

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88241-1980
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

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

Form C-140
Revised 06/99

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR
WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address Enron Oil & Gas Company P.O. Box 2267 Midland, Texas 79702							OGRID Number 7377	
Contact Party M. Lee Roark							Phone 915/686-3608	
Property Name Diamond "7" Federal					Well Number 2		API Number 30-025-32246	
UL G	Section 7	Township 25S	Range 34E	Feet From The 1980	North/South Line North	Feet From The 1780	East/West Line East	County Lea

H-0572

12-6-99

II. Workover

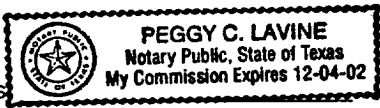
Date Workover Commenced: 07/09/99	Previous Producing Pool(s) (Prior to Workover): Current/Prior: Red Hills (Bone Spring)
Date Workover Completed: 07/15/99	

- III. Attach a description of the Workover Procedures performed to increase production.
IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)
M. Lee Roark, being first duly sworn, upon oath states:
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature M. Lee Roark Title Engineer Tech Date 12/02/99
SUBSCRIBED AND SWORN TO before me this 2nd day of Dec, 1999.

My Commission expires  Notary Public Peggy C. Lavine

FOR OIL CONSERVATION DIVISION USE ONLY:

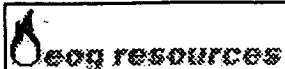
VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 7-15, 1999.

Signature District Supervisor <u>Paul J. Kuntz</u>	OCD District <u>1</u>	Date <u>12/13/99</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

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WELL CHRONOLOGY REPORT

WELL NAME : DIAMOND 7 FED #02
FIELD : RED HILLSCOUNTY & STATE : LEAWI% : 95.31831 AFE# : 101713DHC : \$147,600

CWC :

API# :

AFE TOTAL : \$147,600DISTRICT : MIDLANDLOCATION : 1980' FNL & 1780' FEL

CONTRACTOR :

PLAN DEPTH :

SPUD DATE :

FORMATION : BONE SPRINGSREPORT DATE : 07/09/1999 MD : 0TVD : 0DAYS : 0

MW :

VISC :

DAILY : DC : \$0CC : \$103,800TC : \$103,800CUM : DC : \$0CC : \$103,800TC : \$103,800ACTIVITY AT REPORT TIME : KILL WELL

DAILY DETAILS : 7 hrs MIRU Sierra pulling unit and QOS kill truck. Kill well. ND wellhead. NU BOP. TIH with 4-3/8" bit and 5-1/2" scraper 60 jts of tbg. Install TIW valve. Secure well and SDFN.

REPORT DATE : 07/10/1999 MD : 0TVD : 0

DAYS :

MW :

VISC :

DAILY : DC : \$0CC : \$11,530TC : \$11,530CUM : DC : \$0CC : \$115,330TC : \$115,330ACTIVITY AT REPORT TIME : SERVICE WELL

DAILY DETAILS : 12 hrs TIH with 407 jts 2-7/8" tbg, 4-3/8" bit and 5-1/2" scraper. Tag fill @ 12,410' (Perf 12,267-12,370'). TOH with tbg. Leave kill string in hole. Service well. SDFN.

REPORT DATE : 07/12/1999 MD : 0TVD : 0

DAYS :

MW :

VISC :

DAILY : DC : \$0CC : \$2,660TC : \$2,660CUM : DC : \$0CC : \$117,990TC : \$117,990ACTIVITY AT REPORT TIME : TIH

DAILY DETAILS : 14 hrs TIH with mud anchor, perf sub, seat nipple, 10 jts 2-7/8" tbg, 5-1/2 x 2-7/8" TAC, 373 jts 2-7/8" tbg. Attempt to set TAC. Would not set. Circ 150 bbls to wash trash away from TAC. TAC would not set. TOH with Tbg assembly. PU Baker 5-1/2 x 2-7/8" TAC. TIH with kill string. Secure well. SDFN.

REPORT DATE : 07/13/1999 MD : 0TVD : 0

DAYS :

MW :

VISC :

DAILY : DC : \$0CC : \$4,960TC : \$4,960CUM : DC : \$0CC : \$122,950TC : \$122,950ACTIVITY AT REPORT TIME : TIH

DAILY DETAILS : 14 hrs TIH with 2-7/8" tbg. Set Baker TAC at 3000'. Pull 7000# and release. TIH with tbg to 8000'. Set Baker TAC and pull 7000#. Release and TIH with total 373 jts 2-7/8" tbg. Attempt to set TAC. TAC would not set. Suspect paraffin. Circ with 220 gals zylene, 150 bbls of hot oil and 200 bbls produced water. Attempt to set TAC. TAC would not set. Will TOH with tbg and anchor in the a.m. Secure well and SDFN.

REPORT DATE : 07/14/1999 MD : 0TVD : 0

DAYS :

MW :

VISC :

DAILY : DC : \$0CC : \$5,478TC : \$5,478CUM : DC : \$0CC : \$128,428TC : \$128,428ACTIVITY AT REPORT TIME : TOH

DAILY DETAILS : 16 hrs TOH with 373 jts 2-7/8" tbg and Baker TAC. Slips on TAC full of paraffin and trash. PU rebuild Baker TAC and TIH with 373 jts 2-7/8" tbg. Set TAC at 17,000# tension. ND BOP, NU wellhead. PU pump and gas anchor, TIH with steel rods. Secure well and SDFN.



