

Submit 3 Copies To Appropriate District  
Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103

Revised March 25, 1999

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-06230
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Permian Resources, Inc. OGRID No. 25797		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 590 Midland, Texas 79701		7. Lease Name or Unit Agreement Name:  Eumont Hardy Unit Property No. 025104
4. Well Location  Unit Letter <u>D</u> : <u>700</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>West</u> line  Section <u>36</u> Township <u>20S</u> Range <u>37E</u> NMPM Lea County		8. Well No. 9
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3506' GL		9. Pool name or Wildcat Eumont(Yates-7Rvrs-Queen)Pool 22800

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒ XX

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒ XX

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Permian Resources, Inc. respectfully submits the attached plugging procedure on the Eumont Hardy Unit Well No. 9.

THE COMMISSION MUST BE NOTIFIED 24  
HOURS PRIOR TO THE BEGINNING OF  
PLUGGING OPERATIONS FOR THE C-103  
TO BE APPROVED.

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

SIGNATURE Barbara Watson TITLE Regulatory Compliance DATE 11-08-02

Type or print name Barbara Watson

Telephone No. 915/685-0113

(This space for State use)

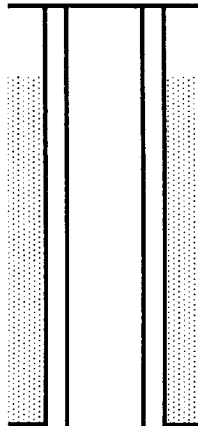
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of approval, if any:

# Eumont Hardy # 9

Surface Casing 8-5/8"  
Depth 1373'  
Sacks 200  
Weight / Grade 24#

TOC Unknown



Production Casing 7"  
Depth 3598'  
Sacks 200  
Weight / Grade 23#

TOC Unknown

CICR @ 3365'  
w/ 3 sx cmt

TD 3683

LEASE NAME:	Eumont Hardy	WELL #	9
LOCATION:	700' FNL & 660' FWL (D), Section 36, T20S, R37E		
COUNTY, STATE:	Lea NM	STATE #	
TD	3683	KB	3506
PBTD		GL	
CURRENT PROD ZONE:	Penrose	DATE	11/5/02
		PERFS:	3598 - 3683 OH

CASING AND TUBING DESIGN						
	HOLE	SIZE	DEPTH	GRADE/WT	SACKS	TOP CEMENT
SURF	11-1/2"	8-5/8"	1373'	24#	200	Unknown
INTER						
PROD	8-1/4"	7"	3598'	23#	200	Unknown
LINER						
TUBING SIZE	None		JOINTS	GRADE		
SN/PMP DEPTH			TAC	PACKER None		

Open hole 3598' - 3683'  
Natural IPf 1500 MCFPD  
COAF 3200 MCFPD

SITP 805#, 1st flow 24hrs 625 MCFPD FTP- 757#, 2nd flow 24hrs 857 MCFPD FTP-701#  
3rd flow 24hrs 999 MCFPD FTP-675#, 4th flow 24hrs 1437 MCFPD FTP-600#.  
Completed in Eumont Gas Pool

6/1/61 Continental Oil Co. assumed operations

6/1/67 Change well name to Eumont Hardy # 9

12/30/61 CO fill to PBTD @ 3683'. DO CIBP(?) @  
3683' and drill 6-1/8" hole to new TD @  
3773'. Ran GRNL. Ran 114 jts 2-3/8" cmt  
lined tbg w/ PSA 3550'. Converted to WIW.

9/23/76 SI by NMOC due to water flow problems in Skaggs area.

6/30/77 Well returned to WIW.

6/13/80 Ran MIT

2/9/81 Tbg or Pkr leak. Tbg parted. Fished tbg & pkr. RIH w/ 7" Model AD-1 + 114 jts 2-3/8" IPC. PSA 3553'.  
Leak on csg-tbg annulus. SI.

8/1/83 Set 7" EZ drill CICR @ 3552'. Load csg w/ pkr fluid. Leak in retainer (small w/ flow). Replaced retainer  
and set 7" EZ drill CICR @ 3365'. Did not hold 600#. Dumped 3 sx cmt on top of retainer. Circ pkr fluid w/ no  
signs of fluid flow. Well TA'd. 8/4/83.

8/11/92 Ran bradenhead test, pressure to 500 #, bled down to 380 # in 30 mins. TA'd status approved ending  
9/1/97.

8/26/94 Lynx request TA'd status. Approved by BLM for 12 mos, ending 9/27/95

10/23/01 RIH w/ tbg & pkr. Test for csg leaks. 7" csg tested good below 1542'. Found leaks from 1542 - 1507'  
w/ fluid flow in this interval. POOH w/ tbg & pkr.

