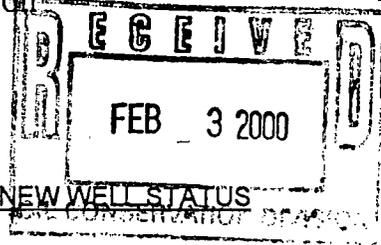


District I - (505) 393-6161  
 1625 N. French Dr  
 Hobbs, NM 88240  
 District II - (505) 748-1283  
 811 S. First  
 Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Road  
 Aztec, NM 87410  
 District IV - (505) 827-7131  
 2040 S. Pacheco  
 Santa Fe, NM 87505

New Mexico  
 Energy Minerals and Natural Resources Department  
 Oil Conservation Division  
 2040 South Pacheco Street  
 Santa Fe, New Mexico 87505  
 (505) 827-7131

1600 Form C-142  
 Date 06/99

SUBMIT ORIGINAL  
 PLUS 2 COPIES  
 TO THE SANTA FE  
 OFFICE



APPLICATION FOR NEW WELL STATUS

I. Operator and Well

Operator name & address Richardson Operating Company 1700 Lincoln Suite 1700 Denver, CO 80203						OGRID Number 019219		
Contact Party Mary Ellen Condon						Phone 303-830-8000		
Property Name WF State 36					Well Number 1	API Number 30-045-29947		
UL P	Section 36	Township 30N	Range 15W	Feet From The 805'	North/South Line South	Feet From The 820'	East/West Line East	County San Juan

II. Date/Time Information

Spud Date 7-23-99	Spud Time 19:00	Date Completed 12/20/99	Pool Twin Mounds Fruitland Sand-PC EXT
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III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.

IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of Colorado )  
 ) ss.  
 County of Denver )

David B Richardson being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced well.
- To the best of my knowledge, this application is complete and correct.

Signature [Signature] Title President Date 2/2/00

SUBSCRIBED AND SWORN TO before me this 2nd day of February, 2000

[Signature]  
 Notary Public

My Commission expires: 3-24-02

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature <u>[Signature]</u>	Title <u>P.E. Spee</u>	Date <u>2-18-00</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 2/18/00

NOTICE: The operator must notify all working interest owners of this New Well certification.

PVZV2010848313

Submit 3 Copies to Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 811 South First, Artesia, NM 87210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised March 25, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco  
 Santa Fe, NM 87505

		WELL API NO. 30-045-29947
		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
		6. State Oil & Gas Lease No. E-3150-11
SUNDRY NOTICES AND REPORTS ON WELLS (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.)		7. Lease Name or Unit Agreement Name  WF State 36
1. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		
2. Name of Operator Richardson Operating Company		8. Well No. #1
3. Address of Operator 1700 Lincoln Street, Suite 1700, Denver, CO 80203		9. Pool name or Wildcat Twin Mounds Fruitland Sand-PC Ext.
4. Well Location Unit Letter <u>P</u> : <u>805</u> feet from the <u>South</u> line and <u>820</u> feet from the <u>East</u> line  Section <u>36</u> Township <u>30N</u> Range <u>15W</u> NMPM San Juan County		
		10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5296' GR

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK  
 TEMPORARILY ABANDON  
 PULL OR ALTER CASING  
 OTHER:  
 PLUG AND ABANDON  
 CHANGE PLANS  
 MULTIPLE COMPLETION

SUBSEQUENT REPORT OF:

- REMEDIAL WORK  
 COMMENCE DRILLING OPNS.  
 CASING TEST AND CEMENT JOB  
 OTHER: see attached  
 ALTERING CASING  
 PLUG AND ABANDONMENT

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.

Well completed as per attached treatment report

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

SIGNATURE Cathleen Colby TITLE Land Manager DATE 1/20/00

Type or print name Cathleen Colby Telephone No. 303-830-8000

(This space for State use)

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

Conditions of approval, if any:

# RICHARDSON OPERATING COMPANY

## FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF State 36-1  
Date: 12/6/99  
Field: Twin Mounds Fruitland Sand-PC ext. Location: 36-30N-15W County: San Juan State: NM  
Stimulation Company: American Energy Supervisor: \_\_\_\_\_

Stage #: 1/1

Sand on location (design): 50,340 Weight ticket: 50,340 Size/type: 20/40 Brady Sand

Fluid on location: No. of Tanks: 2 Strap: 18' 6" Amount: 744 bbls Usable: 700 bbls

