

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS FARMINGTON, NM

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J. K. EDWARDS ASSOCIATES INC.

3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, New Mexico 87402 505 327-4892

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

800' FSL & 800' FWL
Section 8, T26N, R12W

5. Lease Designation and Serial No.
NM-93255

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Tenneco Federal #1

9. API Well No.

30-045-22788

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal
W. Gallegos Farm.

11. County or Parish, State

San Juan County, N.M.

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Downhole Commingle

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

J. K. EDWARDS ASSOCIATES seeks administrative approval to downhole commingle the production in the Tenneco Federal #1 well from the Basin Fruitland Coal and West Gallegos Farmington. Both zones have been completed. Please refer to the attached Exhibits.

- Exhibit #1: Wellbore Diagram
Exhibit #2: Acreage Plat with Offset Wells
Exhibit #3: Allocation Formula
Exhibit #4: Letters to Offset Operators
Exhibit #5: Completion Report for the Fruitland Coal
Exhibit #6: Farmington Dedicated Acreage
Exhibit #7: Fruitland Coal Dedicated Acreage

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SEP 22 1995
OIL & GAS
DIST. 2

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

Signed Paul C. Thompson

Title Paul C. Thompson, Agent

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any

Title _____

APPROVED

Date 9/12/95

Date 9/11/95
Duane W. Spencer
Chief, Br. Reservoir Management
BLM, Farmington District

WMOG

APPROVED

Date

W. Spencer
Director, Program

10-20

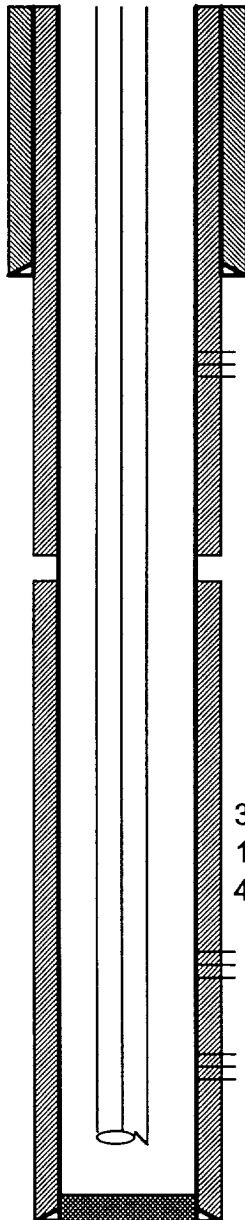
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15 SEP -5 PM 2:37
C/O FARMINGTON, NM

Tenneco Federal #1

800 FSL 800FEL Sec 8 T26N R12W

San Juan County, NM

NM - 93255 (Formerly NM - 11089)



5 1/2" @ 31'
Cement w/ 5sx

Farmington Perfs: 501 - 505 & 482 - 486' @ 2 SPF
450 - 466 @ 2 SPF Acidize w/ 1200 Gal HCl

4 SQ Holes @ 750 - 751
Cement w/ 100sx to surface
TOC @ 795' (Bond log)

Formation Tops

Kirtland	450'
Farmington	482'
Fruitland	842'
Fruitland Coal	1140'
Pictured Cliffs	1170'

35 JTS 1 1/2", 2.76#, J-55, IJ @ 1153'
1 1/2 X 1 1/2 X 12' X 13' THC Tubing Pump
45 5/8" Rods, 4' & 6' Pony Rods, 11' Polished Rod

