

OIL CONSERVATION DIV.

99 MAY 26 PM 12:58



**GREAT WESTERN DRILLING COMPANY**  
Post Office Box 1659 • Midland, Texas 79702 • 915/682-5241

May 24, 1999

Mr. Michael L. Stogner  
New Mexico Oil Conservation Division  
Energy, Minerals and Natural Resources Department  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Re: Application of Great Western Drilling Company  
For Administrative Approval of an  
Unorthodox Well Location – J. E. Decker #7

Dear Mr. Stogner

Enclosed, please find the application of Great Western Drilling Company for administrative approval of an unorthodox location for the J. E. Decker #7 well located 1,480' FSL and 1,580' FEL of Section 12, Township 32 North, Range 12 West, San Juan County, New Mexico.

By separate letter (copy attached) Great Western Drilling Company has sent notification via certified return receipt mail to the affected parties by submitting a copy of this application and a plat required by OCD rules.

Your due consideration to the application is most appreciated. Should you have any questions, please feel free to call me at 915-682-5241.

Sincerely,

Berry D. Simpson  
Petroleum Engineer

Copy: New Mexico Oil Conservation Division  
District III  
1000 Rio Brazos Road  
Aztec, NM 87410

## Discussion

The J. E. Decker #7 was originally drilled to 3,035' and completed in the Pictured Cliffs formation (2,892' – 2,946') in September, 1978. This well was drilled at a standard location for the Pictured Cliffs formation: 1,480' FSL and 1,580' FEL of Section 12, T32N, R12W. Current production from well #7 is about 30 MCFPD.

The Fruitland Coal is productive in the area of the Decker Lease, which lies in the transition zone between the over-pressured and under-pressured coals. The existence of over-pressure is the single greatest factor defining the Productive Fairway which has historically yielded the best coal gas wells.

We believe that the J. E. Decker #7 may lie in the over-pressured area, and are asking permission to recomplete this well in the Fruitland Coal as an unorthodox location. This well blew out while drilling through the coal in 1978, a strong indicator that the well is in the over-pressured coal and would make a high-rate Fruitland Coal producer.

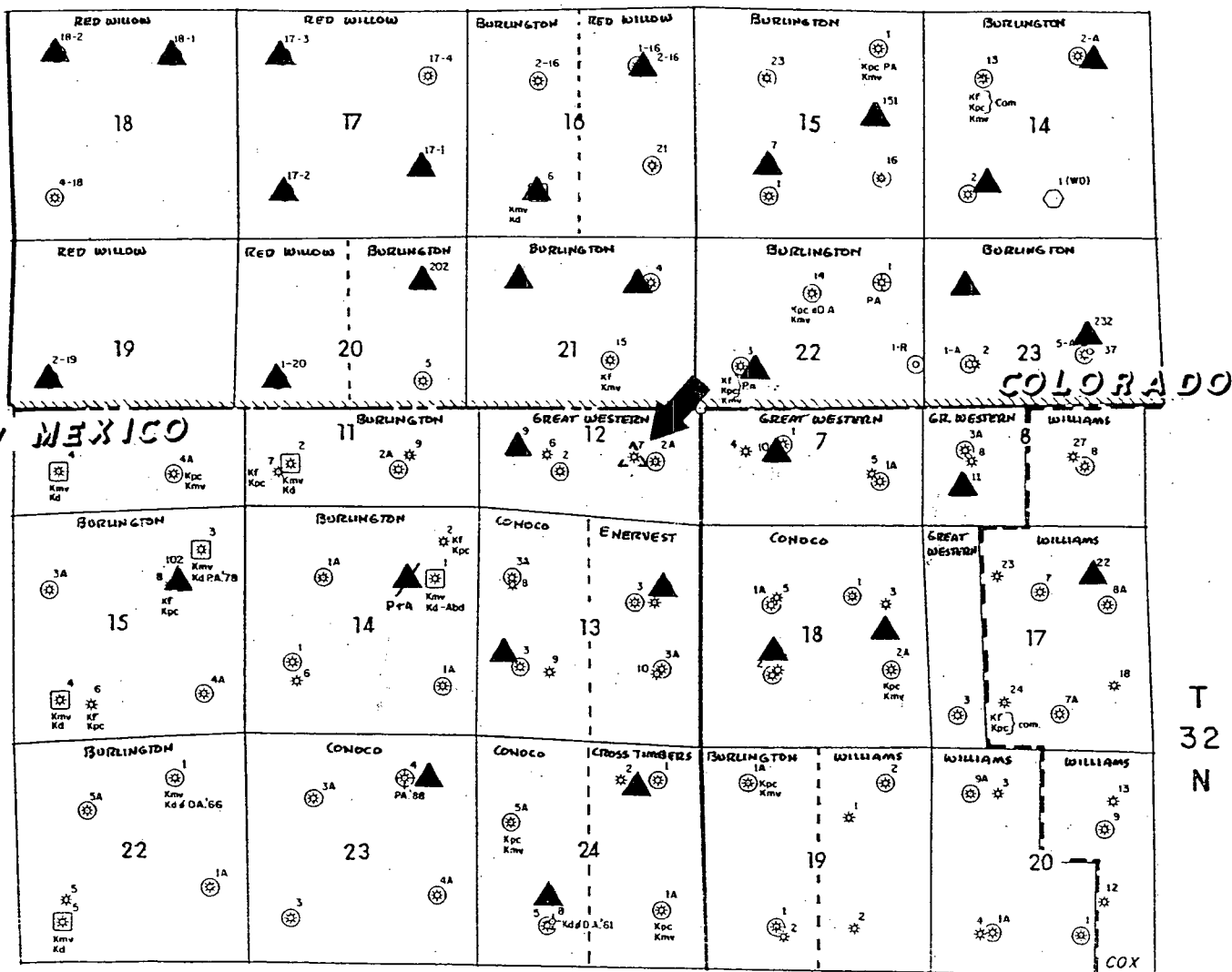
Recompleting and producing well #7 will allow us to recover the share of gas reserves currently being produced by the offset Fruitland Coal wells to the north, in Colorado.

Upon the successful recompletion of well #7 in the Fruitland Coal, Great Western will cease producing J. E. Decker #9, and abandon the wellbore, or use it as a pressure monitoring well. Well #9 was drilled to 2,658' and completed in the Fruitland Coal formation (2,470' – 2,658') in November, 1989. This well was drilled at a standard location for the Fruitland Coal, and currently holds the 320 acre unit in Section 12, producing about 170 MCFPD (280 MMCF cumulative).

R-11-W

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R-11-W

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# Great Western Drilling Company J.E.Decker Lease

and surrounding  
Fruitland Coal leases & operators

San Juan County, New Mexico  
La Plata County, Colorado

Application for Administrative Approval  
of an Unorthodox Well Location

J.E.Decker #7  
32N - 12W - 12J



Existing Fruitland Coal Wells

May-99

**Affected parties notified by this mailout**

Burlington Resources Oil & Gas Co.  
3300 N. "A" St., Bldg. 6  
Midland, TX 79710-1810

Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500

Enervest San Juan Operation LLC  
570 Turner Drive  
Unit B  
Durango, CO 81301



**GREAT WESTERN DRILLING COMPANY**  
Post Office Box 1659 • Midland, Texas 79702 • 915/682-5241

May 4, 1999

Burlington Resources Oil & Gas Co.  
3300 N. "A" St., Bldg. 6  
Midland, TX 79710-1810

Re: **Notification of Application  
for Administrative Approval of an  
Unorthodox Well Location - J. E. Decker #7  
1,480' FSL and 1,580' FEL of Sec 12, T32N, R12W,  
San Juan County, New Mexico**

Gentlemen,

Great Western Drilling Company is applying for administrative approval of an unorthodox location for the J. E. Decker #7, located 1,480' FSL and 1,580' FEL of Sec 12, T32N, R12W, San Juan County, New Mexico.

We are therefore notifying you as a potentially affected party. If you have an objection to this application it must be filed in writing within twenty days from the date notice was sent to: Division Director, New Mexico Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505.

Should you have any questions, please feel free to call me at 915-682-5241.

Sincerely,

Berry D. Simpson  
Petroleum Engineer

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Burlington Resources Oil & Gas  
3300 N. "A" Street, Bldg. 6  
Midland, TX 79710-1810

4a. Article Number

P 497 350 947

4b. Service Type

- ☐ Registered ☒ Certified  
☐ Express Mail ☐ Insured  
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5/5/99

5. Received By: (Print Name)

Jana Joke

6. Signature: (Addressee or Agent)

X Jana Joke

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Conoco, Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500

4a. Article Number

P 497 350 948

4b. Service Type

- ☐ Registered ☒ Certified  
☐ Express Mail ☐ Insured  
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5/5

5. Received By: (Print Name)

Anita Gonzalez

6. Signature: (Addressee or Agent)

X Anita Gonzalez

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
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- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Enervest San Juan Operation LLC  
570 Turner Drive, Unit B  
Durango, CO 81301

4a. Article Number

P 497 350 953

4b. Service Type

- ☐ Registered ☒ Certified  
☐ Express Mail ☐ Insured  
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5/17/99

5. Received By: (Print Name)

Christa Vanduer

6. Signature: (Addressee or Agent)

X Christa Vanduer

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

OIL CONSERVATION DIVISION

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

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator GREAT WESTERN DRILLING CO.	Well API No. 91 9 23 30-045-27426
Address 2550 La Plata Hwy, Farmington, NM 87401	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input 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 checked="" type="checkbox"/> add
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name J. E. DECKER	Well No. 9	Pool Name, including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. SF-078312
Location Unit Letter L : 1506 Feet From The South Line and 938 Feet From The West Line Section 12 Township 32N Range 12W, 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 checked="" type="checkbox"/> Giant Refining Co.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 256, Farmington, NM 87499					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Great Western Drilling Co.	Address (Give address to which approved copy of this form is to be sent) 2550 La Plata Hwy, Farmington, NM 87401					
If well produces oil or liquids, give location of tanks.	Unit L	Sec. 12	Twp. 32N	Rge. 12W	Is gas actually connected? yes	When? 10-90

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
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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.)	RECEIVED OCT 4 1991 OIL CON. DIV. DIST. 3
Length of Test	Tubing Pressure	Casing Pressure	
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	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 Roberta Matthews Clerk  
Printed Name Roberta Matthews Title  
Date 10-1-91 Telephone No. 595-327-0494

OIL CONSERVATION DIVISION

Date Approved OCT 04 1991

By [Signature]

Title SUPERVISOR DISTRICT #3

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

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

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 Brazo 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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator GREAT WESTERN DRILLING CO.	Well API No. 30-045-27426
Address 2550 La Plata Hwy, Farmington, NM 87401	
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 J. E. DECKER	Well No. 9	Pool Name, Including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. SF-078312
Location Unit Letter L : 1506 Feet From The South Line and 938 Feet From The West Line Section 12 Township 32N Range 12W, 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)					
Great Western Drilling Co.	2550 La Plata Hwy, Farmington, NM 87401					
If well produces oil or liquids, give location of tanks.	Unit L	Sec. 12	Tw. 32N	Rge. 12S	Is gas actually connected? No	When? WO pipeline connection