### Perforations

Depth: 610' - 626' Total Holes: 64 PBTD: 714'  
Shots per foot: 4 EHD: 0.38

### Breakdown

Acid: 400 gals  
Balls: N/A  
Pressure: 2800# Rate: 2 bpm

### Stimulation

ATP: 1500# AIR: 29 bpm  
MTP: 2800# MIR: 28.5 bpm

	Sand Stage	Pressure	Breaker test
	pad	2600#	21 cps in 20 min
ISIP: <u>400#</u>	1 ppg	2086#	break in 45 min
5 min: <u>385#</u>	2 ppg	1300#	
10 min: <u>378#</u>	3 ppg	1360#	
15 min: <u>366#</u>	4 ppg	1180#	

Job Complete at: 9:37 hrs. Date: 12/6/99 Start flow back: N/A

Total Fluid Pumped: 525 bbls 22,087 gals

Total Sand Pumped: 50,340 Total Sand on Formation: 50,340

Total Nitrogen Pumped: N/A

Notes:

District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

WELL API NO. 30-045-29947
5. Indicate Type of Lease X STATE FEE
State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____	7. _____ E-3150-11
b. Type of Completion: NEW WORK PLUG DIFF. WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR. <input type="checkbox"/> OTHER _____	

2. Name of Operator Richardson Operating Company	8. Well No. WF State 36-1
---	------------------------------

3. Address of Operator 1700 Lincoln Street, Suite 1700, Denver, CO 80203	9. Pool name or Wildcat Twin Mounds Fruitland Sand-PC Extension
---	--

4. Well Location Unit Letter <u>P</u> : <u>805</u> Feet From The <u>South</u> Line and <u>820</u> Feet From The <u>East</u> Line Section <u>36</u> Township <u>30N</u> Range <u>15W</u> NMPM San Juan County
--

10. Date Spudded 7/23/99	11. Date T.D. Reached 7/27/99	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.) 5296' GR	14. Elev. Casinghead 5296'
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15. Total Depth 802'	16. Plug Back T.D. 714'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled by Rotary Tools X Cable Tools
-------------------------	----------------------------	--	---

19. Producing Interval(s), of this completion - Top, Bottom, Name 610' - 626' Pictured Cliffs	20. Was Directional Survey Made yes
--	--

21. Type Electric and Other Logs Run DEN/NEUT/GR & Induction GR	22. Was Well Cored no
--	--------------------------

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	20#	134'	8- 3/4"	50 sx (59 cu.ft.)	surface
4 - 1/2"	10.5#	775'	6 - 1/4"	50 sx (103 cu.ft.)	surface
				66 sx (78 cu.ft.)	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET

26. Perforation record (interval, size and number) 610' - 626' 64 holes .38" 4 spf	27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
		50,340 20/40 Brady Linear Gel

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping--Size and type of pump)			Well Status (Prod. or Shut-in)	
Date of Test 12/20/99	Hours Tested 24	Choke Size swabbing	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl 44
Flow Tubing Press.	Casing Pressure 40	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl. 44	Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
--	-------------------

30. List Attachments

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature Cathleen Colby	Printed Name Cathleen Colby	Title Land Manager	Date 1-20-2000
-----------------------------	--------------------------------	-----------------------	-------------------





## **RICHARDSON OPERATING COMPANY**

---

1700 Lincoln, Suite 1700  
Denver, Colorado 80203 (303) 830-8000  
FAX (303) 830-8009

**WF STATE 36-1**

**WORKING INTEREST: RICHARDSON PRODUCTION CO. 100%**  
**1700 LINCOLN SUITE 1700**  
**DENVER, CO 80203**  
**303-830-8000**

02/10/00 16:26 303 830 809  
 Lease - 3 copies  
 Lease - 3 copies  
 MSLS  
 P.N. French Cr., Hobbs, NM 58203  
 MSLS  
 South First, Azusa, NM 58210  
 MSLS  
 Rio Brazos Rd., Azusa, NM 57410  
 MSLS  
 10 South Pacheco, Santa Fe, NM 87505

RICHARDSON OPER.  
 Energy, Minerals and Natural Resources

002  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

CONFIDENTIAL

WELL API NO. 30-045-29947  
 5. Indicate Type of Lease  
 X STATE FEE  
 State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 b. Type of Completion:  
 NEW WORK PLUG DIFF.  
 WELL  OVER  DEEPEN  BACK  RESVR  OTHER \_\_\_\_\_

7. E-3150-11

1. Name of Operator Richardson Operating Company  
 3. Address of Operator 1700 Lincoln Street, Suite 1700, Denver, CO 80203

8. Well No. WF State 36-1  
 9. Pool name or Wildcat Twin Mounds Fruitland Sand-PC Extension

4. Well Location  
 Unit Letter P : 805 Feet From The South Line and 820 Feet From The East Line  
 Section 36 Township 30N Range 15W NMPM San Juan County

10. Date Spudded 7/23/99 11. Date T.D. Reached 7/27/99 12. Date Compl. (Ready to Prod.) 12-20-99 13. Elevations (DF & RKB, RT, GR, etc.) 5296' GR 14. Elev. Casinghead 5296'

15. Total Depth 802' 16. Plug Back T.D. 714' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled by 19. Producing Interval(s) of this completion - Top, Bottom, Name 610' - 626' Pictured Cliffs 20. Was Directional Survey Made yes 21. Type Electric and Other Logs Run DEN/NEUT/GR & Induction GR 22. Was Well Cored no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	20#	134'	8-3/4"	50 sx (59 cu.ft.)	surface
4-1/2"	10.5#	775'	6-1/4"	50 sx (103 cu.ft.)	surface
				66 sx (78 cu.ft.)	

24. LINER RECORD 25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size and number) 610'-626' 64 holes .38" 4 spf  
 27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
 DEPTH INTERVAL AMOUNT AND KIND OF MATERIAL USED  
 50,340 20/40 Brady  
 Linear Gel

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping—Size and type of pump)	Well Status (Prod. or Shut-in)
Date of Test 12/20/99	Hours Tested 24	Choke Size swabbing
Flow Tubing Press.	Casing Pressure 40	Calculated 24-Hour Rate
	Oil - Bbl	Gas - MCF
	Water - Bbl 44	Gas - Oil Ratio
	Oil - Bbl	Gas - MCF
	Water - Bbl 44	Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief  
 Signature Cathleen Colby Printed Name Cathleen Colby Title Land Manager Date 1-20-2000

Submit 3 Copies to Appropriate District Office

State of New Mexico Minerals and Natural Resources Department.

Form C-100 Revised 1-1-89

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

OIL CONSERVATION DIVISION

2040 Pacheco St. Santa Fe, NM 87505

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

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

WELL API NO. 30-045-29947

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. SF-079968

SUNDRY NOTICES AND REPORTS ON WELLS (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.)

7. Lease Name or Unit Agreement Name

1. Type of Well: OIL WELL [ ] GAS WELL [X] OTHER [ ]

State 36

2. Name of Operator RICHARDSON OPERATING COMPANY 019219

Well No. 1

3. Address of Operator c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402

Pool name or Wildcat Twin Mounds Pictured Cliffs Ext

4. Well Location Unit Letter P : 805 Feet From The South Line and 820 Feet From The East Line Section 36 Township 30N Range 15W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5296'GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data. NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK [ ], PLUG AND ABANDON [ ], TEMPORARILY ABANDON [ ], PULL OR ALTER CASING [ ], OTHER: [ ]. SUBSEQUENT REPORT OF: REMEDIAL WORK [ ], ALTERING CASING [ ], COMMENCE DRILLING OPNS. [X], PLUG AND ABANDONMENT [ ], 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.

7/26/99 Spud 8-5/8" surface hole and drill to 139'KB. Ran 3 jts of 7", 20#, K-55 casing. Landed @ 136'. Cement w/50 sxs (59 cuft) of Class "B" cement, circulated 5 bbls to surface. Pressure tested casing and BOP to 600# - held ok. 7/27/99 TD 6-1/4" hole @ 815'KB. Ran 18 jts of 4-1/2", 10.5#, J-55 casing. Landed @775'KB. Cement with 50 sxs (103 cuft) of Class "B" w/2% Sodium Metasilicate & 1/4#/sx of Celloflake. Tail with 66 sxs (78 cuft) Class "B" with 1/4#/sx of Celloflake. Circulated 13 bbls to surface. Plug down @ 1630 hrs 7/27/99.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE [Signature] TITLE Agent/Engineer DATE 8/16/99

(This space for State Use) ORIGINAL SIGNED BY CHARLIE T. PERRY DEPUTY OIL & GAS INSPECTOR, DIST. 3 AUG 17 1999 APPROVED BY [ ] TITLE [ ] DATE [ ] CONDITIONS OF APPROVAL, IF ANY: