

District I - (505) 393-6161
P. O. Box 1980
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

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-1
Originated 11/1

Submit Orig
Plus 2 Co
to appropri
District O

AMENDED TO CORRECT POOL NAME & LOCATION

H-0075 7/16

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 7 Federal Com. #1 API #: 30 025 31638
Location of Well: Unit Letter B, 660 Feet from the north line and 1980 feet from the east line,
Section 7, Township 25S, Range 34E, NMPM, Lea County
- III. Date Workover Procedures Commenced: June 27, 1995
Date Workover Procedures were Completed: July 17, 1995
- IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
Attached
- 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.
Attached
- VI. Pool(s) on which Production Projection is based:

Morrow

VII. AFFIDAVIT:

State of Texas)
County of Midland) ss.

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)

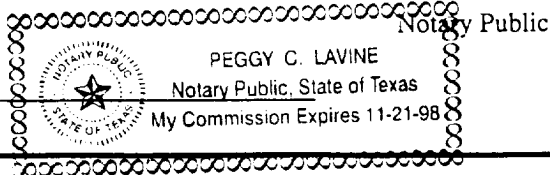
Regulatory Analyst

(Title)

SUBSCRIBED AND SWORN TO before me this 6th day of August, 1996

Peggy C. Lavine

My Commission expires:



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 7/17, 1995

[Signature]
District Supervisor, District + Geologist
Oil Conservation Division

Date: 8/14/96

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

DATE: _____



DIAMOND 7 FEDERAL COM NO. 1
660' FSL & 1,980' FEL
Sec 7, T25S, R34E
LEA Co., NM
Spud Date: 07/18/92

ENRON OIL & GAS COMPANY
DEV W/O: 12,500'
RED HILLS Field
EOG%: 95.3183% WI 80.4583% NRI
AFE No.: 10-0830
DHC: 0; CWC: 353,800

06/27/95 8 hrs installed 3-1/16" x 10,000# coiled tubing head w/3" x 10,000 outlet and 1-3/4" slips, following ND top tree valve. Ran 1-3/4" coiled tubing w/pump out plug to 11,300'. Coiled tbgr, started taking weight @ 11,300', stopped at 11,532' w/14,000# of set down weight unable to pass a depth of 11,532'. TOH w/coiled tbgr, pumped dwn 20+ bbls of wtr. Will obtain combination jet tool and back pressure assembly (this tool will be avail sometime Monday 6-27-95). DWC \$3,645. CWC \$13,556.

06/28/95 7 hrs RU jetting tool w/check valve, TIH w/Jetting tool on 1-3/4" coiled tubing, Tagged fluid @ 7500', jetting down w/N2 foam CO2 fluid, tagged slight obstruction @ 11,400', (less than 2,000 lbs of weight). TIH to 15,305', hung off coiled tbgr @ 15,305' jetted hole dry, RU wellhead and pumped off blast nozzle & check valve by dropping ball and disp w/N2. Coiled tubing weight 35,000 lbs on up pull, 25,000 lb on down travel, landed in slips and tightened down packing screws. Slight flow on tbgr (3-1/2") coiled tbgr, (1-3/4") annulus, left open to pit, slight blow. To tie in coiled tbgr to flowline today 6/28/95. NOTE: main valve on wellhead leaking. Well contained by tree-cap and wing valve. DWC \$83,417. CWC \$96,973.

07/01/95 1 hr Shut N2 down & observe flow, heavy mist, 5 hrs well quit lifting wtr, pump N2 dwn tbgr & up csg @ 1,250 SCFM 800 psi, well unloaded wtr, reduce rate to 650 SCFM 300 psi, heavy mist @ report time, ordered another transport of N2. Total wtr rec 35 bbls, total N2 used approx 620,000 SCF, getting no help from formation gas. DWC \$16,530. CWC \$113,503.