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 11-5-89	Date Compl. Ready to Prod. 1-5-90	Total Depth 2658		P.B.T.D. 2658				
Elevations (DF, RKB, RT, GR, etc.) 6250 GR	Name of Producing Formation Fruitland Coal	Top Oil/Gas Pay 2470		Tubing Depth 2541				
Perforations 2470-2658				Depth Casing Shoe				
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
	10-3/4		261		325 sx class "B" 2% CaCl			
	7		2470		448 sx 12% gel + 119 Reg.			
	2-3/8		2541					

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

RECEIVED  
MAY 01 1991  
OIL CON. DIV.  
DIST. 3

GAS WELL

Actual Prod. Test - MCF/D 1450 / 180	Length of Test 3 hr	Bbls. Condensate/MMCF 0	Gravity of Condensate 0
Testing Method (pilot, back pr.) 3/4" orifice	Tubing Pressure (Shut-in) 1040	Casing Pressure (Shut-in) 1048	Choke Size 2 X 3/4

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 D. E. Baxter Supt.  
Printed Name D. E. Baxter Title  
Date 4-25-91 Telephone No. 327-0494

OIL CONSERVATION DIVISION

Date Approved MAY 01 1991

By [Signature]  
Title SUPERVISOR DISTRICT # 3

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

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter or other.



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 ☐ 84 2:59

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. SERV. ☐ Other ☐

2. NAME OF OPERATOR  
GREAT WESTERN DRILLING CO.

3. ADDRESS OF OPERATOR  
2550 La Plata Hwy, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1506' FSL & 938' FWL  
At top prod. interval reported below  
At total depth Same

14. PERMIT NO. DATE ISSUED  
API# 30-045-27426 8-20-90

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD  
11-5-89 11-20-89 1-5-90 6250 GR 6250 GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE  
2658 2658 0-2658 Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Compensated density, EPI neutron Log and Induction Guard  
27. WAS WELL CORED  
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40.5	261'	14-3/4"	383 cu. ft. class "B" 2% ca. cl.	N/A
7"	23.0	2470'	8-3/4"	735 cu. ft. 12% gel + 221 cu. ft. reg. cement cir. o.k.	N/A

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
None					2-7/8"	2541

31. PERFORATION RECORD (Interval, size and number)		ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
No acid	391,000 gals. fresh water		
	82,000 lbs. 100 mesh sand		

33.\*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-5-90		Flow				W. O. Pipeline	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-5-90	3 hrs.	3/4"	→	0	180-3 hr	16- 3 hr	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1104	1117	→	0	1450	127	CERTIFIED FOR RECORD	

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

35. LIST OF ATTACHMENTS  
See back for tops

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED: D. E. Baxter TITLE: Area Superintendent DATE: August 20, 1990

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

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo-Alamo Kirtland Fruitland Fruitland Coal	Surface 1072' 2250' 2476'	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO

1a. TYPE OF WORK

DRILL ☒

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR

Great Western Drilling Company

3. ADDRESS OF OPERATOR

2550 La Plata Hiway Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface

1506' FSL & 938' FWL Section 12, T32N., R12W.

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

19 miles N. of Farmington, NM 4 1/2 miles on 173 turn North San Juan NM

15. DISTANCE FROM PROPOSED LOCATION\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6250' GL DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

23. "GENERAL CEMENTING AND CEMENTING PROGRAM"

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
14 3/4"	10 3/4"	40#	250'	325 sx to surface (308 cu
8 3/4"	7"	23#	TD 2700'	600 sx (650 cu')

See Attached Drilling Program and Surface Use Plan.

All roads will be maintained in as good or better condition, as found.

"Approval of this action does  
not warrant that the applicant  
holds legal or equitable rights  
or title to this lease."

RECEIVED  
SEP 08 1989  
OIL CON. DIV.  
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*[Signature]*

TITLE

Agent

(This space for Federal or State office use)

APPROVED  
AS AMENDED

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCD

SEP 05 1989

AREA MANAGER

\*See Instructions On Reverse Side

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

1687

Operator GREAT WESTERN DRILLING COMPANY			Lease J. E. DECKER		Well No. 9
Unit Letter L	Section 12	Township 32 N	Range 12 W	County San Juan	
Actual Footage Location of Well: 1506 feet from the South line and 938 feet from the West line					
Ground level Elev. 6250	Producing Formation FRUITLAND COAL	Pool SAME	Dedicated Acreage: 336 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

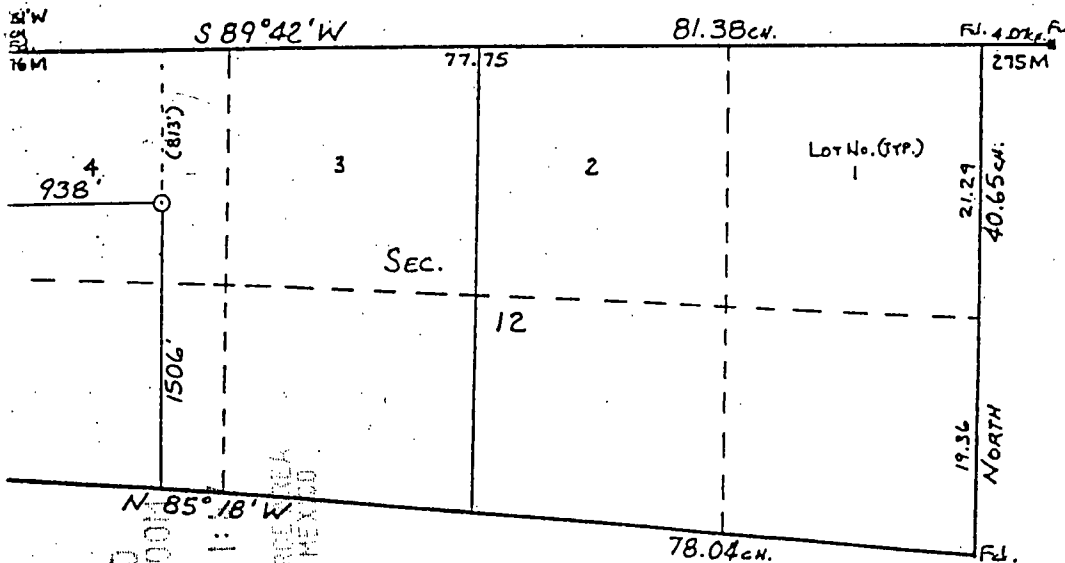
Signature <i>D. E. Baxter</i>
Printed Name D. E. Baxter
Position Superintendent
Company Great Western Drilg. Co.
Date May 8, 1989

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 knowledge and belief.

5-8-89

Date Surveyed William E. Mahnke II
Signature & Seal of Professional Surveyor <i>William E. Mahnke II</i>
Certification No. 8466



RECEIVED  
MAIL ROOM

03 AUG 21 PM 1:10

FARMINGTON RESOURCE DEPT.  
FARMINGTON, NEW MEXICO

1" = 1000'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen; plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

GREAT WESTERN DRILLING CO.

3. ADDRESS OF OPERATOR

2550 La Plata Hwy, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with BLM requirements.\*  
See also space 17 below.)

At surface

1506' FSL & 938' FWL  
Sec. 12, T-32N, R-12W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6250 GR API# 30-045-27426

5. LEASE DESIGNATION AND SERIAL NO.

SF-078312

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

J. E. DECKER

9. WELL NO.

9

10. FIELD AND POOL, OR WILDCAT

Fruitland Coal

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 12, T-32N, R-12W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Completion to date

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

17. 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.)\*

11-20-89

Frac 11" open hole 2470-2657 w/391,000 gals fresh water, 82,000# 100 mesh sand, max. 1250 PSI, min. 950 PSI, injection rate 82 BPM, total water to recovery 9,315 bbls, close well in for max. csg. build up.

1-4~~X~~-90

Csg. PSI 1080#, install choke on top of well head, blow well down, blow well 48 hrs. on 16/64 choke, pressure down to 53 lbs. recovered 18 bbl's of heavy wax condensate and 195 bbls of water, ran 80 jt's 2-7/8" tubing, landed @ 2541', set 7 days to get buildup pressure.

1-5-90

Csg. PSI 1117#, installed 3' X 8' separator, blow well 3 hrs. rec. 1 bbl oil (wax) & 23 bbls water on 3/4" choke, well gauged 734 MCFD, shut well in W.O. pipe line.

RECEIVED

MAR 16 1990

OIL CON. DIV.

DIST. 3

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

SIGNED

TITLE Superintendent

Accepted For Record

DATE 2-23-90

MAR 13 1990

DATE

Chief, Branch of  
Mineral Resources  
Farmington Resource Area

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

\*See Instructions on Reverse Side

(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on re-  
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF-078312

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

J. E. Decker

9. WELL NO.

9

10. FIELD AND POOL, OR WILDCAT

Fruitland Coal

11. SEC., T., B., M., OR BLK. AND  
SURVEY OR AREA

Sec. 12, T-32N, R-12W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

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" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

GREAT WESTERN DRILLING CO.

3. ADDRESS OF OPERATOR

2550 La Plata Hwy, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)

At surface

1506' FSL & 938' FWL

Sec. 12, T-32N, R-12W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6250 GR API# 30-045-27426

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ FULL OR PARTIAL CASING ☐

FRACTURE TREATMENT ☐ MULTIPLE COMPLETION ☐

SHOOT OR ACIDIZE ☐ ABANDONMENT ☐

REPAIR WELL ☐ CHANGE PLANS ☐

(Other) ☐

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Drilling & Completion to date ☒

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

17. 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 permanently drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11/5/89 Spud 14-3/4" surface hole, ran 6 jt's 10-3/4" 40.5# csg. set @ 261' cemented w/324.5 cu. ft. class "B" cement + 2% CaCl plug down @ 10:45 P.M. 11-5-89. WOC 12 hrs. Nipple up B.O.P. choke manifold and fillup line, pressure test 10-3/4" csg & B.O.P. 800# for 30 min. o.k.

11/8/89 T.D. 8-3/4" hole @ 12:00 P.M. lay down drill pipe and collars, ran 63 jt's 23# J-55 8rd ST&C csg. set @ 2470', cemented w/448cu. ft. of 65/35 posmix + 12% gel followed with 118 cu. ft. class "B" neat, plug down @ 6:15 A.M. 11-8-89, circulated approximately 28 cu. ft. of good cement to pit, set slips around 7" csg. cut pipe off and released drilling rig @ 8:00 A.M. 11-8-89.

11/17/89 Move in completion rig, rig up B.O.P. and blow lines, pressure test 7" csg. & B.O.P. to 2500# 1/2 hr. held o.k. trip in w/bit (6 1/2") tag up @ 2402', blow hole dry, mist drill cement & float collar @ 2430', mist drill cement & float collar @ 2470' (drill Fruitland Coal 2470-2658).

