

STATE OF NEW MEXICO - TAXATION AND REVENUE DEPARTMENT

WELL WORKOVER PROJECT
APPLICATION AND REPORTING INSTRUCTIONS
(FORM RPD-41171)

Name of Individual, Firm or Organization Enron Oil & Gas Company		Diamond 18 Feb 94 26190	
Contact Richard King	OGRID Number (for Tax Filer) 7377		Telephone Number (713) 853-5041
Mailing Address P.O. Box 4362			
City Houston	State TX	Zip Code 77210-4362	
Check one: <input checked="" type="checkbox"/> Well Operator <input type="checkbox"/> Working Interest Owner <input type="checkbox"/> Purchaser			

PUN

POOL NAME

API NUMBER

PRODUCT KIND

(PLEASE CHECK ALL THAT APPLY)

1047732
Bone Spring
30 025 32882
<input checked="" type="checkbox"/> NATURAL GAS <input checked="" type="checkbox"/> OIL

PLEASE ATTACH A COPY OF THE OIL CONSERVATION DIVISION'S APPLICATION FOR QUALIFICATION OF WELL WORKOVER PROJECT AND CERTIFICATION OF APPROVAL.

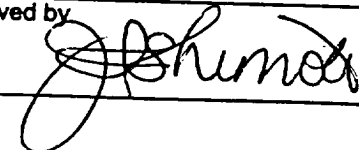
FOR DEPARTMENT USE ONLY

CERTIFICATION OF APPROVAL TO USE WELL WORKOVER INCENTIVE TAX RATE

The New Mexico Taxation and Revenue Department is approving the use of the reduced severance tax rate for the above well completion based on the information that you have provided. This Department reserves the right to determine compliance with the provisions of the Natural Gas and Crude Oil Production Incentive Act.

Approval for use of the reduced severance tax rate begins with sales month 11/96.

Please use Special Tax Rate Code 04 on your Form(s) OGT-2 as it applies to the specific well completion and Production Unit Number listed above.

Approved by 	Date 7-28-97
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District I - (505) 393-6161
P.O. Box 1980
Albuquerque, NM 88241-1980
District II - (505) 748-1283
1 S. First
Albuquerque, NM 88210
District III - (505) 334-6178
100 Rio Brazos Road
Albuquerque, NM 87410
District IV

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
Originated 11/1/92

Submit Original
Plus 2 Copies
to appropriate
District Office.

03/15/99-AMENDED PRODUCTION FORECAST

H-0312 3/18/99

APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

- I. Operator: Enron Oil & Gas Company OGRID #: 7377
Address: P. O. Box 2267, Midland, Texas 79702
Contact Party: Betty Gildon Phone: 915/686-3714
- II. Name of Well: Diamond 18 Federal #4 API #: 30 025 32882
Location of Well: Unit Letter A, 510 Feet from the north line and 660 feet from the east line,
Section 18, Township 25S, Range 34E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 10-25-96
Date Workover Procedures were Completed: 10-25-96
- IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.
Installed tubing
- V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
- VI. Pool(s) on which Production Projection is based: Red Hills Bone Spring

VII. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)

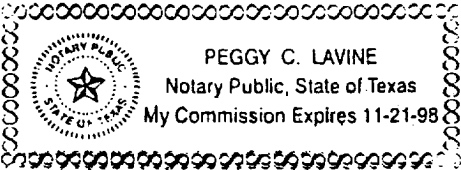
Betty Gildon being first duly sworn, upon oath states:

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 which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Betty Gildon
(Name)

Betty Gildon, Regulatory Analyst
(Title)

SUBSCRIBED AND SWORN TO before me this 16th day of June, 1997.



My Commission expires: _____

Peggy C. Lavine
Notary Public

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 10-25-96, 19__.