07/02/95 2-1/2 hrs pump N2 down tbgr & up csg @ 650 SCFM 300 psi, heavy mist, SD HES, ran out of N2, observe flow, 1-1/2 hrs well quit lifting wtr, gas will burn. WO N2 transport, 1 hr RU N2 transport & cooldown N2, 2-1/2 hrs pump N2 dwn tbgr & up csg @ 1,200 SCFM 800 psi, well started unloading wtr, reduce rate to 650 SCFM 200 psi, slight mist, 11-1/2 hrs reverse flow, pump dwn csg & up tbgr @ 600 SCFM 100 psi press up to 550 psi. Unloaded wtr, press down to 300 psi w/heavy mist, out of N2, RD HES, 5 hrs well flowing up tbgr to tank, well quit lifting wtr & has a slight blow, recovered 30 BW/24 hrs. DWC \$16,790. CWC \$130,293.

07/04/95 . CWC \$130,293.

Page 2
DIAMOND 7 FEDERAL COM NO. 1
660' FSL & 1,980' FEL
Sec 7, T25S, R34E
LEA Co., NM
Spud Date: 07/18/92

ENRON OIL & GAS COMPANY
DEV W/O: 12,500'
RED HILLS Field
EOG%: 95.3183% WI 80.4583% NRI
AFE No.: 10-0830
DHC: 0; CWC: 353,800

07/19/95 7/4 - 64/64 chk, 10# coil FTP, 400 annulus, 26 BW.
7/5 - 64/64 chk, 10# coil FTP, 490 annulus, 14 BW.
7/6 - 64/64 chk, 10# coil FTP, 490 annulus, 33 BW.
7/7 - 64/64 chk, 10# coil FTP, 500 annulus, 5 BW.
7/8 - 64/64 chk, 10# coil FTP, 550 annulus, 10 BW.
7/9 - 64/64 chk, 10# coil FTP, 570 annulus, 20 BW.
7/10 - 24 hrs flow, 299 MCF, 64/64 chk, 190 coil tbg, 700 annulus,
9 BW, 184 LP.
7/11 - 24 hrs flow, 304 MCF, 64/64 chk, 210 coil FTP, 720 annulus
9 BW, 184 LP.
7/12 - 24 hrs flow, 313 MCF, 64/64 chk, 210 coil FTP, 710 annulus,
11 BW, 184 LP.
7/13 - 24 hrs flow, 313 MCF, 64/64 chk, 210 coil FTP, 700 annulus,
14 BW, 194 LP.
7/14 - 24 hrs flow, 322 MCF, 64/64 chk, 210 coil FTP, 700 annulus,
6 BW, 205 LP.
7/15 - 24 hrs flow, 318 MCF, 64/64 chk, 200 coil FTP, 700 annulus,
11 BW, 184 LP.
7/16 - 24 hrs flow, 313 MCF, 64/64 chk, 210 coil FTP, 700 annulus,
9 BW, 194 LP.
7/17 - 24 hrs flow, 336 MCF, 64/64 chk, 200 coil FTP, 700 annulus,
9 BW, 173 LP.

FINAL REPORT

CWC \$130,293.

01/09/96 64/65" chk, 1100 annulus 32 MCF inj, 4 hrs inj. Compressor ran 15
hrs - pressured up annulus to 100# - injected for 4 hrs then went
on by-pass. Well did not unload- pressured up coil tbg & annuls to
1100# & shut well in for buildup. CWC \$130,293.
01/10/96 64/64" chk, 965 annulus. CWC \$130,293.
01/11/96 64/64" chk, 965 MCF, 965 annulus. CWC \$130,293.