11/19/89 Resumed drlg, drlg new 6 1/2" hole below 7" csg. @ 8:15 A.M. 2470-76, SH 3' 2476-82' coal 1 1/2"/ft. 8287-sh, 87-92, coal 1 1/2"/ft, 2492-2563', Sh & SS, 2562-82 coal 2582-85, SH, 2586-2602 coal; 2602-29 SH' 2629-33 coal; 2633-35 Sh; 2635-49 coal; 2649-57, TD in shale drld w/air, tested @ 2487, 5 mcfd rate @ 2526, TSTM, increase @ 2557; increase TSTM @ 2589, inc. 3 mcfd @ 2620 inc. TSTM @ 2652' inc. TSTM @ 2657, inc. 2 mcfd, blew hole 1 hr. POOH, RU Hallib & ran open hole logs, log TD 2658', ran Com Density, EPI Neutron, Calipher, IND. Guard, RD loggers left well open.

11/20/89 Closed rams, tested well f/1/2 hr. gas rate 1 mcfd, ran 11" under reamer to btm of 7" csg. started under reaming 6 1/2" hole, reamed 2470-2575, had some shows while under reaming

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

SIGNED

*D. E. Bayler*

TITLE Superintendent

DATE 1-4-90

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD

NMOCD

Continued on back

FEB 09 1990

\*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

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.

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.**

**Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.**

## PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

as when drlg 6 1/2" hole, PU reamer, SDFN.  
11/22/89 RD workover rig, RD B.O.P., air comps, & boosters,  
put tbg bonnet on well head, SWI. Released rig.

Submit to Appropriate  
District Office  
State Lease -- 6 copies  
Fee Lease -- 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

API NO. (assigned by OCD on New Wells)
30-045-27426
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 14-08-001-1687

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Lease Name or Unit Agreement Name J. E. Decker			
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Well No. 9			
2. Name of Operator Great Western Drilling Co.		9. Pool name or Wildcat B/S Fruitland Coal (336)			
3. Address of Operator 2550 La Plata Hwy, Farmington, NM 87401					
4. Well Location Unit Letter L : 1506 Feet From The South Line and 938 Feet From The West Line Section 12 Township 32N Range 12W NMPM San Juan County					
10. Proposed Depth 2800 +		11. Formation Fruitland			
12. Rotary or C.T.					
13. Elevations (Show whether DF, RT, GR, etc.) 6250		14. Kind & Status Plug. Bond Nationwide			
15. Drilling Contractor Unknown		16. Approx. Date Work will start 8-15-89			
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14-3/4"	10-3/4"	40#	250+	325	Circulated
8-3/4"	7"	23#	T.D.	600	Circulated
6 1/4"	5 1/2"			cement	

- 1 - Drill & set surface csg. w/cement circulated to surface
- 2 - Set B.O.P., test B.O.P. and surface pipe 1000# before drilling out shoe
- 3 - Drill 8-3/4" hole or larger, set 7" csg. 5 or 10' above first coal seam, bring cement to surface.
- 4 - Move out drilling rig, move in completion rig.
- 5 - Drill 6 1/4" hole through all of Fruitland coal section.
- 6 - Test and run slotted liner.

RECEIVED

AUG 8 1989

RECEIVED

JUL 24 1989

OIL CON. DIV  
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE D. E. Baytes TITLE Superintendent DATE July 21, 1989

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY Emil A. Burch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUL 26 1989

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 1-26-90  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.



# OIL CONSERVATION DIVISION

**P.O. Box 2088**

**Santa Fe, New Mexico 87504-2088**

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

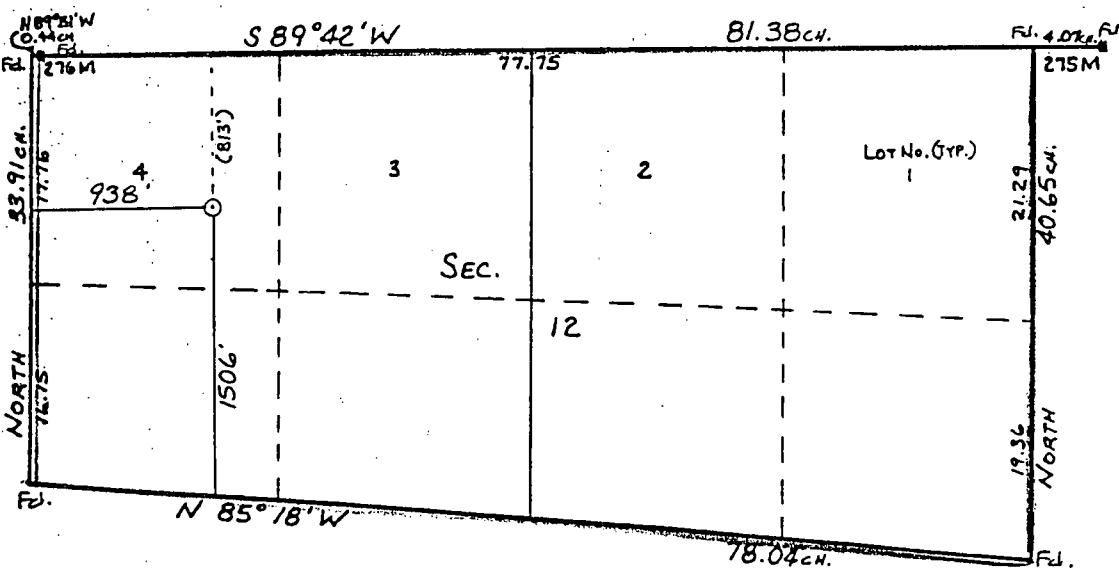
**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

