

N.M. Oil Cons. DIV-Dist. 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1801 W. Grand Avenue
Artesia, NM 88210

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.

NMNM68039

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

POWER DEEP 31 FED COM 01

9. API Well No.

30-015-31572

10. Field and Pool, or Exploratory

NORTH SHUGART

11. County or Parish, and State

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

NOV 18 2005

NOCD-ARTE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

HARVEY E. YATES COMPANY

Contact:

JEN ATKINSON

3a. Address

PO BOX 1933, ROSWELL, NM 88202-1933

3b. Phone No. (include area code)

(505)623-6601 ext 1219

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

UNIT M, 660' FSL & 660' FEL SEC 31, T17S, R31E (SWSW)

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|-----------------------------------------------|------------------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Drilling operations underway |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

WE PROPOSE TO PLUG AND ABANDON WELL AS FOLLOWS:

Set CIBP @ 11,400' & top w/50' cement.
Circulate 9# mud.
Set 100' cement plug from 8400-8500'.
Spot 150' cement plug @ 6725-6875' (csg shoe). Tag cmt.
Cut & pull approx 5700' 4 1/2" csg. Spot 150' cmt plug from 5625-5775'. Tag.
Spot 150' cement plug at 4425-4575' (csg shoe). Tag cmt.
Spot 100' cement plug at 1500-1600'.
Set 25 sx surface plug and install dry hole marker.

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED**

**Accepted for record
NMOC**

SPOT 100' CEMENT PLUG 300-400'. TAG

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed) JEN ATKINSON

Serrano

Title PROD ANALYST

627-2450

Signature

Jeannette Atkin

Date 10/7/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

NOV 16 2005

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

RFO

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.

Power Deep 31 Fed Com #1
North Shugart Morrow
 API #30-015-31572
 660' FSL & 660' FEL
 Property ID 715000-001
 Eddy County, NM
 3663' GL/ 16' KB
 Harvey E. Yates Company

Wellbore Status as of : 10/07/05

Spud: 4/18/2001
 TD: 11850' 6/23/2001
 PBTD: 11613' 7/6/2001 (original)
 PBTD: 11667' 8/23/2002 (current)
 Completed: 7/25/2001

DRAWING NOT TO SCALE.
 by J Atkinson

Downhole assembly:

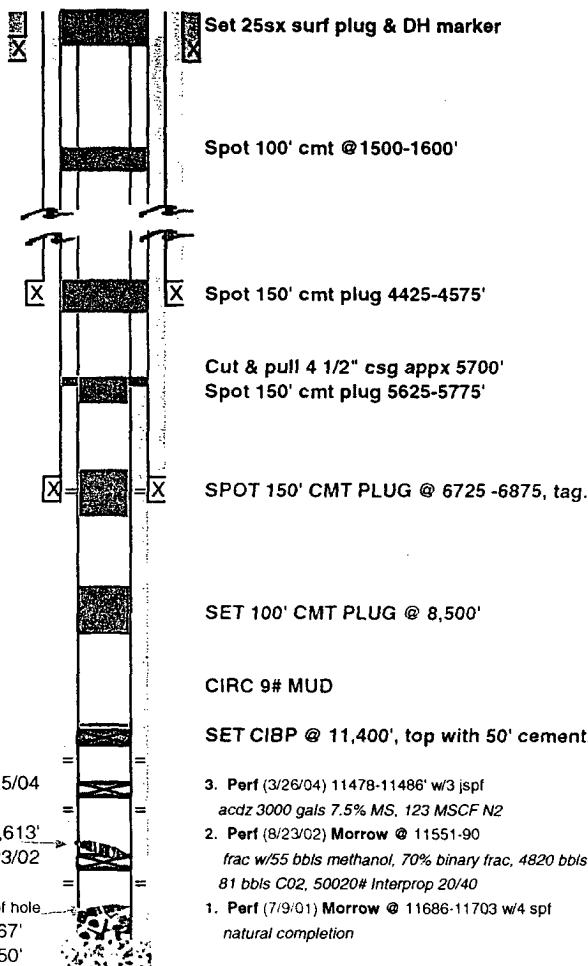
Auto rel fire hd, 6' sub, 1 jt, vent assy, 2 jts,
 4 1/2" Arrowset pkr, on-off tool w/"F" profile, 1 jt,
 8' sub, 346 jts, 6' sub, 1 jt (351 total 2 3/8"
 4.7# EUE L-80 tbg jts)

PKR @ 11436'

CIBP @ 11,530 on 3/25/04

TCP guns @ 11,613'
 CIBP @ 11,667' on 8/23/02

Fish (32.28') - Guns @ btm of hole
 PBTD: 11767'
 TD 11850'



Set 25sx surf plug & DH marker

Spot 100' cmt @ 1500-1600'

Spot 150' cmt plug 4425-4575'

Cut & pull 4 1/2" csg appx 5700'
 Spot 150' cmt plug 5625-5775'

SPOT 150' CMT PLUG @ 6725 -6875, tag.

SET 100' CMT PLUG @ 8,500'

CIRC 9# MUD

SET CIBP @ 11,400', top with 50' cement.

3. Perf (3/26/04) 11478-11486' w/3 jspl
 acdz 3000 gals 7.5% MS, 123 MSCF N2
2. Perf (8/23/02) Morrow @ 11551-90
 frac w/55 bbls methanol, 70% binary frac, 4820 bbls N2,
 81 bbls CO2, 50020# Interprop 20/40
1. Perf (7/9/01) Morrow @ 11686-11703 w/4 spf
 natural completion

Surface Casing:
352' - 13 3/8" H-40 ST&C Cmt'd w/550 sx in 5 stages, TOC=63'
Intermediate Casing:
4500' - 8 5/8" 32# J-55, S-80 Cmt'd w/ 4400 sx in 14 stages TOC 1590', free pipe 1590-700, 700-surf good cmt
Production String
6804' - 7" 29# STL P-110 Cmt'd w/500 sx, did not circulate
Production String
11832' - 4 1/2" 11.6# N-80, P-110 Cmt'd w/1000 sx cmt, TOC=5860'

PLUGGING PROCEDURE:

- Set CIBP @ 11,400', top with 50' cement.
- Circ 9# mud
- Set 100' cement plug @ 8,500'
- Spot 150' cement plug @ 6725 -6875, tag.
- Spot 150' cement plug 5625-5775'
- Cut & pull 4 1/2" csg appx 5700'
- Spot 150' cmt plug 4425-4575'
- Spot 100' cmt @ 1500-1600'
- Set 25sx surf plug & DH marker

Accepted for record
 NMOCD

Alvin Lewis
 627-0228
 627-0207
 -0276