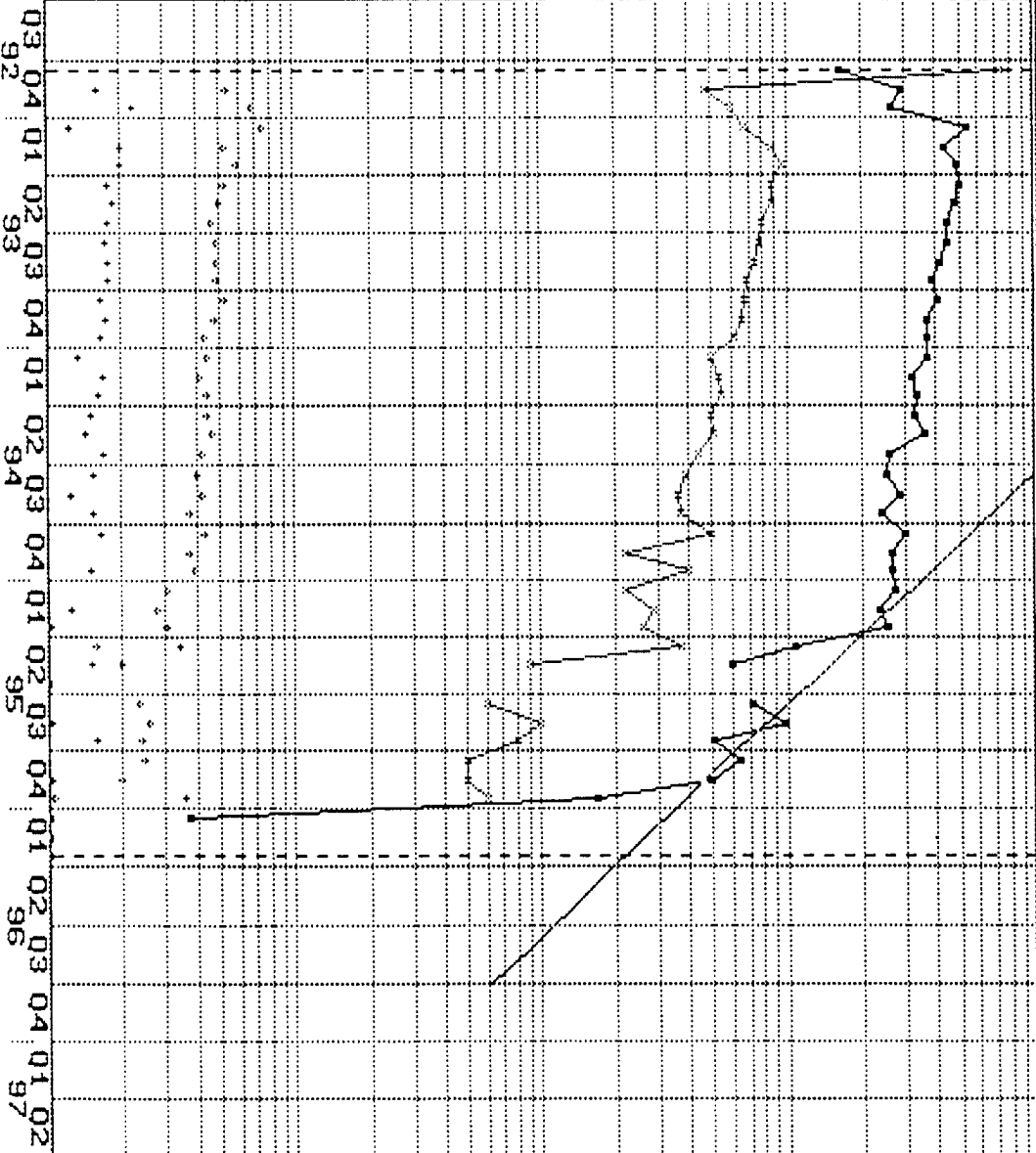
THE OILFIELD WORKSTATION
ENRON OIL & GAS COMPANY
PRODUCTION HISTORY REPORT

PG NO : 1
AS OF : 07/15/96

PROD	DAYS	OIL	SOLD	PROD	GAS	SOLD	INJ	PROD	WAT	INJ	SUPP
MM	T S PM ON	PROD	SOLD	PROD	SOLD	INJ	PROD	WAT	INJ	SUPP	
Area : TGS											
Field : PITCHFORK RANCH											
Well : DIAMOND 7 FED COM #1											
				(30025214161)	Reservoir : MORROW						
					Property : 2141600001						
06/94	PG P FL 30	44.23	0.00	26004.89	25612.79	0.00	424.58	0.00	0.00	0.00	
07/94	PG P FL 31	39.58	0.00	25510.91	25112.17	0.00	405.41	0.00	0.00	0.00	
08/94	PG P FL 31	36.78	179.36	28772.14	28347.76	0.00	422.92	0.00	0.00	0.00	
09/94	PG P FL 30	37.26	0.00	24397.14	24004.52	0.00	376.24	0.00	0.00	0.00	
10/94	PG P FL 31	50.05	0.00	29302.60	28883.37	0.00	431.66	0.00	0.00	0.00	
11/94	PG P FL 30	22.11	0.00	26582.22	25740.69	0.00	379.16	0.00	0.00	0.00	
12/94	PG P FL 31	40.74	0.00	26619.84	25919.16	0.00	393.75	0.00	0.00	0.00	
01/95	PG P FL 31	22.61	179.78	27360.77	26519.70	0.00	303.33	0.00	0.00	0.00	
02/95	PG P FL 28	29.12	0.00	23579.25	22666.28	0.00	274.16	0.00	0.00	0.00	
03/95	PG P FL 31	26.78	0.00	25628.97	24637.42	0.00	306.24	0.00	0.00	0.00	
04/95	PG P FL 30	37.30	0.00	10773.85	10162.00	0.00	157.50	0.00	0.00	0.00	
05/95	PG P FL 30	9.32	0.00	6002.33	5561.00	0.00	201.25	0.00	0.00	0.00	
06/95	PG P FL 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Totals :		395.88	359.14	280534.91	273166.86	0.00	4076.20	0.00	0.00	0.00	