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

# WELL LOCATION AND ACREAGE DEDICATION PLAT

**All Distances must be from the outer boundaries of the section**

Operator <b>GREAT WESTERN DRILLING COMPANY</b>		Lease <b>J. E. DECKER</b>		Well No. <b>9</b>
Unit Letter <b>L</b>	Section <b>12</b>	Township <b>32 N</b>	Range <b>12 W</b>	County <b>NMPM San Juan</b>
Actual Footage Location of Well: <b>1506</b> feet from the <b>South</b> line and <b>938</b> feet from the <b>West</b> line				
Ground level Elev. <b>6250</b>	Producing Formation <b>FRUITLAND COAL</b>	Pool <b>SAME</b>	Dedicated Acreage: <b>336</b> Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>				



1° = 1000'

## OPERATOR CERTIFICATION

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

Signature	<i>D. E. Baxter</i>
Printed Name	D. E. Baxter
Position	Superintendent
Company	Great Western Drlg. Co.
Date	May 8, 1989

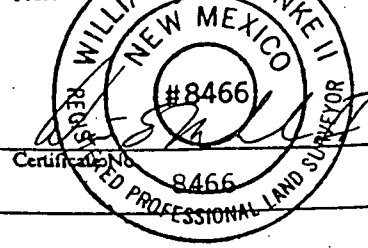
### SURVEYOR CERTIFICATION

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 knowledge and belief.

5-8-89

Date Surveyed  
William E. Mahnke II

Signature & Seal of E. MAHAN  
Professional Surveyor



EL PASO NATURAL GAS COMPANY  
POST OFFICE BOX 990  
FARMINGTON, NEW MEXICO

10

NOTICE OF GAS CONNECTION

DATE May 2, 1979

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM Great Western Drilling Company  
OperatorJ. E. Decker #7  
Well Name90-445-01  
Meter Code26297  
Site CodeJ  
Well Unit12-32-12  
S-T-RUndesignated Pictured Cliff  
PoolEl Paso Natural Gas Company  
Name of PurchaserWAS MADE ON April 23, 1979,  
DateFIRST DELIVERY April 30, 1979  
DateAOF 552CHOKE 547El Paso Natural Gas Company  
Purchaser[Signature]  
RepresentativeChief Dispatcher  
Titlecc: Operator Midland  
Oil Conservation Commission - 2  
Proration - El Paso

File

J



NO. OF COPIES RECEIVED		5
DISTRIBUTION		
SANTA FE		1
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	1
OPERATOR		2
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

API 30-045-23102

I.

Operator <b>Great Western Drilling Co.</b>	
Address <b>125 Petroleum Plaza Farmington, New Mexico 87401</b>	
Reason(s) for filing (Check proper box)	
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 Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Other (Please explain)	

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>J. E. Decker</b>	Well No. <b>7</b>	Pool Name, Including Formation <b>Blanco P. C.</b>	Kind of Lease State, Federal or Fee <b>Fee</b>
Location			
Unit Letter <b>J</b>	<b>1480</b> Feet From The <b>South</b> Line and <b>1580</b> Feet From The <b>East</b>		
Line or Section <b>12</b>	Township <b>32N</b>	Range <b>12W</b>	NMPM, <b>San Juan</b> 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 type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)		
<b>El Paso Natural Gas Co.</b>	<b>P. O. Box 990 Farmington, New Mexico 87401</b>		
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.
			Rge.
			Is gas actually connected? <b>No</b> When

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.
		<b>X</b>	<b>X</b>					
Date Spud led <b>9-4-78</b>	Date Compl. Ready to Prod. <b>9-9-78</b>		Total Depth <b>3035</b>	P.B.T.D. <b>2989</b>				
Pool <b>Blanco P. C.</b>	Name of Producing Formation <b>Pictured Cliffs</b>		Top Oil/Gas Pay <b>2892</b>	Tubing Depth <b>None 2910</b>				
Perforations				Depth Casing Shoe				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<b>12 1/4</b>	<b>8-5/8" 24# K-55</b>	<b>104'</b>	<b>90 sx reg + 3% ClCa<sub>2</sub></b>
<b>7-7/8"</b>	<b>4 1/2" 10.5# K-55</b>	<b>3033'</b>	<b>100 sx class B and 525</b>
			<b>sx Howco light</b>

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 Tanks	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 <b>CAOF 552</b>	Length of Test <b>24 hrs.</b>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) <b>1 point back press.</b>	Tubing Pressure	Casing Pressure <b>890 SI</b>	Choke Size <b>.50</b>

VI. CERTIFICATE OF COMPLIANCE

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

*D. E. Bayler*  
(Signature)

Superintendent  
(Title)

1-24-79  
(Date)

OIL CONSERVATION COMMISSION

APPROVED **JAN 30 1979**, 19

BY *Frank S. Clancy*

TITLE **DEPUTY OIL & GAS SUPERVISOR**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completions.

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	1

Form C-105  
Revised 1-1-65

# NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL	
OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>
b. TYPE OF COMPLETION	
NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>

7. Unit Agreement Name
8. Farm or Lease Name
J. E. Decker
9. Well No.
7
10. Field and Pool or Wildcat
Blanco P. G. Ext.

2. Name of Operator
Great Western Drilling Co.
3. Address of Operator
125 Petroleum Plaza Farmington, New Mexico 87401

11. Location of Well
UNIT LETTER J LOCATED 1480 FEET FROM THE South LINE AND 1580 FEET FROM

4. Location of Well
THE East LINE OF SEC. 12 TWP. 32N RGE. 12W NMPM
12. County
San Juan

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
9-4-78	9-9-78	9-27-78	6369' G.R.	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
3035	2989			3035

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
2892 to 2946 Pictured Cliffs	Yes

26. Type Electric and Other Logs Run	27. Was Well Cored
Induction Electric, Compensated Neutron Densilog Gamma Ray & Caliper	No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24# K-55	104'	12 1/2"	90 sx class B + 3% ClCa <sub>2</sub>	Cement circ.
4 1/2"	10.5# K-55	3033'	7-7/8"	1st stage 150 sx Howco light & 100 sx class B	
				2nd st. 425 sx Howco light	cement circ.