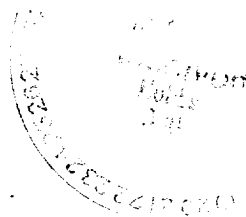
Orig. Signed by
Paul Kautz
Geologist

District Supervisor, District 1
Oil Conservation Division

Date: 7/7/97

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____



Diamond 18 Fed. No. 4

REVISED 03/15/99

Production Projection Before Workover

Projected Rate at WO on 10/96

Decline(exp)

Oil 1700 BOPM

63 %/yr

Gas 2600 mcf/mo

55 %/yr

Date	Oil BOPM	Gas MCF/Mo
Oct-96	1700.0	2600.0
Nov-96	1613.1	2483.5
Dec-96	1530.6	2372.3
Jan-97	1452.3	2266.0
Feb-97	1378.0	2164.5
Mar-97	1307.5	2067.5
Apr-97	1240.6	1974.9
May-97	1177.2	1886.4
Jun-97	1117.0	1801.9
Jul-97	1059.9	1721.2
Aug-97	1005.6	1644.1
Sep-97	954.2	1570.4
Oct-97	905.4	1500.1
Nov-97	859.1	1432.9
Dec-97	815.2	1368.7
Jan-98	773.5	1307.4
Feb-98	733.9	1248.8
Mar-98	696.4	1192.8
Apr-98	660.8	1139.4
May-98	627.0	1088.4
Jun-98	594.9	1039.6
Jul-98	564.5	993.0
Aug-98	535.6	948.5
Sep-98	508.2	906.1
Oct-98	482.2	865.5
Nov-98	457.5	826.7
Dec-98	434.1	789.7
Jan-99	411.9	754.3
Feb-99	390.9	720.5
Mar-99	370.9	688.2
Apr-99	351.9	657.4
May-99	333.9	627.9
Jun-99	316.8	599.8
Jul-99	300.6	572.9
Aug-99	285.3	547.3
Sep-99	270.7	522.7
Oct-99	256.8	499.3
Nov-99	243.7	477.0
Dec-99	231.2	455.6
Jan-00	219.4	435.2
Feb-00	208.2	415.7
Mar-00	197.5	397.1
Apr-00	187.4	379.3

Date	Oil BOPM	Gas MCF/Mo
May-00	177.8	362.3
Jun-00	168.7	346.1
Jul-00	160.1	330.6
Aug-00	151.9	315.7
Sep-00	144.2	301.6
Oct-00	136.8	288.1
Nov-00	129.8	275.2
Dec-00	123.1	262.9
Jan-01	116.8	251.1
Feb-01	110.9	239.8
Mar-01	105.2	229.1
Apr-01	99.8	218.8
May-01	94.7	209.0
Jun-01	89.9	199.7
Jul-01	85.3	190.7
Aug-01	80.9	182.2
Sep-01	76.8	174.0
Oct-01	72.8	166.2
Nov-01	69.1	158.8
Dec-01	65.6	151.7
Jan-02	62.2	144.9
Feb-02	59.0	138.4
Mar-02	56.0	132.2
Apr-02	53.2	126.3
May-02	50.4	120.6
Jun-02	47.9	115.2
Jul-02	45.4	110.0
Aug-02	43.1	105.1
Sep-02	40.9	100.4
Oct-02	38.8	95.9
Nov-02	36.8	91.6
Dec-02	34.9	87.5
Jan-03	33.1	83.6
Feb-03	31.4	79.8
Mar-03	29.8	76.3
Apr-03	28.3	72.8
May-03	26.9	69.6
Jun-03	25.5	66.5
Jul-03	24.2	63.5
Aug-03	23.0	60.6
Sep-03	21.8	57.9
Oct-03	20.7	55.3
Nov-03	19.6	52.8

Date	Oil BOPM	Gas MCF/Mo
Dec-03	18.6	50.5
Jan-04	17.7	48.2
Feb-04	16.7	46.1
Mar-04	15.9	44.0
Apr-04	15.1	42.0
May-04	14.3	40.1
Jun-04	13.6	38.3
Jul-04	12.9	36.6
Aug-04	12.2	35.0
Sep-04	11.6	33.4
Oct-04	11.0	31.9
Nov-04	10.4	30.5
Dec-04	9.9	29.1
Jan-05	9.4	27.8
Feb-05	8.9	26.6
Mar-05	8.5	25.4
Apr-05	8.0	24.2
May-05	7.6	23.2
Jun-05	7.2	22.1
Jul-05	6.9	21.1
Aug-05	6.5	20.2
Sep-05	6.2	19.3
Oct-05	5.9	18.4
Nov-05	5.6	17.6
Dec-05	5.3	16.8
Jan-06	5.0	16.1
Feb-06	4.8	15.3
Mar-06	4.5	14.6
Apr-06	4.3	14.0
May-06	4.1	13.4
Jun-06	3.9	12.8
Jul-06	3.7	12.2
Aug-06	3.5	11.6
Sep-06	3.3	11.1
Oct-06	3.1	10.6
Nov-06	3.0	10.1
Dec-06	2.8	9.7
Jan-07	2.7	9.3
Feb-07	2.5	8.8
Mar-07	2.4	8.4
Apr-07	2.3	8.1
May-07	2.2	7.7
Jun-07	2.1	7.4

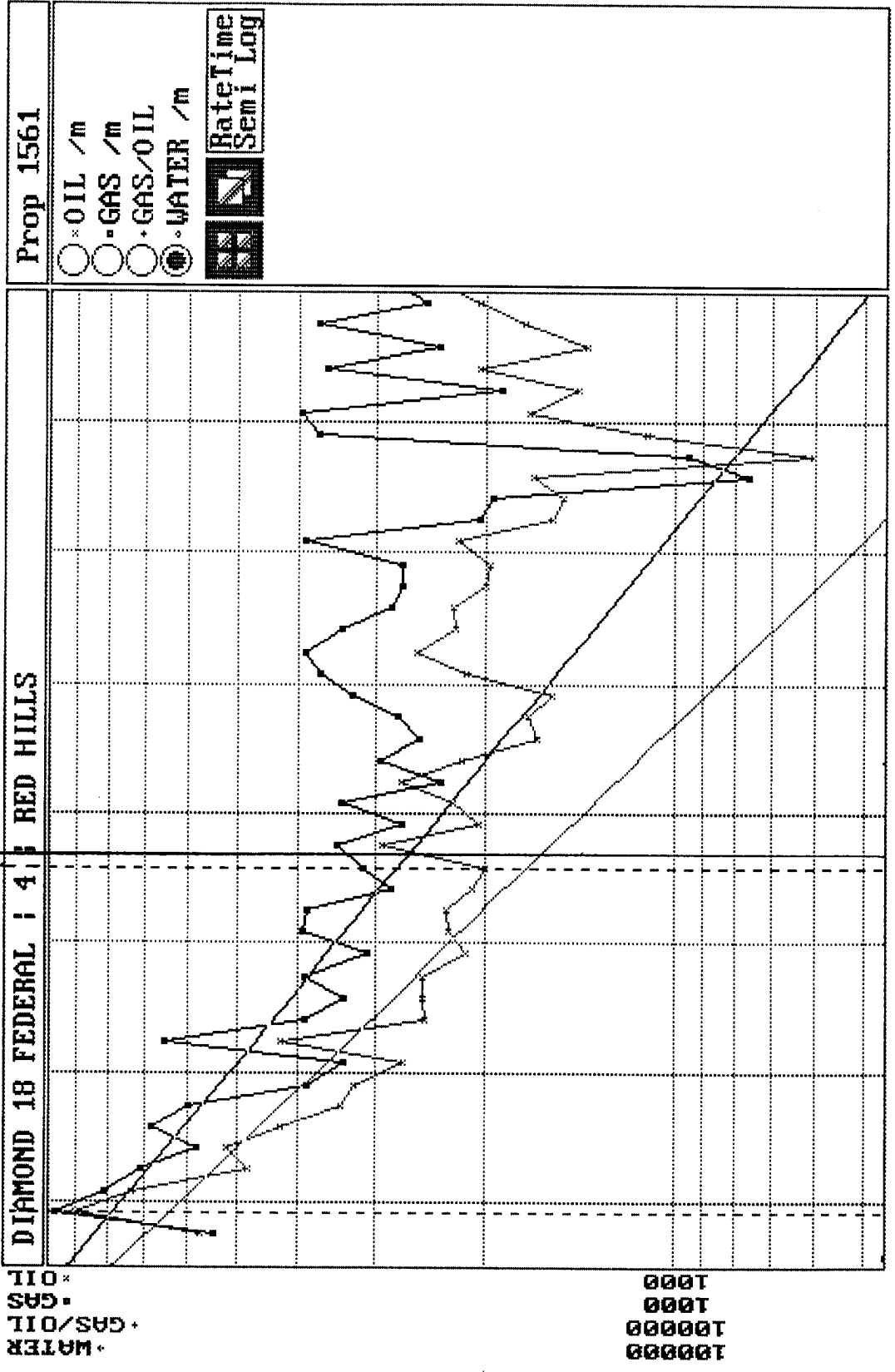
Diamond 18 Fed. No. 4

Production Projection Before Workover Continued

Date	Oil BOPM	Gas MCF/Mo
Jul-07	1.9	7.0
Aug-07	1.8	6.7
Sep-07	1.8	6.4
Oct-07	1.7	6.1
Nov-07	1.6	5.9
Dec-07	1.5	5.6
Jan-08	1.4	5.3
Feb-08	1.3	5.1
Mar-08	1.3	4.9
Apr-08	1.2	4.7
May-08	1.2	4.4
Jun-08	1.1	4.2
Jul-08	1.0	4.1
Aug-08	1.0	3.9
Sep-08	0.0	3.7
Oct-08	0.0	3.5
Nov-08	0.0	3.4
Dec-08	0.0	3.2
Jan-09	0.0	3.1
Feb-09	0.0	2.9
Mar-09	0.0	2.8
Apr-09	0.0	2.7
May-09	0.0	2.6
Jun-09	0.0	2.5
Jul-09	0.0	2.3
Aug-09	0.0	2.2
Sep-09	0.0	2.1
Oct-09	0.0	2.0
Nov-09	0.0	1.9
Dec-09	0.0	1.9
Jan-10	0.0	1.8
Feb-10	0.0	1.7
Mar-10	0.0	1.6
Apr-10	0.0	1.6
May-10	0.0	1.5
Jun-10	0.0	1.4
Jul-10	0.0	1.4
Aug-10	0.0	1.3
Sep-10	0.0	1.2
Oct-10	0.0	1.2
Nov-10	0.0	1.1
Dec-10	0.0	1.1
Jan-11	0.0	1.0
Feb-11	0.0	1.0
Mar-11	0.0	0.0

Base Prod. Proj. Data

Workover



Major = OIL

DIAMOND 18 FEDERAL NO. 4
510' FNL & 660' FEL
Sec 18-25S-34E
LEA Co., NM
Spud Date: 04/19/95
Nearest Lease Line: 510'

ENRON OIL & GAS COMPANY
DEV W/O: 12,600' BONE SPRING
RED HILLS Field
EOG%: 100.0000% WI 82.5000% NRI
AFE No.: 10-1135
DHC: 0; CWC: 64,000

10/25/96 Prepare to install tbg.