100 1000 10000 100000 WATER
 1 10 100 1000 OIL/GAS
 10 100 1000 10000 GAS
 0.1 1 10 100 OIL

DIAMOND 7 FED 1 1 PITCHFORK RANCH



Prop 445

- OIL /m
- GAS /m
- OIL/GAS
- WATER /m

RateTime
Semi Log

EUR 1,102,902

Cum 1,099,048

Rem 3,853

Rem% 0.3%

Yrs 0.42

Date 6/1/1996

act 0

Qmo 1,198

Q 1336

n 0

De 89.893

Qab 600

GetQual RAY

Major = GAS

CASE: 445 DIAMOND 7 FED 1
 PITCHFORK RANCH
 LEA, NM
 ENRON OIL & GAS CO

DATE: 07/19/96
 TIME: 13:54:18
 PAGE: 1
 MDMaster.DBS

PRODUCTION LEDGER

<u>ACTUAL</u>								<u>WITHOUT WORKOVER</u>	
DATE	OIL, BBL	GAS, MCF	WATER, BBL	GOR, CF/BBL	WATER CUT, %	CUM OIL, BBL	CUM GAS, MCF	FORECAST OIL	FORECAST GAS
PRIOR	0	0	0	0	0.00	0	0	0	0
1/92								0	0
2/92								0	0
3/92								0	0
4/92								0	0
5/92								0	0
6/92								0	0
7/92								0	0
8/92								0	0
9/92								0	0
10/92	737	16382	0	0	0.00	737	16,382	0	0
11/92	47	29511	542	0	0.00	784	45,893	0	0
12/92	60	26586	676	0	0.00	844	72,479	0	0
TOT/92	844	72479	1218	0		844	72,479	0	0
1/93	67	53645	750	0	0.00	911	126,124	0	0
2/93	87	44032	525	0	0.00	998	170,156	0	0
3/93	97	48975	588	0	0.00	1,095	219,131	0	0
4/93	88	50250	524	0	0.00	1,183	269,381	0	0
5/93	88	47864	504	0	0.00	1,271	317,245	0	0
6/93	80	45103	463	0	0.00	1,351	362,348	0	0
7/93	77	45013	490	0	0.00	1,428	407,361	0	0
8/93	74	41763	487	0	0.00	1,502	449,124	0	0
9/93	69	38688	487	0	0.00	1,571	487,812	0	0
10/93	67	40605	522	0	0.00	1,638	528,417	0	0
11/93	65	37376	478	0	0.00	1,703	565,793	0	0
12/93	61	37144	437	0	0.00	1,764	602,937	0	0
TOT/93	920	530458	6255	0		1,764	602,937	0	0
1/94	49	36974	449	0	0.00	1,813	639,911	0	0
2/94	53	31781	417	0	0.00	1,866	671,692	0	0
3/94	54	33977	449	0	0.00	1,920	705,669	0	0
4/94	49	32883	440	0	0.00	1,969	738,552	0	0
5/94	51	36077	463	0	0.00	2,020	774,629	0	0
6/94	44	26004	424	0	0.00	2,064	800,633	0	0
7/94	39	25510	405	0	0.00	2,103	826,143	0	0
8/94	36	28772	422	0	0.00	2,139	854,915	0	0
9/94	37	24397	376	0	0.00	2,176	879,312	0	0
10/94	50	30189	431	0	0.00	2,226	909,501	0	0
11/94	22	26582	379	0	0.00	2,248	936,083	0	0
12/94	40	26619	393	0	0.00	2,288	962,702	0	0
TOT/94	524	359765	5048	0		2,288	962,702	0	0
TOTAL	2288	962702	12521	0		2,288	962,702	0	0

CASE: 445 DIAMOND 7 FED 1
 PITCHFORK RANCH
 LEA, NM
 ENRON OIL & GAS CO

DATE: 07/19/96
 TIME: 13:54:28
 PAGE: 2
 MDMASTER.DBS

PRODUCTION LEDGER

DATE	<u>ACTUAL</u>		WATER, BBL	GOR, CF/BBL	WATER CUT, %			<u>WITHOUT WORKOVER</u>	
	OIL, BBL	GAS, MCF				CUM OIL, BBL	CUM GAS, MCF	FORECAST OIL	FORECAST GAS
PRIOR	2288	962702	12521	0	0.00	2,288	962,702	0	0
1/95	22	27360	303	0	0.00	2,310	990,062	0	0
2/95	29	23579	274	0	0.00	2,339	1,013,641	0	0
3/95	26	25628	306	0	0.00	2,365	1,039,269	0	0
4/95	37	10773	157	0	0.00	2,402	1,050,042	0	0
5/95	9	6002	201	0	0.00	2,411	1,056,044	0	0
6/95	0	0	0	0	0.00	2,411	1,056,044	0	0
7/95	6	7280	236	875657	99.89	2,417	1,063,324	11	10004
8/95	10	9759	256	875657	99.89	2,427	1,073,083	9	8264
9/95	8	5072	242	875657	99.89	2,435	1,078,155	8	6827
10/95	5	6346	247	875657	99.89	2,440	1,084,501	6	5640
11/95	5	4894	201	875657	99.89	2,445	1,089,395	5	4660
12/95	6	1687	105	875657	99.89	2,451	1,091,082	4	3850
TOT/95	163	128380	2528	875657		2,451	1,091,082	45	39245
1/96	0	38	21	875657	99.89	2,451	1,091,120	4	3180
2/96	0	0	0	875657	99.89	2,451	1,091,120	3	2627
3/96	0	0	0	875657	99.89	2,451	1,091,120	2	2171
4/96								2	1793
5/96								2	1481
6/96								1	1224
7/96								1	1011
8/96								1	835
9/96								1	690
10/96								0	0
11/96								0	0
12/96								0	0
TOT/96	0	38	21	875657		2,451	1,091,120	17	15013
TOTAL	2451	1091120	15070	875657		2,451	1,091,120	62	54258