13390		3 Pool Name Crazy Horse	
4 Property Code 16-6-96		5 Property Name Paladin Federal			6 Well Number 4
7 OGRID No. 18862		8 Operator Name Ray Westall Operator			9 Elevation 3619

10 Surface Location

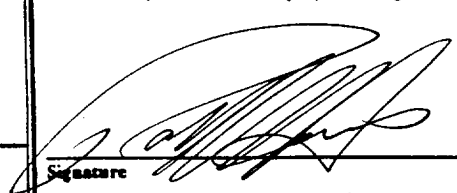
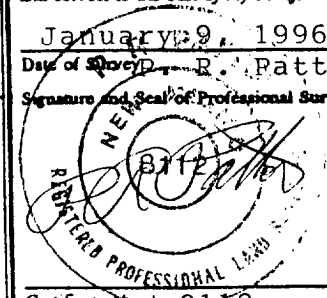
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
B	19	19 S	33E		330	North	1980	East	Lea

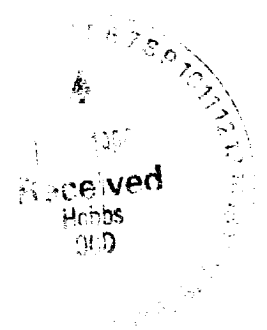
11 Bottom Hole Location If Different From Surface

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 4.8	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										17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Randall L. Harris Printed Name Geologist Title 1/11/96 Date
										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. January 9, 1996 Date of Survey R. Patton Signature and Seal of Professional Surveyor:  Certificate Number 8112



APPLICATION FOR DRILLING

Ray Westall
Paladin Federal No. 4
330' FNL & 1980' FEL
Section 19
Township 19 South, Range 33 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:

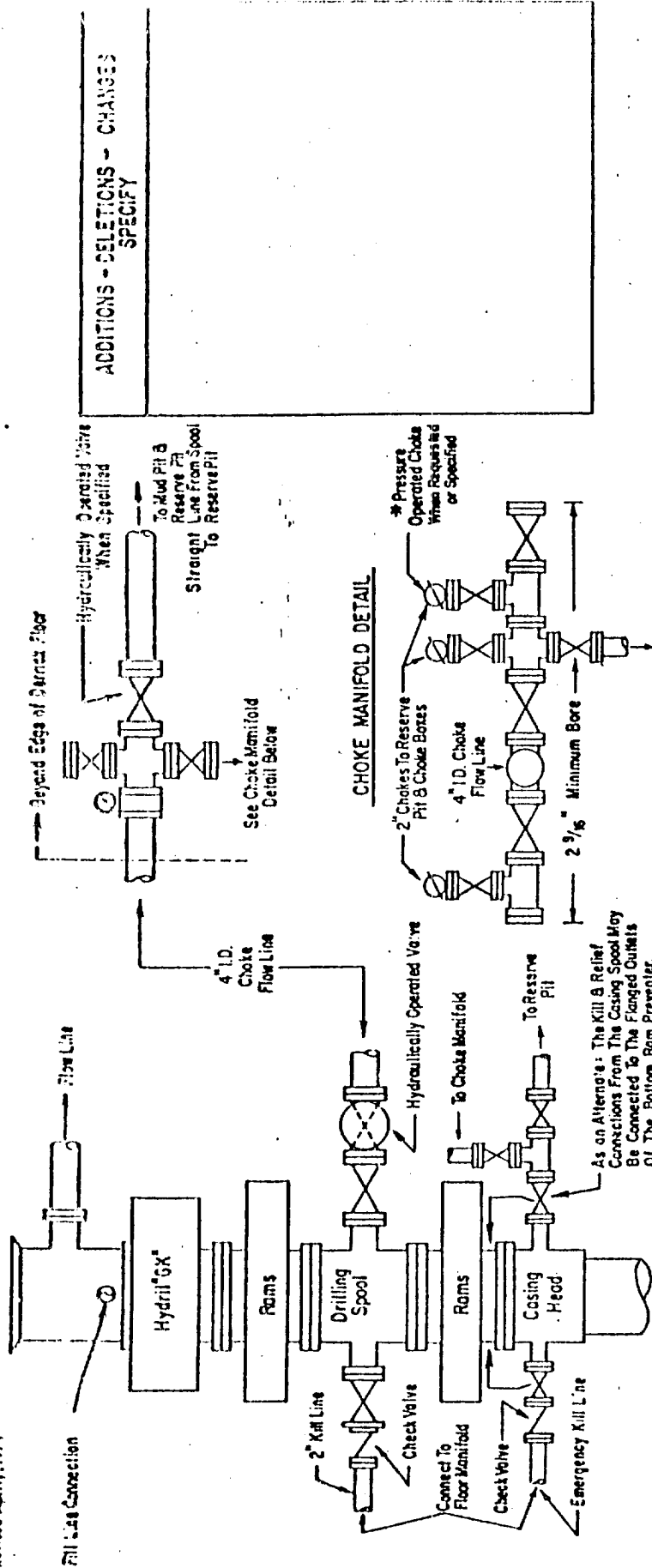
Water	0-180'
Oil and gas zones	3470-7600'
4. Proposed casing program: See 3160-3
5. Pressure Control Equipment:

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

DRAWING NO. 3
Revised April, 1971



3000 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a Hydril "GX" preventer, valves, chokes and connections as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing ram to fit the preventers are to be available as needed. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and kill line, except when air or gas drilling. The substructure height shall be sufficient to install a rotating blowout preventer.

Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: (1) Multiple pumps, driven by a continuous source of power, capable of fluid changing the total accumulator volume from the nitrogen precharge pressure to its rated pressure within _____ minutes. Also, the pumps are to be connected to the hydraulic operating system which is to be a closed system. (2) Accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive the accumulator fluid charge. With the charging pumps shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within _____ seconds after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least _____ percent of the original. (3) When requested, an additional source of power, remote and equivalent, is to be available to operate the above pumps or there shall be additional pumps operated by separate power and equal in performance capabilities.

The closing manifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydril preventer. When requested, a second pressure reducer shall be available to limit operating fluid pressures to ram preventer. Gulf Legion No. 38 hydraulic oil, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flow line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.

* To include derrick floor mounted controls.

ADDITIONS - DELETIONS - CHANGES
SPECIFY