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					1 1/2"	2910	

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
1 zone 2892 to 2946 .30" 2 shots per ft. 108 holes	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED
	2892 to 2946 500 gal 15% MCA acid
	105,000# 20-20 sand 65,266 gal foam (70 for 15% MCA and 25 to 30% KOI water)

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					
		Flowing					
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Ratio
10-5-78	24	.500					
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
	890 SI			552 AOFP			

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Waiting on pipeline connection	Tefsteller Inc.

35. List of Attachments

36. 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.		
SIGNED <u>D. E. Bay</u>	TITLE <u>Superintendent</u>	DATE <u>1-24-79</u>

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland <u>2630</u>	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs <u>2826</u>	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
 Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date <b>10-5-78</b>	
Company <b>Great Western Drilling Co.</b>				Connection <b>El Paso Natural Gas Co.</b>			
Pool <b>Blanco</b>				Formation <b>Pictured Cliffs</b>		Unit	
Completion Date <b>9-27-78</b>		Total Depth <b>3035</b>		Plug Back TD <b>2990</b>		Elevation <b>6390' GL</b>	
Farm or Lease Name <b>J. E. Decker</b>		Well No. <b>7</b>					
Csg. Size <b>4.500</b>	Wt. <b>10.5</b>	d <b>4.052</b>	Set At <b>3035</b>	Perforations: From <b>2892</b> To <b>2946</b>		Unit Sec. Twp. Rge. <b>J 12 32N 12W</b>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <b>Single Gas</b>				Packer Set At		County <b>San Juan</b>	
Producing Thru <b>Casing</b>		Reservoir Temp. °F <b>120 @ 2920'</b>		Mean Annual Temp. °F		Baro. Press. - P <sub>a</sub> <b>12.0</b>	
State <b>New Mexico</b>							
L	H	G <sub>g</sub> <b>0.65</b>	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S	Prover	Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI											
1.	2.0	0.500				60			390		1 day
2.									91		24 hours
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor - Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	4.279			1.000	1.240	1.000	547
2.							
3.							
4.							
5.							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P <sub>c</sub> <b>890</b>	P <sub>c</sub> <sup>2</sup> <b>792100</b>	
NO.	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub>
1		
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0108$$

$$AOF = Q \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 552$$

$$(2) \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0092$$

Absolute Open Flow <b>552</b> Mcfd @ 15.025	Angle of Slope $\theta$ _____	Slope, n <b>.85</b>
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: <i>D. E. Bay</i>
		Checked By:

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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

## 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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator Great Western Drilling Co. 3. Address of Operator 125 Petroleum Plaza Farmington, N.M. 87401 4. Location of Well UNIT LETTER J 1480 FEET FROM THE South LINE AND 1580 FEET FROM THE East LINE, SECTION 12 TOWNSHIP 32N RANGE 12W NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 6369' G.R.	7. Unit Agreement Name 8. Farm or Lease Name J. E. Decker 9. Well No. 7 10. Field and Pool, or Wildcat Blanco P.C. Ext. 12. County San Juan
---	---

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	

17. 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.

9-5-78 Spud 12 1/4" hole @ 10:15 PM 9-4-78. Ran 3 jt's 8-5/8" 24# ST&C csg. 94' set @ 104' cemented w/90 sacks Class "B" + 3% CaCl<sub>2</sub>. Plug down 5:30 AM 9-5-78 Cement cir.  
9-10-78 Ran 95 jt's 4 1/2" 10.5# J-55 casing 3024' set @ 3033' w/2 stage collar @ 1919', cemented first stage w/150 sacks Howco lite followed w/100 sacks reg. class "B" w/4# flocele added, open 2nd stage and circulate 38 sacks cement to surface, WOC 4 hrs. cemented 2nd stage w/425 sacks Howco lite circulate 35 sacks around. Plug down @ 11:30 AM 9-10-78.  
Released rig @ 4:00 PM 9-10-78.

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

SIGNED <u>D. E. Baxter</u>	TITLE <u>Superintendent</u>	DATE <u>9-15-78</u>
APPROVED BY <u>AR Hendrick</u>	TITLE _____	DATE <u>SEP 16 1978</u>
CONDITIONS OF APPROVAL, IF ANY:		



# United States Department of the Interior

## GEOLOGICAL SURVEY

P. O. Box 26124  
Albuquerque, New Mexico 87125

JUL 17 1978

JUL 14 1978

✓ Great Western Drilling Co.  
Attention: Mr. W. T. Cowan  
P. O. Box 1659  
Midland, Texas 79701

*Well file*

Gentlemen:

Enclosed are two approved copies of communitization agreement SRM-1277 involving 44.00 acres of land in Federal lease Santa Fe 378312 and 124.00 acres of Fee land, San Juan County, New Mexico, comprising a 168.00-acre well spacing unit.

The agreement communitizes all rights as to dry gas and associated liquid hydrocarbons producible from the Picturae Cliffs formation in lots 3 and 4, and the ~~SE 1/4~~ sec. 12, T. 32 N., R. 12 W. S.M.P.M., and is effective as of March 29, 1978.