# Permian Resources, Inc

## Eumont Hardy No. 9

### Eumont (Yates – 7Rvrs - Queen) Pool

State Lease No. B-1130

API No. 30-025-06230

### Surface Location

700' FNL & 660' FWL (Unit D)  
Section 36, T20S, R37E  
Lea County, New Mexico

DF 3506'  
GL

Spud Date 4/17/54 Completion Date 6/13/54  
Originally permitted and drilled by John M. Kelly as Tidewater State #1 Well

### Existing Wellbore Conditions

11-1/2" hole @ 1373'	8-5/8"	24 #/ft casing @ 1373'	Cmt'd w/ 200 sx. common <b>TOC Unknown.</b> Using gauge 11-1/2" hole and 1.32 cuft/sx yield TOC calculates @ 536'.
8-1/4" hole @ 3598'	7"	23#/ft casing @ 3598'	Cmt'd w/ 200 sx. Total <b>TOC Unknown.</b> Using gauge 8-1/4" hole and 1.32 cuft/sx yield TOC calculates @ 753'.
6-1/8" hole (assumed) @ 3683'		Open hole completion	

### Completion

	Open hole 3598' – 3683' Natural IPf 1500 MCFPD COAF 3200 MCFPD SITP 805#, 1 <sup>st</sup> flow 24hrs 625 MCFPD FTP-757#, 2 <sup>nd</sup> flow 24hrs 857 MCFPD FTP-701# 3 <sup>rd</sup> flow 24hrs 999 MCFPD FTP-675#, 4 <sup>th</sup> flow 24hrs 1437 MCFPD FTP-600#. Completed in Eumont Gas Pool
6/1/61	Continental Oil Co. assumed operations
6/1/67	Change well name to Eumont Hardy #9
12/30/61	CO fill to PBTD @ 3683'. DO CIBP(?) @ 3683' and drill 6-1/8" hole to new TD @ 3773'. Ran GRNL. Ran 114 jts 2-3/8" cmt lined tbg w/ PSA 3550'. Converted to WIW.
9/23/76	SI by NMOCD due to water flow problems in Skaggs area.
6/30/77	Well returned to WIW.

6/13/80	Ran MIT
2/9/81	Tbg or Pkr leak. Tbg parted. Fished tbg & pkr. RIH w/ 7" Model AD-1 + 114 jts 2-3/8" IPC. PSA 3553'. Leak on csg-tbg annulus. SI.
8/1/83	Set 7" EZ drill CICR @ 3552'. Load csg w/ pkr fluid. Leak in retainer (small wtr flow). Replaced retainer and set 7" EZ drill CICR @ 3365'. Did not hold 600#. <b>Dumped 3 sx cmt on top of retainer.</b> Circ pkr fluid w/ no signs of fluid flow. Well TA'd. 8/4/83.
8/11/92	Ran bradenhead test, pressure to 500 #, bled down to 380 # in 30 mins. TA'd status approved ending 9/1/97.
8/26/94	Lynx request TA'd status. Approved by BLM for 12 mos, ending 9/27/95
10/23/01	RIH w/ tbg & pkr. Test for csg leaks. 7" csg tested good below 1542'. Found leaks from 1542 – 1507' w/ fluid flow in this interval. POOH w/ tbg & pkr. SI & WOO.

**Proposed Plugging Procedure**

**11/5/02**

- 1 Notify NMOCD Hobbs 24 hrs prior to MIRU.
- 2 NDWH & dig out to surface csg valves. PU & RIH 2-3/8" workstring to top of CICR @ 3365'. RU cementer. **Mix & spot 20 sx cmt on top of CICR from 3365 – 3300' (65' cmt).** PUH to 3300' and circulate wellbore w/ 9.5 ppg mud laden fluid.
- 3 POOH w/ tbg. RU wireline & RIH w/ strip gun. Perforate base of Salt @ 2550' w/ 2 sqz holes. RIH w/ pkr & tbg to 2550'. **Mix & spot 40 sx plug from 2550' to 2313' (237' of cmt in 7", 23/ft csg).** POOH w/ tbg to ± 2250' & set pkr. Attempt to sqz cement into perfs @ 2550'. Sqz & hold 500 psi. PUH w/ tbg to ± 1350', laying down balance.
- 4 RU wireline co and RIH w/ strip charge and shot 2 squeeze holes @ 1423' (50' below 8-5/8" surface csg shoe w/ Anhydrite Top @ 1300'). RD wireline.
- 5 RIH w/ OE tbg to 1423' (50' below surface csg shoe). **Mix & spot 40 sx plug from 1423' to 1186' (237' in 7" csg).** PUH w/ tbg to ± 1100' & NUWH. Attempt to squeeze cement into perfs @ 1423' and circulate up inside 7" x 8-5/8" annulus (open 7" x 8-5/8" surface csg valve and note flow). Displace plug to no lower than 1275'. SI & WOC. RIH & tag cmt top at no lower than 1323'.
- 6 POOH w/ tbg. RU wireline co and RIH w/ strip charge and shot 2 deep penetrating squeeze holes through both 7" and 8-5/8" casing @ 500'. RD wireline. NUWH and pump down 7" csg to see if circulation out 7" x 8-5/8" annulus and / or between 8-5/8" x 11-1/2" surface hole. If circulation, RU cementer and **mix & pump 200 sx down 7" csg and circulate to**

**surface through both 7" x 8-5/8" annulus and 8-5/8" x 11-1/2" annulus.** Displace plug to no lower than 350'. SI & WOC.

- 7     **Mix & spot 10 sx plug from  $\pm 50'$  to surface inside 7" surface csg.** POOH w/ tbg and lay down.
- 8     RD WSU & cementer. Clean location & pits. Weld on P&A marker. File final NMOCD Form 103 P&A report.