WELL CHRONOLOGY REPORT

REPORT DATE : 07/15/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$1,830 TC : \$1,830 CUM : DC : \$0 CC : \$130,258 TC : \$130,258

ACTIVITY AT REPORT TIME : TIH WITH FIBERGLASS RODS

DAILY DETAILS : 3 hrs TIH with fiberglass rods, space pump, hang on rods, start pumping unit 4:00 p.m.

TBG DETAIL:

371 JTS 2-7/8" TBG,
 TAC
 12 JTS 2-7/8" TBG
 2" SN
 PERF SUB
 MA&BP

ROD DETAIL:

1 1.25 X 18 FIBERGLASS PONY
 1 1.25 X 9 FIBERGLASS PONY
 152 1.25 X 37.5 FIBERGLASS RODS
 82 - 1" RODS - STEEL
 120 7/8" RODS - STEEL
 40 3/4" RODS STEEL
 9 - 1" RODS - STEEL
 1 - 1" 26K SHEAR TOOL
 1 20-125 RHBC, 24-6-3-1 PUMP
 1 -1-1/2 X 8' GAS ANCHOR

REPORT DATE : 07/16/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$130,258 TC : \$130,258

ACTIVITY AT REPORT TIME : PUMPING

DAILY DETAILS : 15 hrs pump, 7 MCF, 36 BO, 180 FTP, 30 CP, 149 BLW, 149 cum BLW, 171 BLWTR.

REPORT DATE : 07/17/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$130,258 TC : \$130,258

ACTIVITY AT REPORT TIME : PUMPING

DAILY DETAILS : 24 hrs pump, 75 MCF, 117 BO, 9.5 x 120" SPM, 130 FTP, 50 CP, 174 BLW, 323 cum BLW.

REPORT DATE : 07/18/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$130,258 TC : \$130,258

ACTIVITY AT REPORT TIME : PUMPING

DAILY DETAILS : 24 hrs pump, 131 MCF, 103 BO, 9.5 x 120" SPM, 120 FTP, 50 CP, 131 BW.

REPORT DATE : 07/19/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$130,258 TC : \$130,258

ACTIVITY AT REPORT TIME : PUMPING

DAILY DETAILS : 24 hrs pump, 132 MCF, 106 BO, 9.5 x 120" SPM, 130 FTP, 50 CP, 108 BW.

REPORT DATE : 07/20/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$130,258 TC : \$130,258

ACTIVITY AT REPORT TIME : PUMPING

DAILY DETAILS : 24 hrs pumping 135 MCF, 110 BO, 95 x 120" SPM, 130 FTP, 60 CP, 56 BLW.

REPORT DATE : 07/21/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$130,258 TC : \$130,258

ACTIVITY AT REPORT TIME : PUMPING

DAILY DETAILS : 24 hrs pump, 122 MCF, 92 BO, 9.5 x 120" SPM, 200 FTP, 190 CP, 37 BW.



WELL CHRONOLOGY REPORT

REPORT DATE : 07/22/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : CC : TC : CUM : DC : \$0 CC : \$130,258 TC : \$130,258
 ACTIVITY AT REPORT TIME : PUMPING
 DAILY DETAILS : 24 hrs flow, 135 MCF, 100 BO, 9.5 X 120 SPM, 170 FTP, 180 CP, 46 BLW.

REPORT DATE : 07/23/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : CC : TC : CUM : DC : \$0 CC : \$130,258 TC : \$130,258
 ACTIVITY AT REPORT TIME : FLOWING
 DAILY DETAILS : 24 hrs flowing, 132 MCF, 106 BO, 9.5 X 120 SPM, 170 FTP, 180 CP, 34 BLW.

REPORT DATE : 07/24/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : CC : TC : CUM : DC : \$0 CC : \$130,258 TC : \$130,258
 ACTIVITY AT REPORT TIME : FLOWING
 DAILY DETAILS : 24 hrs flowing, 137 MCF, 98 BO, 9.5 X 120 SPM, 190 FTP, 180 CP, 39 BLW.

REPORT DATE : 07/25/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : CC : TC : CUM : DC : \$0 CC : \$130,258 TC : \$130,258
 ACTIVITY AT REPORT TIME : FLOWING
 DAILY DETAILS : 24 hrs flow, 133 MCF, 89 BO, 9.5 X 120 SPM, 140 FTP, 180 CP, 25 BLW. FINAL REPORT.

REPORT DATE : 08/05/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : CC : TC : CUM : DC : \$0 CC : \$130,258 TC : \$130,258
 ACTIVITY AT REPORT TIME : FINAL REPORT
 DAILY DETAILS : BEFORE PU: 17 BOPD, 21 MCFD, 0 BWPD
 AFTER PU: 110 BOPD, 135 MCFD, 56 BWPD
 PRODUCING FORMATION: BONE SPRINGS
 ESTIMATED TOTAL COST: \$141,000
 AFE TOTAL COST: \$147,600
 FINAL REPORT

REPORT DATE : 10/14/1999 MD : 0 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$3,168 TC : \$3,168 CUM : DC : \$0 CC : \$133,426 TC : \$133,426
 ACTIVITY AT REPORT TIME :
 DAILY DETAILS : MIRU Sierra WS and Key hot oil unit. Kill well. Changed polish rod and liner. Bled casing, changed top jt of
 tbg repaired all nipples on well head. Left well ready to pump. Release Sierra.

12. Production Price Wokovers

PROD. AFTER WORKDUEK

