

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

OIL CONSERVATION DIVISION

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I. Operator Morgan Richardson Operating Company		Well API No. 30-045-28060
Address P. O. Box 1915 Farmington, NM 87499		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Federal 41-11	Well No. 2	Pool Name, Including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. SF 078390
Location Unit Letter M : 1280 Feet From The South Line and 960' Feet From The West Line Section 11 Township 28N Range 8W, NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Company	P. O. Box 4990 Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?
					No	March 1991
If this production is commingled with that from any other lease or pool, give commingling order number:						

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X	X					
Date Spudded 11/10/90	Date Compl. Ready to Prod. 12/14/90		Total Depth 2600'		P.B.T.D. 2556'			
Elevations (DF, RKB, RT, GR, etc.) 5925' GR	Name of Producing Formation Basin Fruitland Coal		Top Oil/Gas Pay 2288'		Tubing Depth 2435'			
Perforations 2288-2298, 2344-2390, and 2396-2412					Depth Casing Shoe 2600'			

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8 5/8"	265'	400
6 1/4"	4 1/2"	2600'	350
	2 3/8"	2435'	

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 188	Length of Test 24 hrs	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 350	Casing Pressure (Shut-in) 400	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Dana Delventhal  
Printed Name Dana Delventhal Agent  
Date March 11, 1991 Telephone No. 326-4125

OIL CONSERVATION DIVISION

Date Approved APR 15 1991

By [Signature]  
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- All sections of this form must be filled out for allowable on new and recompleted wells.
- Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐

2. NAME OF OPERATOR  
Morgan Richardson Operating Company

3. ADDRESS OF OPERATOR  
P. O. Box 1915 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1280' FSL, 960' FWL

At top prod. interval reported below

At total depth Same

14. PERMIT NO. 30-045-28060  
DATE ISSUED 7/24/90

15. DATE SPUNDED 11/10/90  
16. DATE T.D. REACHED 11/23/90  
17. DATE COMPL. (Ready to prod.) 12/14/90  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5925' GR  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 2600'  
21. PLUG BACK T.D., MD & TVD 2556'  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY  
ROTARY TOOLS X  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
25. WAS DIRECTIONAL SURVEY MADE

2288-2412 Fruitland Coal

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Cased Hole Compensated Neutron, Gamma Ray, CCL  
27. WAS WELL CORED  
Yes  
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20	265'	12 1/4"	400 sx (472 cf) Class B	
4 1/2"	10.5	2600'	6 1/4"	350 sx (951 cf) Class B	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	2435'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2288-2298, 2344-2390, 2396-2412	0.5"	2288-2412	115,400 Gal 70Q foam
total of 144 0.5" holes			15,000# 40/70 sand
			265,000# 12/20 sand

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						WO Pipeline	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	WATER—BBL.	GAS-OIL RATIO	
2/16/91	24		→	188			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
160	185	→	188				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Vented  
35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Dana Dehnbach TITLE Agent DATE 3/11/91

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Fruitland	2184'	2418'	<div>ILLEGIBLE</div>
Pictured Cliffs	2418'	TD	

38. GEOLOGIC MARKERS

NAME	TO	MEAS. DEPTH

Morgan Richardson  
 P.O. Box 1412  
 12301