

District I
PO Box 1980, Hobbs, NM 88241-1980

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address GREAT WESTERN DRILLING COMPANY P.O. BOX 1659 MIDLAND, TEXAS 79702		OGRID Number 009338
Property Code		API Number 30 - 045-23102
Property Name J.E. DECKER		Well No. 7

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
J	12	32N	12W		1480	SOUTH	1580	EAST	SAN JUAN

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
Proposed Pool 1 BASIN FRUITLAND COAL					Proposed Pool 2				

Work Type Code P	Well Type Code G	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 6369
Multiple No	Proposed Depth 2847	Formation FRUITLAND COAL	Contractor	Spud Date

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	24	104	90	CIRCULATED
7 7/8	4 1/2	10.5	3033	625	CIRCULATED

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This well is currently producing from the Pictured Cliffs Zone (2892-2946); Plug back zone is the Fruitland Coal (2648-2816).

Set CIBP @ 2,882' and cover with 35' cement. Mill out 4 1/2" casing from 2,648'-2,816'. Under ream open hole from 2,648'-2,816'. Complete coal zone using cavitation technique.

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

Signature:

Printed name: BERRY D. SIMPSON

Title: PETROLEUM ENGINEER

OIL CONSERVATION DIVISION

Approved By:

Title:

Approval Date:

Expiration Date:

JUL 22 1999
HOLD C-104 FOR J.E. DECKER #9
104A

District I
PO Box 1980, Hobbs, NM 88241-1980

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 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

1 API Number 30-045-23102	2 Pool Code 71629	3 Pool Name BASIN FRUITLAND COAL
4 Property Code	5 Property Name J.E. DECKER	6 Well Number 7
7 OGRID No. 009338	8 Operator Name GREAT WESTERN DRILLING COMPANY	9 Elevation 6369

10 Surface Location

UL or lot no. J	Section 12	Township 32N	Range 12W	Lot Idn	Feet from the 1480	North/South line SOUTH	Feet from Line 1580	East/West Line EAST	County SAN JUAN
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	------------------------	------------------------	--------------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
12 Dedicated Acres 320.00	13 Joint or Infill	14 Consolidation Code	15 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 D	C	B	A	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature GINA KING Printed Name PRODUCTION TECHNICIAN Title Date
E	F	G	H	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 Surveyer: Certificate Number
L	K	J	I	
M	N	O	P	

#7

1580'

1480'

OK (9)

Proposed procedure for recompletion of J. E. Decker #7

John Keeling & Berry Simpson

July 14, 1999

1. MIRU workover rig.
2. Kill well, install BOPs, HCR valves, and blooie lines
3. Pull production tubing and lay down.
4. Run CIBP and set at 2,882' (10 feet above top perforation)
5. Dump 3 cu. ft. of cement on top of CIBP (35').
6. Test casing and all connections to 1,500 psi.
7. If necessary, run GR/CCL correlation log to determine top of coal and milling point (may be able to use existing log).
8. Mill out 4-1/2" casing from 2,648' to 2,816' (168') using air or air-mist drilling equipment.
9. Test gas using a pitot tube to determine flow rate.
10. Under-ream open hole section (2,648' – 2,816') using air or air-mist.
11. Test gas using a pitot tube to determine flow rate. Acidize wellbore if necessary (to remove any lingering cement from the primary cement job).
12. Shut in well for at least 4 hours to establish a pressure base for cavitation.
13. Pull drill pipe and bit up hole and begin cavitation.
 - (a) Pressure-up coal section with compressed air.
 - (b) Open well and allow it to blow down.
 - (c) Run drill pipe and bit to clean out coal debris.
 - (d) Repeat this sequence until the well stops blowing coal dust.
14. During cavitation process, record flow rate and pressure (after overnight buildup) on a daily basis.
15. POH with drill string and all tools and lay down. Run production string and install wellhead.
16. Make battery modifications as required.
17. Return well to production.

8-5/8" @
104

J. E. Decker # 7

GL: 6,369 Status: active gas
KB: Zone: Pictured Cliffs
TD: 3,035
PBD: 2,989 Perfs: 2,768 2,824
Fr. Wtr:
Legal: 1,480 FSL API: 30-045-23102
1,580 FEL Dist: Farmington
Unit: J
Section: 12 Field: Blanco Pictured Cliffs
Survey: T-32N R-12W
County: San Juan
Texas: New Mexico

Casing	Wt	Set	Cmt	Hole	TOC	Method
8-5/8"	24	104	90	12-1/4		circulated
4-1/2"	10.5	3,033	625	7-7/8"	surface	circulated
1-1/2"		2,910				

1407 - 1468

1507 - 1510

perfs were
squeezed
with 350 sx

1661 - 1734

1967 - 1977

1990 - 1996

perfs were
squeezed
with 350 sx

2142 - 2145

168'
2,648
Fruitland Coal
2,816

4-1/2" @
3,033

PBD @ 2,989
TD @ 3,035

Pictured Cliffs
2892-2946 @ 2 SP



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

June 17, 1999

Great Western Drilling Company
P. O. Box 1659
Midland, Texas 79702
Attention: Berry D. Simpson

Administrative Order NSL-4313

Dear Mr. Simpson:

Reference is made to the following: (i) your application dated May 24, 1999; and (ii) the New Mexico Oil Conservation Division's ("Division") records in Santa Fe: all concerning Great Western Drilling Company's ("Great Western") request for an off-pattern non-standard Basin-Fruitland coal gas well location for the existing J. E. Decker Well No. 7 (API No. 30-045-23102), located 1480 feet from the South line and 1580 feet from the East line (Lot 2/Unit J) of irregular Section 12, Township 32 North, Range 12 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico.

All of irregular Section 12, being a standard 336.00-acre lay-down gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool, is to be dedicated to this well.

It is our understanding that the J. E. Decker Well No. 7 was initially drilled in 1978 and completed at a standard gas well location in the Blanco-Pictured Cliffs Pool within a standard 168.00-acre gas spacing and proration unit comprising Lots 1 and 2 and the S/2 SE/4 of Section 12.

It is further understood that Great Western intends to abandon the Pictured Cliffs interval in this well at this time and to recompleate up-hole into the Basin-Fruitland Coal (Gas) Pool. Pursuant to the "*Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool*," as promulgated by Division Order No. R-8768, as amended, the location of this well is considered to be unorthodox.

This 336.00-acre unit currently exists and is dedicated to Great Western's J. E. Decker Well No. 9 (API No. 30-045-27426), located at a standard coal gas well location 1506 feet from the South line and 938 feet from the West line (Lot 4/Unit L) of Section 12. Per your application and Division Rule 104.D(3) the J. E. Decker Well No. 9 is to cease producing gas from the Basin-Fruitland Coal (Gas) Pool at such time as the subject J. E. Decker Well No. 7 is successfully recompleated as a producing Basin-Fruitland coal gas well and connected to a pipeline.

By the authority granted me under the provisions of Rule 8 of these special pool rules the above-described unorthodox Basin-Fruitland coal gas well location for Great Western's J. E. Decker Well No. 7 is hereby approved.

Sincerely,

Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec