

STATE OF NEW MEXICO - TAXATION AND REVENUE DEPARTMENT

WELL WORKOVER PROJECT
APPLICATION AND REPORTING INSTRUCTIONS

(FORM RPD-41171)

12/21/96 6 Feb 93 25233

Name of Individual, Firm or Organization Enron Oil & Gas Company		OGRID Number (for Tax Filer) 7377	
Contact Richard King		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)

1047740	
Bone Spring	
30 025	32680
<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 **10/96**.

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 J. Shuman	Date 7-28-97
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New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Submit Original
Plus 2 Copies
to appropriate
District Office.

03/15/99-AMENDED PRODUCTION FORECAST

H-0316³/₈

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: Half 6 Federal #3 API #: 30025 32680
Location of Well: Unit Letter M, 510 Feet from the south line and 660 feet from the west line,
Section 6, Township 25S, Range 34E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 9-24-96
Date Workover Procedures were Completed: 9-24-96
- IV. Attach a description of the Workover Procedures undertaken to increase the projection 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)

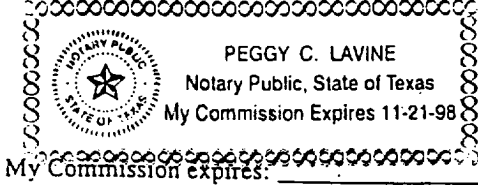
Betty Gildon being first duly sworn, upon oath states:

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.

(Name)

Betty Gildon, Regulatory Analyst
(Title)

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



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 9-24-96, 19 .

Paul G. Hantz
District Supervisor, District 4
Oil Conservation Division

Date: 7/7/97

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

DATE: _____

Revised Paul G. Hantz
3/25/99

Half 6 Fed. No. 3

REVISED 03/15/99

Production Projection Before Workover

Base Rate at WO on 09/96

Decline(exp)

Oil 2650 BOPM

54 %/yr

Gas 2850 mcf/mo

61 %/yr

Date	Oil BOPM	Gas MCF/Mo
Sep-96	2650.0	2850.0
Oct-96	2533.4	2708.7
Nov-96	2421.9	2574.5
Dec-96	2315.3	2446.9
Jan-97	2213.5	2325.6
Feb-97	2116.1	2210.4
Mar-97	2023.0	2100.8
Apr-97	1933.9	1996.7
May-97	1848.8	1897.7
Jun-97	1767.5	1803.7
Jul-97	1689.7	1714.3
Aug-97	1615.4	1629.3
Sep-97	1544.3	1548.5
Oct-97	1476.3	1471.8
Nov-97	1411.4	1398.9
Dec-97	1349.3	1329.5
Jan-98	1289.9	1263.6
Feb-98	1233.1	1201.0
Mar-98	1178.9	1141.5
Apr-98	1127.0	1084.9
May-98	1077.4	1031.1
Jun-98	1030.0	980.0
Jul-98	984.7	931.4
Aug-98	941.3	885.3
Sep-98	899.9	841.4
Oct-98	860.3	799.7
Nov-98	822.5	760.1
Dec-98	786.3	722.4
Jan-99	751.7	686.6
Feb-99	718.6	652.6
Mar-99	687.0	620.2
Apr-99	656.8	589.5
May-99	627.9	560.3
Jun-99	600.2	532.5
Jul-99	573.8	506.1
Aug-99	548.6	481.0
Sep-99	524.4	457.2
Oct-99	501.4	434.5
Nov-99	479.3	413.0
Dec-99	458.2	392.5
Jan-00	438.0	373.1
Feb-00	418.8	354.6
Mar-00	400.3	337.0

Date	Oil BOPM	Gas MCF/Mo
Apr-00	382.7	320.3
May-00	365.9	304.4
Jun-00	349.8	289.3
Jul-00	334.4	275.0
Aug-00	319.7	261.4
Sep-00	305.6	248.4
Oct-00	292.2	236.1
Nov-00	279.3	224.4
Dec-00	267.0	213.3
Jan-01	255.3	202.7
Feb-01	244.0	192.7
Mar-01	233.3	183.1
Apr-01	223.0	174.0
May-01	213.2	165.4
Jun-01	203.8	157.2
Jul-01	194.9	149.4
Aug-01	186.3	142.0
Sep-01	178.1	135.0
Oct-01	170.3	128.3
Nov-01	162.8	121.9
Dec-01	155.6	115.9
Jan-02	148.8	110.1
Feb-02	142.2	104.7
Mar-02	136.0	99.5
Apr-02	130.0	94.6
May-02	124.3	89.9
Jun-02	118.8	85.4
Jul-02	113.6	81.2
Aug-02	108.6	77.2
Sep-02	103.8	73.3
Oct-02	99.2	69.7
Nov-02	94.9	66.2
Dec-02	90.7	63.0
Jan-03	86.7	59.8
Feb-03	82.9	56.9
Mar-03	79.2	54.1
Apr-03	75.7	51.4
May-03	72.4	48.8
Jun-03	69.2	46.4
Jul-03	66.2	44.1
Aug-03	63.3	41.9
Sep-03	60.5	39.8
Oct-03	57.8	37.9

Date	Oil BOPM	Gas MCF/Mo
Nov-03	55.3	36.0
Dec-03	52.8	34.2
Jan-04	50.5	32.5
Feb-04	48.3	30.9
Mar-04	46.2	29.4
Apr-04	44.1	27.9
May-04	42.2	26.5
Jun-04	40.3	25.2
Jul-04	38.6	24.0
Aug-04	36.9	22.8
Sep-04	35.2	21.7
Oct-04	33.7	20.6
Nov-04	32.2	19.6
Dec-04	30.8	18.6
Jan-05	29.4	17.7
Feb-05	28.1	16.8
Mar-05	26.9	16.0
Apr-05	25.7	15.2
May-05	24.6	14.4
Jun-05	23.5	13.7
Jul-05	22.5	13.0
Aug-05	21.5	12.4
Sep-05	20.5	11.8
Oct-05	19.6	11.2
Nov-05	18.8	10.6
Dec-05	17.9	10.1
Jan-06	17.2	9.6
Feb-06	16.4	9.1
Mar-06	15.7	8.7
Apr-06	15.0	8.2
May-06	14.3	7.8
Jun-06	13.7	7.4
Jul-06	13.1	7.1
Aug-06	12.5	6.7
Sep-06	12.0	6.4
Oct-06	11.4	6.1
Nov-06	10.9	5.8
Dec-06	10.5	5.5
Jan-07	10.0	5.2
Feb-07	9.6	5.0
Mar-07	9.1	4.7
Apr-07	8.7	4.5
May-07	8.4	4.3

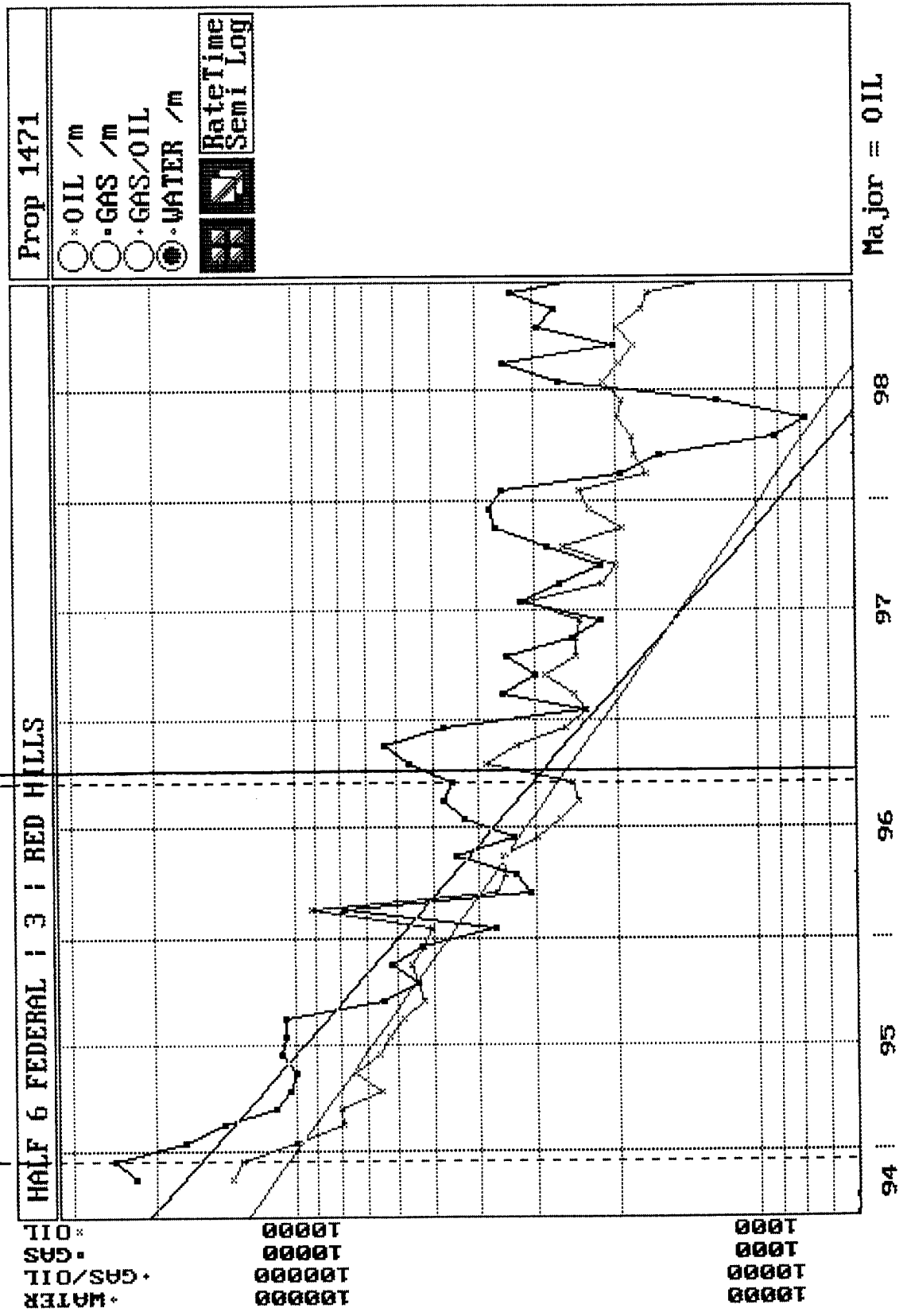
Half 6 Fed. No. 3

Production Projection Before Workover Continued

Date	Oil BOPM	Gas MCF/Mo
Jun-07	8.0	4.0
Jul-07	7.6	3.8
Aug-07	7.3	3.7
Sep-07	7.0	3.5
Oct-07	6.7	3.3
Nov-07	6.4	3.1
Dec-07	6.1	3.0
Jan-08	5.8	2.8
Feb-08	5.6	2.7
Mar-08	5.3	2.6
Apr-08	5.1	2.4
May-08	4.9	2.3
Jun-08	4.7	2.2
Jul-08	4.4	2.1
Aug-08	4.3	2.0
Sep-08	4.1	1.9
Oct-08	3.9	1.8
Nov-08	3.7	1.7
Dec-08	3.6	1.6
Jan-09	3.4	1.5
Feb-09	3.2	1.5
Mar-09	3.1	1.4
Apr-09	3.0	1.3
May-09	2.8	1.3
Jun-09	2.7	1.2
Jul-09	2.6	1.1
Aug-09	2.5	1.1
Sep-09	2.4	1.0
Oct-09	2.3	1.0
Nov-09	2.2	0.0
Dec-09	2.1	0.0
Jan-10	2.0	0.0
Feb-10	1.9	0.0
Mar-10	1.8	0.0
Apr-10	1.7	0.0
May-10	1.7	0.0
Jun-10	1.6	0.0
Jul-10	1.5	0.0
Aug-10	1.4	0.0

Date	Oil BOPM	Gas MCF/Mo
Sep-10	1.4	0.0
Oct-10	1.3	0.0
Nov-10	1.3	0.0
Dec-10	1.2	0.0
Jan-11	1.2	0.0
Feb-11	1.1	0.0
Mar-11	1.1	0.0
Apr-11	1.0	0.0
May-11	1.0	0.0
Jun-11	0.0	0.0

Base Prod. Proj. Data Workover



HALF 6 FEDERAL NO. 3
510' FSL & 660' FWL
Sec 6, T25S, R34E
LEA Co., NM
Spud Date: 10/23/94

ENRON OIL & GAS COMPANY
DEV W/O: 12,600' BONE SPRING
RED HILLS Field
EOG%: 95.3183% WI 77.4653% NRI
AFE No.: 10-1115
DHC: 0; CWC: 64,000

Nearest Lease Line: 510'

09/25/96 Install approximately 12,500' 2-7/8" N-80 EUE 8rd tbg.

5 hrs RCTL. SIW. ND tree equipment. RU Rapid transport hot oiler. Pump down tree 110 bbls 285 deg hot oil to clean out paraffin. RD Hot oiler. ND Wellhead. NU BOP. 1 hr tally rest of tbg and remove thread protectors. 7 hrs TIH with 4-3/4" bit, 5-1/2" csg scraper, & 381 jts 2-7/8" 6.50# N-80 EUE 8rd tbg to 11,773'. Install tbg valve. SI valve. SDFN.

DWC \$4,195. CWC \$4,195.

09/26/96 3 hrs RCTL, well had pressure. Bled well down. Finish TIH With 17 jts 2-7/8" 6.50# N-80 EUE 8rd tbg. Tag fill @ 12,278'. RU kill truck for reverse circulation with produced water. 5 hrs start circ down csg and up tbg to frac tank. Approx 285 bbls produced water were used to load up hole. Continue reverse circ. Cleaned out approx 84' to 12,362' TD. Had to rotate bit in order to break up frac sand. Circulated hole clean with approximately 650 bbls total. 4 hrs TOH with 400 jts 2-7/8" tbg, 5-1/2" csg scraper & 4-3/4" bit, TD @ 12,362'. Bone Spring perfs 12,274'-326'. 2 hrs TIH with MA with BP, perf sub, SN, 8 jts tbg, TAC & 100 jts 2-7/8" N-80 EUE 8rd tbg. SDFN. DWC \$3,296. CWC \$7,491.

09/27/96 6 hrs RCTL - bled well down. Finish TIH with 286 jts 2-7/8" 6.50# N-80 EUE 8rd tbg to 12,231'. SN @ 12,194'. Perf sub @ 12,199'. ND BOP, set TAC with 13 pts tension. NU tree & flowline. RD kill truck. RDMO Yale E. Key well service. Clean location. Prepare to MI ram swab unit. DWC \$45,175. CWC \$52,666.

09/28/96 11 hrs RU Ram swab unit. Well dead. Start swabbing on well. Starting FL @ 11,300'. Made 20 runs. Recovered 80 bbls water. Last FL 5,500'. SWI. Tbg 0, csg 120. DWC \$1,130. CWC \$53,796.

09/29/96 14 hrs ran swab unit to location. Tbg 200, csg 410. Open well to frac tank. Well died. Start swabbing. Starting FL 4,000'. Made 30 runs. Rec 120 bbls water. Total water rec 200 bbl. Ending Fl 5500'. Showed trace of oil & gas on last 2 runs. Slight blow on tbg. Csg 400 psig. SIW. SDFN. DWC \$1,180. CWC \$54,976.

10/01/96 13 hrs swab unit crew to location. Tbg 600 psi, csg 850 psi. Flow well to frac tank. Flowed 7 bbls fluid. Well died. Start swabbing, startFL 3,500'. Made 30 runs. Rec 133 bbls total fluid. BW - 98, TBWR - 298, BO - 35. Ending FL 6,000'. Slight gas on tbg. Csg 650 psi. SDFN. DWC \$1,104. CWC \$56,080.