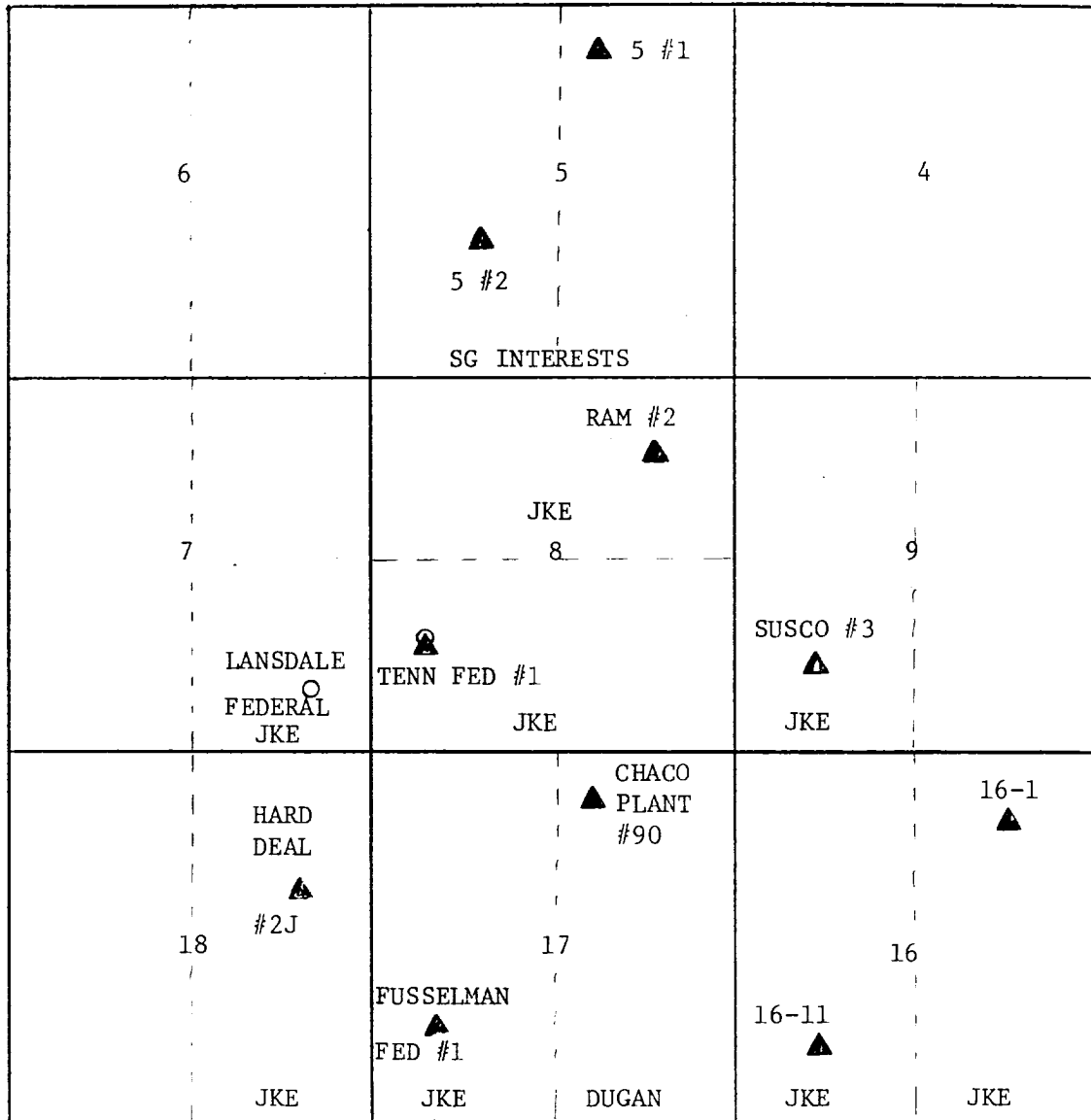
Fruitland Coal Perfs: 1141' - 1157' @ 2 SPF
Acidize w/ 500 Gal 7 1/2% HCl

Pictured Cliffs Perfs: 1164' - 1170' @ 2 SPF
Frac w/ 13,000# 10/20 & 20/40 in N₂ Foam
Squeezed w/ 20sx cement to 1500# 4/23/80

PBTD = 1344'
2 7/8, 6.5# @ 1344'
Cmt w/ 100sx Lite & 45sx Neat
TD = 1351'

TENNECO FEDERAL #1
SW 8 T26N R12W

OFFSET FARMINGTON AND
FRUITLAND COAL WELLS



○ FARMINGTON

FRUITLAND COAL

Tenneco Federal #1
Commingling Application

Allocation Formula

The NIIP Pictured Cliffs was completed by the previous operator, Southern Union Exploration, on January 23, 1980. Due to excessive water production the Pictured Cliffs was squeezed with 20 sx of cement on April 23, 1980. The well was perforated in the Farmington sand on April 27, 1980. Neither zone has ever been produced to sales.

J. K. Edwards filed a notice of intent to clean out the well and perforate the Fruitland Coal. The files supplied to J. K. Edwards indicated that the Farmington sand had been squeezed off. However, upon entering the well, we found that the Farmington Perfs were not squeezed. Since the Farmington is only capable of marginal production, and the wellbore configuration will not allow two tubing strings, J. K. Edwards proposes to downhole commingle the production.

Both zones have very similar bottom hole pressures (approximately 240 psig from the Farmington and 220 psig from the Fruitland Coal) so cross flow will not be a factor. Neither zone is expected to produce any condensate. Neither zone is water sensitive and the fluids from the two zones are compatible.

The ownership, including working interest, royalty and overriding royalty interests, is common in the 160 acres dedicated to the Farmington and the 320 acres dedicated to the Fruitland Coal.

Since neither zone has sold gas in this well, J. K. Edwards proposes to allocate the production based on a ratio of the expected reserves. Fruitland Coal wells in this area typically produce 500 to 750 MMcf of gas while Farmington wells typically produce 50 to 100 MMcf. The proposed allocation is therefore 90% to the Fruitland Coal and 10% to the Farmington.



ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

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BIRMINGHAM MAIL ROOM



7415 East Main
Farmington, New Mexico 87402
(505) 327-4892

CERTIFIED- RETURN RECEIPT

August 31, 1995

Mr. Rich Corcoran
Dugan Production
709 E. Murray Dr.
Farmington, NM 87401

Re: Application for Down Hole Commingling
J.K. Edwards and Associates
Tenneco Federal #1
800' FSL, 800' FWL, Section 8, T26N R12W
San Juan County, New Mexico
Basin Fruitland Coal and W. Gallegos Wash Farmington

Dear Mr. Corcoran,

Enclosed you will find a copy of the above referred to application that has been submitted to the New Mexico Oil Conservation Division for administrative approval. As an offset operator you are being notified of this application pursuant to NMOCD rules.

If you desire to submit remarks concerning the application, please send them to Mr. William J. LeMay, Director, New Mexico Oil Conservation Division, Santa Fe, New Mexico, within 20 from the receipt of this notice. A copy of any remarks to the undersigned would be appreciated.

Thank you for your consideration in this matter and if you have any questions, please do not hesitate to call upon me.

Sincerely,

Paul C. Thompson, P.E.
President, Walsh Engineering

Form 3160-4
(October 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

N.M. 11099 93255

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. PERMIT AGREEMENT NAME

8. PARTIAL OR LEASE NAME, WELL NO.

9. API WELL NO.

10. FIELD AND FOOT, OR WILDCAT

11. SEC., T., R., N. ON BLOCK AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐2. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ REPAIR ☐ PLUG BACK ☐ Other ☐

3. NAME OF OPERATOR

J. K. EDWARDS ASSOCIATES, INC. 011307

4. ADDRESS AND TELEPHONE NO. c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, N.M. 87402 505 327-4892

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

At surface 800' FSL & 800' FWL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPECIFIED 1/27/78

16. DATE T.D. REACHED 2/2/78

17. DATE COMPL. (Ready to prod.) 1/24/95

18. ELEVATIONS (DF, RKS, ST, OR, ETC.)* 6001'

19. ELEV. CASINGHEAD 6002'

20. TOTAL DEPTH, MD & TVD 1351'

21. PLUG BACK TD, MD & TVD 1314'

22. IF MULTIPLE COMPL., HOW MANY* 2

23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

1141'-1157'

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED

2-7/8" EUE 6.5# 1344' 5" 100 sx light

5-1/2" 14.0# 31' 6-1/4" 45 sx neat

5 sx

29. LINER RECORD

30. TUBING RECORD

31. TEMPERATION RECORD (Interval, size and number)

1141'-1157' 2spf 32(0.22")holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

1141'-1157' 500 gal 7-1/2% HCl

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST HOURS TESTED CROKE SIZE PROD'N. FOR TEST PERIOD OIL—BSL. GAS—MCF. WATER—BSL. GAS-OIL RATIO

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BSL. GAS—MCF. WATER—BSL. OIL GRAVITY-API (CORR.)

0 SITP 164 SICP

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SI Waiting on Pipeline

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 Paul C. Thompson TITLE Paul C. Thompson, Agent

APR 18 1995

FARMINGTON DISTRICT OFFICE

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

Title 18 U.S.C. Section 1001, makes it a crime to

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, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Kirtland	450					
Farmington	482					
Fruitland	824					
Fruitland Coal	1140					
Pictured Cliffs	1170					

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-4719
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

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OIL CONSERVATION DIVISION

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-22788		Pool Code 96372	Pool Name GALLEGOS WASH, WEST - FARMINGTON
Property Code	Property Name Tenneco Federal		Well Number 1
OGRID No. 011307	Operator Name J. K. EDWARDS ASSOCIATES, INC.		Elevation 6001' GL

10 Surface Location

UL or lot no.	Section 8	Township 26N	Range 12W	Lot Ida	Feet from the	North/South line South	Feet from the	East/West line West	County SJ
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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
Dedicated Acres 160		Joint or Infill		Consolidation Code		Order No.			

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. <i>Paul C. Thompson</i> Signature Paul C. Thompson, Agent Printed Name Walsh Engr. & Prod. Corp. Title 6/5/95 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. Date of Survey Signature and Seal of Professional Surveyor: ORIGINAL ON FILE Certificate Number	

District I
PO Box 1908, Hobbs, NM 88241-1908

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

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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

API Number 30-045-22788		Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code	Property Name Tenneco Federal		Well Number 1
OGRID No. 011307	Operator Name J. K. EDWARDS ASSOCIATES, INC.		Elevation 6001' GL

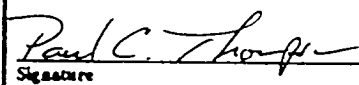
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West line	County
	8	26N	12W		800	South	800	West	SJ

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
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			

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 Paul C. Thompson, Agent Printed Name Walsh Engr. & Prod. Corp. Title 3/20/95 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. Date of Survey Signature and Seal of Professional Surveyor: ORIGINAL ON FILE Certificate Number