You are requested to furnish all interested principals with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) GENE F. DANIEL

ACTING Oil and Gas Supervisor, SNWA

Enclosures (2)

cc:

BLM, Santa Fe (w/cy agr.)  
BMOCD, Santa Fe (ltr. only) - *attach this copy for*  
Com. Pub. Lands, Santa Fe (ltr. only)



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# NEW MEXICO OIL CONSERVATION COMMISSION

30-045-23102

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work				7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. Farm or Lease Name J.E. Decker	
2. Name of Operator Great Western Drilling Co.				9. Well No. 7	
3. Address of Operator 125 Petroleum Plaza Farmington, New Mexico 87401				10. Field and Pool, or Wildcat Undesignated Pictured Cliffs	
4. Location of Well UNIT LETTER J LOCATED 1480 FEET FROM THE South LINE AND 1580 FEET FROM THE East LINE OF SEC. 12 TWP. 32N RGE. 12W NMPM				12. County San Juan	
19. Proposed Depth 3600				19A. Formation Pictured Cliffs	
20. Rotary or C.T. Rotary				21. Elevations (Show whether DF, RT, etc.) 6369	
21A. Kind & Status Plug. Bond Blanket on file				21B. Drilling Contractor Young Drilling Co.	
22. Approx. Date Work will start 7-15-78					

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11	7"	20	200' + or -	160	Circulate
6 1/4	2 7/8	8.7	3600	576	Circulate

Drill and set surface pipe.

Install 6" 900 series double gate B. O. P. test B. O. P. and pipe to 1500 lbs.

Drill 6 1/4" hole with mud to T. D.

Run 2 7/8 8rd. J-55 E.U.E. tubing for production string, circulate cement on production string.

Determine by logs what to perforate and frac in Pictured Cliffs.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 9-6-78

Dedicated



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed D. E. Bayler Title Superintendent Date 6-7-78

(This space for State Use)

APPROVED BY Frank S. Chang TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUN 8 1978

CONDITIONS OF APPROVAL, IF ANY:

write down

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator <b>Great Western Drilling Company</b>			Lease <b>S.E. Decker</b>		Well No. <b>7</b>
Unit Letter <b>J</b>	Section <b>12</b>	Township <b>32N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1480</b> feet from the <b>South</b> line and <b>1530</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5369</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>Undesignated</b>		Dedicated Acreage: <b>168.00</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes   ☐ No   If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

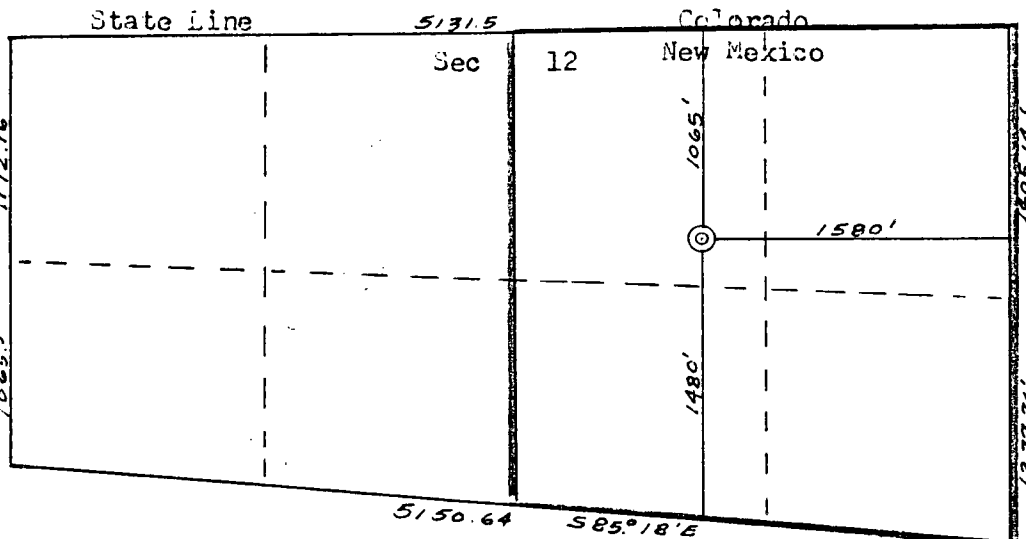
**CERTIFICATION**

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

Name *D. E. Bayte*  
 Position **Dist. Supervisor**  
 Company **Great Western Drilling Co.**  
 Date **6-7-78**

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 knowledge and belief.

Date Surveyed **March 10, 1978**  
 Registered Professional Engineer and Land Surveyor  
*Fred E. Kerr Jr.*  
 Certificate No. **3950**



SCALE: 1"=1000'





CMD :  
OG5SECTONGARD  
INQUIRE LAND BY SECTION06/04/99 10:56:26  
OGOMES -TPQC  
PAGE NO: 2

Sec : 12 Twp : 32N Rng : 12W Section Type : NORMAL

4 44.00  Federal owned  A	3 44.00  Fee owned  A	2 44.00  Fee owned  A	1 44.00  Federal owned  A
M 40.00  Fee owned	N 40.00  Fee owned  A	O 40.00  Fee owned	P 40.00  Fee owned

PF01 HELP  
PF07 BKWDPF02  
PF08 FWDPF03 EXIT  
PF09 PRINTPF04 GoTo  
PF10 SDIVPF05  
PF11PF06  
PF12

84.00  
84.00  
168.00  
168  
336.00

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

06/04/99 10:56:21  
OGOMES -TPQC  
PAGE NO: 1

Sec : 12 Twp : 32N Rng : 12W Section Type : NORMAL

4	3	2	1
44.00	44.00	44.00	44.00
Federal owned	Fee owned	Fee owned	Federal owned
A	A	A	A

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12