6 hrs set pipe racks. Move BOP, csg scraper, bit and frac tank to location. Unload tbg unto racks. Remove thread protectors and tally pipe. RU Rapid transport Hot oiler. Pump 75 bbls 280 deg hot oil down csg. ND Tree and flowline. NU BOP. 6.5 hrs TIH with 4-3/4" bit, 5-1/2" csg scraper, & 388 jt 2-7/8" 6.5# N-80 8rd tbg. Tag fill @ 12,274'. Top perms are @ 12,258'. Install TIW valve and close csg. SDFN.

DWC \$6,420. CWC \$6,420.

10/26/96 5-1/2 hrs RCTL - bled well down. TOH with 388 jts 2-7/8" 6.5# N-80 8rd tbg, 5-1/2" csg scraper & 4-3/4 bit. 5-1/2 hrs TIH with MA&BP, perf sub, SN, 8 jts 2-7/8" 6.5 N-80 8rd tbg, TAC, & 375 jts 2-7/8" 6.5 N-80 8rd tbg. ND BOP set TAC with 14 pts tension. NU tree and flowline. Btm of tbg @ 12,179.65 with KB. SN @ 12,141.65 with KB. Open well to prod facility. Will not flow. Will swab back. SDFN. DWC \$46,125. CWC \$52,545.

10/27/96 11 hrs RCTL - well not flowing. RU swab equipment. Start swabbing. Starting FL 1,500'. made a total of 12 runs. Rec 72 bbls fluid. Flow well to frac tank for approx 30 min. Switch to prod fac. Tbg 150 psi, csg N/A. Clean location. RDMO. DWC \$2,450. CWC \$54,995.