

OPER. UGRIID NO. 18862 **MISSION**

PROPERTY NO. 13189

POOL CODE 59478

88240

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

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EFF. DATE 3/20/95

LAND NO. 30-025-32277-3359D

APPLICATION FOR PERMIT TO DRILL OR RE-DRILL

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.

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' FSL & 1980' FSL

At proposed prod. zone Same

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

20 miles south east of Loco Hills

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 660

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

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1210

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

19. PROPOSED DEPTH

7800

20. ROTARY OR CABLE TOOLS

Rotary

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

3641 GR.

22. APPROX. DATE WORK WILL START*

ASAP

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8 J-55 New	24 STC	500	350 sxs "C" Circulated
7 7/8	5 1/2 J-55 New	15.5 LTC	7800	700 sxs "H" 1st stage
				1,000 sxs lite 2nd stage
				with DV tool at 6900'

THIS LOCATION WAS ORIGINALLY APPROVED ON 9/10/93 (now expired)

The surface hole will be drilled with fresh water, production hole with brine.

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

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: The 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 blow-out preventer program, if any.

24.

SIGNED [Signature] TITLE Geologist

(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

Timothy P. O'Brien

TITLE

Acting AREA MANAGER

DATE

3-13-95

*See Instructions On Reverse Side

OPERATOR'S COPY

CONTACT RECEIVED
OFFICE FOR MINING
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
ND60-3160-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-89820																						
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																						
2. NAME OF OPERATOR Ray Westall		7. UNIT AGREEMENT NAME																						
3. ADDRESS OF OPERATOR Box 4 Loco Hills NM 88255		8. FARM OR LEASE NAME Tonto Federal																						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FEL & 1980" FSL At proposed prod. zone Same		9. WELL NO. 2																						
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles South West of Loco Hills		10. FIELD AND POOL, OR WILDCAT Tonto Delaware																						
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 12																						
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320		12. COUNTY OR PARISH Lea																						
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3641 Gr.		13. STATE NM																						
16. NO. OF ACRES IN LEASE 320		17. NO. OF ACRES ASSIGNED TO THIS WELL 40																						
19. PROPOSED DEPTH 7700		20. ROTARY OR CABLE TOOLS Rotary																						
23. PROPOSED CASING AND CEMENTING PROGRAM		22. APPROX. DATE WORK WILL START* ASAP																						
<table border="1"><thead><tr><th>HOLE SIZE</th><th>CASING SIZE</th><th>WEIGHT/FOOT</th><th>GRADE</th><th>THREAD TYPE</th><th>SETTING DEPTH</th><th>QUANTITY OF CEMENT</th></tr></thead><tbody><tr><td>12 1/4</td><td>8 5/8</td><td>26.24</td><td>J-55</td><td>8 rd</td><td>450-500</td><td>350 circulated</td></tr><tr><td>7 7/8</td><td>5 1/2</td><td>15.5</td><td>J-55</td><td>8 rd</td><td>7700</td><td>1400 circulated</td></tr></tbody></table>				HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT	12 1/4	8 5/8	26.24	J-55	8 rd	450-500	350 circulated	7 7/8	5 1/2	15.5	J-55	8 rd	7700	1400 circulated
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We propose to drill the surface hole with fresh water, production hole with brine.

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

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SEP 13 8 56 AM '93
CARLSON RESOURCE
AREA HEADQUARTERS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, 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.

SIGNED: [Signature] TITLE: Geologist DATE: 9/10/93
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE: APPROVED BY: [Signature] TITLE: AREA MANAGER DATE: 10-14-93
CONDITIONS OF APPROVAL, IF ANY:

Approval Subject to
General Requirements and
Special Stipulations

*See Instructions On Reverse Side

OL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

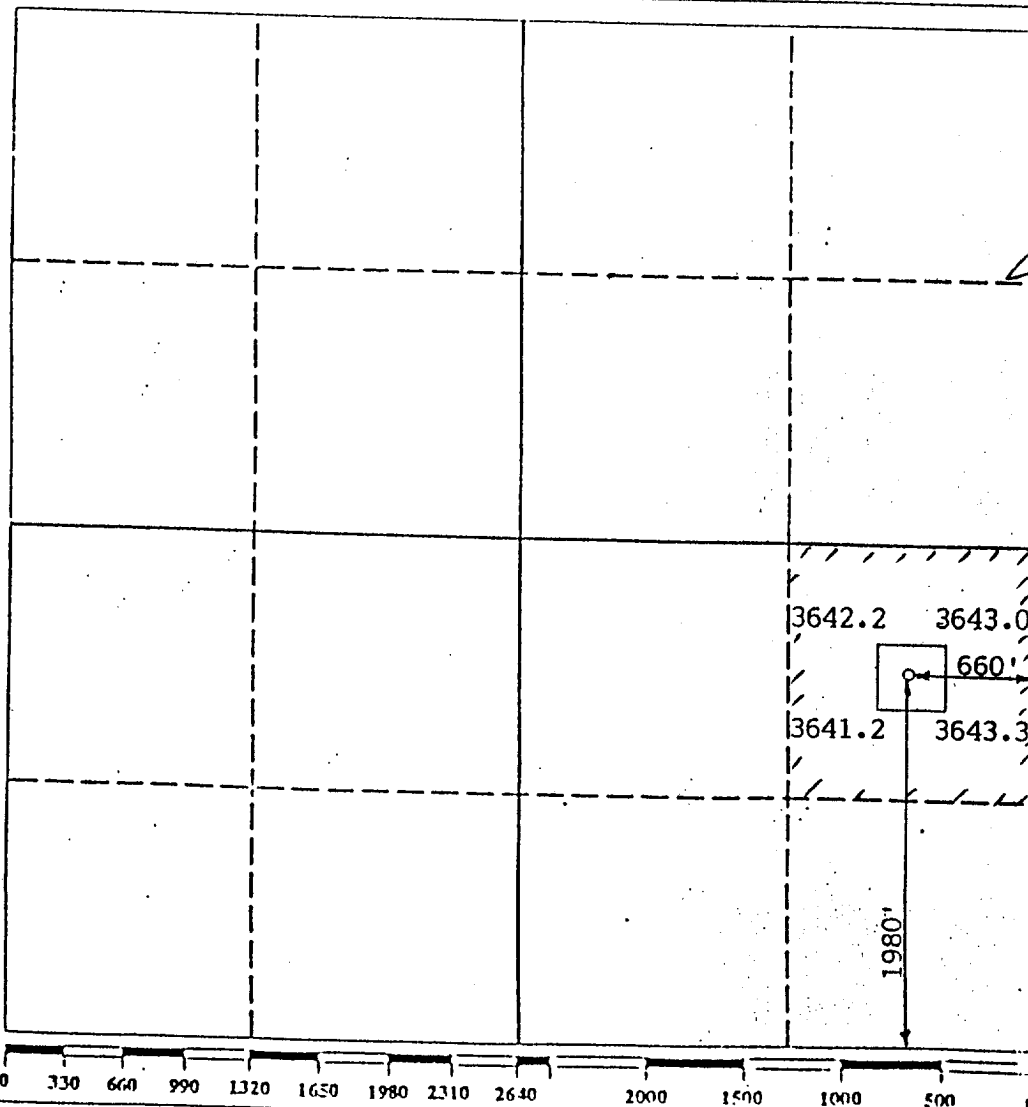
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Ray Westall, Operator			Lease Tonto Federal		Well No. 2
Unit Letter I	Section 12	Township 19 South	Range 32 East	County Lea	
Actual Footage Location of Well: 1980 feet from the South line and 660 feet from the East line					
Ground level Elev. 3641	Producing Formation Delaware		Pool Tonto	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Randall L. Harris

Position

Geologist

Company

Ray Westall

Date

9/10/93

SURVEYOR CERTIFICATION

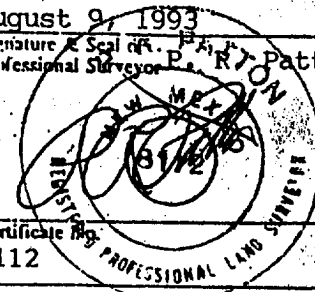
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

August 9, 1993

Signature & Seal of **P. R. Patton**
Professional Surveyor

Certificate No.
8112



APPLICATION FOR DRILLING

Ray Westall
Tonto Fed. No. 2
Section 12-T19S-R32E
1980 FSL & 660 FEL
Lea County, New Mexico
NM-89820

In conjunction with Form 3160-3, Application for Permit to Drill subject well, 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 listed in item #2
4. Proposed casing program: See 3160-3
5. Pressure Control Equipment: See 3160-3 and exhibit E.
6. Mud Program: Fresh water in surface hole, brine water to TD
7. Auxiliary Equipment: None
8. Logging Program: CNL/FDC/GR, DLL.
9. No abnormal pressures or temperatures are anticipated.
Est. BHP = 3600 psi / EST BHT = 125°F
10. Anticipated Starting Date: As soon as possible.
Duration: 12 days drlg. 5 days compl. SJS

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

RAY WESTALL
Tonto Federal No. 2

This plan is submitted with form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operation.

1. EXISTING ROADS.

Exhibit A is a portion of a county road map showing the roads in the vicinity of the proposed location.

2. PLANNED ACCESS ROAD.

The location is adjacent to the main road no access road is necessary
DIRECTIONS.

Proceed west from Loco Hills to state road 529. Go easth approximately 7 miles, turn south 9 miles, turn east 5 mile then north 1 mile, turn west 1/4 mile.

3. LOCATION OF EXISTING WELLS.

There is no existing wells on this 40 acres.

4. LOCATION OF EXISTING/OR PROPOSED FACILITIES

There is production facilities on the lease located on Tonto Fed No.1 location in the NWSE Section 12. A 3" poly flow line and a 4 phase power lines and poles will be routed along the existing right of way paralleling the road.the Federal 12#1 location.

5. LOCATION AND TYPE OF WATER SUPPLY.

It is planned to drill the proposed well with a brine water system. The water will be obtained from commercial sources and will be hauled to the location by truck.

6. SOURCE OF CONSTRUCTION MATERIALS.

The location and road will be hauled in from an approved caliche pit.

7. METHODS OF HANDLING WASTE DISPOSAL.

- A. Drill cuttings will be disposed of in the reserve pit.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. Produced water during operations will be stored in reserve pits until dry.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. Trash, waste paper, garbage and junk will be stored in a wire cage preventing blowing or scattering by the wind. After drilling and completion all waste will be removed to an approved site.

8. ANCILLARY FACILITIES

None required.

9. WELLSITE LAYOUT.

Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, a 400' X 400' area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE.

- A. After finishing drilling and completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any containing fluids will be fenced until they have been filled.
- C. If the proposed well is non-productive, all rehabilitation and or vegetation requirements of the BLM and USGS will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

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7 / 1995

**PROCESS
OFFICE**

11. OTHER INFORMATION.

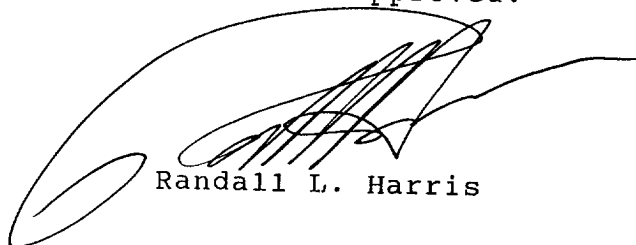
- A. Topography: The land surface in the vicinity of the wellsite is sandy loam soil.
- B. Flora and Fauna: The vegetation cover consists of prairie grass, greasewood and miscellaneous desert growth. No wildlife was observed, but wildlife in the area probably includes those typical of semi-arid desert land. The area is used for cattle grazing
- C. There are no ponds, lakes or rivers in the area.
- D. There are no inhabited dwelling in the vicinity of the proposed well.
- E. Surface Ownership: The wellsite is on federal surface.
- F. Evidence of archeological sites has been reported and previously filed.

12. OPERATOR' REPRESENTATIVE

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

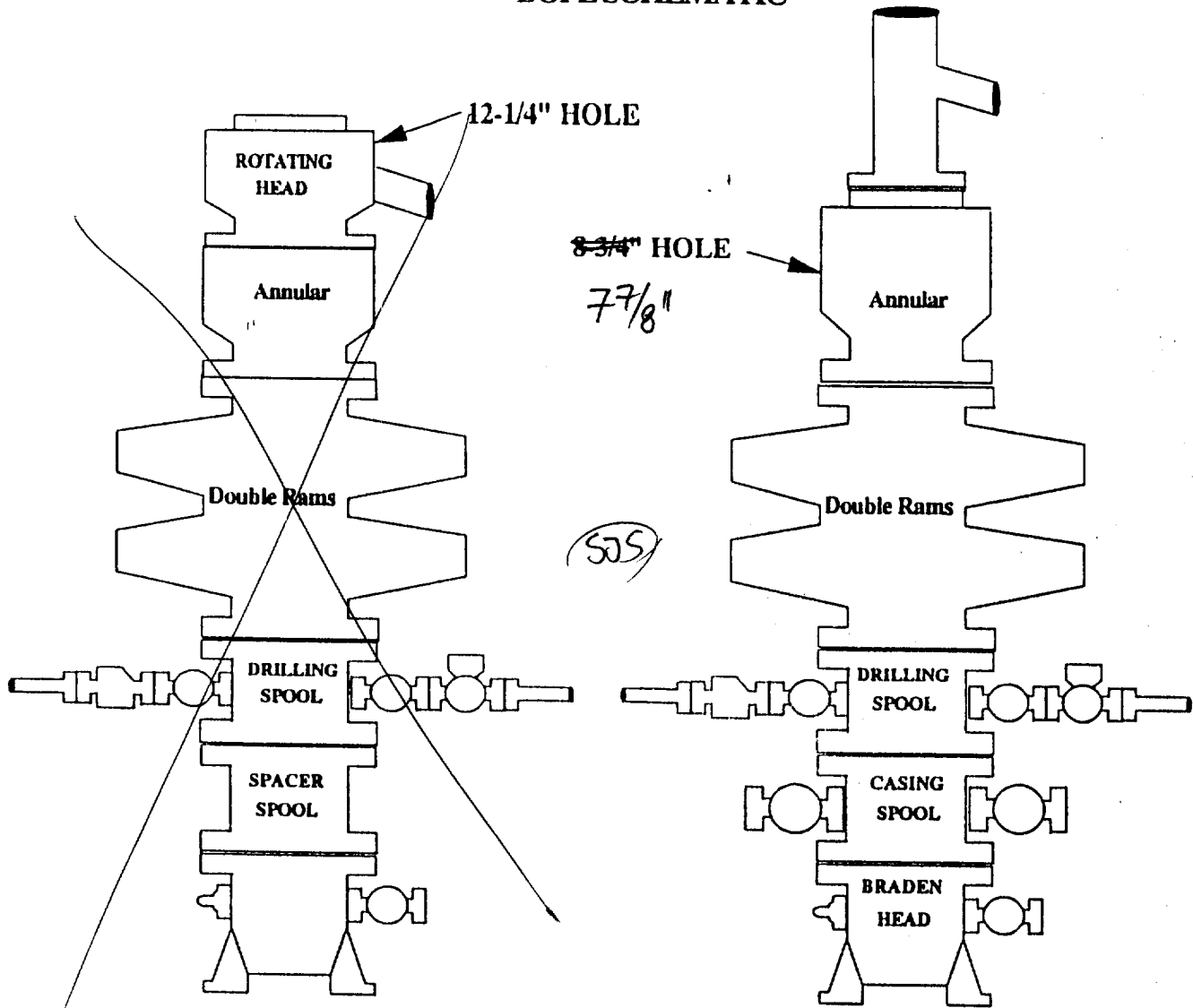
13. CERTIFICATION.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operations proposed herein will be performed by the operator and it's subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Randall L. Harris

BOPE SCHEMATIC



Choke Manifold Requirement (3000 psi WP)

