

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Mesita, 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-140
Originated 11/1/95

Submit Original
Plus 2 Copies
to appropriate
District Office

H-0385

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.

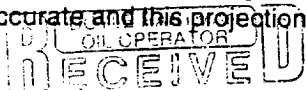
- I. Operator: Doyle Hartman OGRID #: 6473
Address: 500 N. Main, Midland, Texas 79701
Contact Party: Don L. Mashburn / Steve Hartman Phone: (915) 684-4011
- II. Name of Well: Britt Laughlin Com #8 API #: 30-025-05904
Location of Well: Unit Letter J, 1980 Feet from the South line and 1980 feet from the East line,
Section 5, Township 20S, Range 37E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 12-6-96
Date Workover Procedures were Completed: 12-11-96
- IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.
- 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:
Eumont

VII. AFFIDAVIT:

State of Texas)
County of Midland) ss.

Steve Hartman, 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.



SEP 25 1997

Steve Hartman
(Name)

Engineer
(Title)

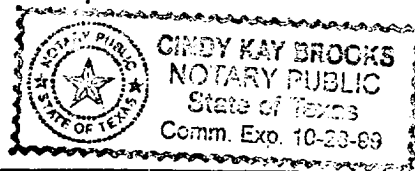
OCT 25 1997

my

SUBSCRIBED AND SWORN TO before me this 19 day of Sept, 1997

Cindy Kay Brooks
Notary Public

My Commission expires: 10/28/99



FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

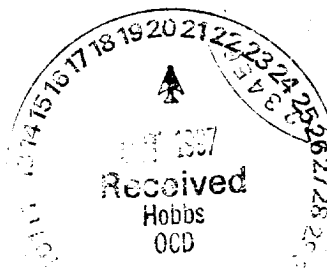
This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby 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 12-11-96, 1996.

[Signature]
District Supervisor, District 1
Oil Conservation Division

Date: 10/22/97

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

DATE: _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

LC-031621

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Britt Laughlin Com. #8

9. API Well No.

30-025-05904

10. Field and Pool, or Exploratory Area

Eumont

11. County or Parish, State

Lea

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Doyle Hartman

3. Address and Telephone No.

500 N. Main Midland, TX 79706

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL & 1980' FEL (J)
Section 5, T-20-S, R-37-E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- Abandonment
-
- ☒
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☐
- Other _____
-
- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Dug out around wellhead and inspected wellheads and casing strings. Verified that cement had been previously circulated to surface on outside of 7" OD casing. Installed 7" OD, 26lb/ft casing extension joint and tied 7" OD casing back to surface. Connected 2" risers to 12 1/2" x 9-5/8" and 9-5/8" x 7" casingheads and installed 48" x 8" galvanized corrugated cellar can. Backfilled around cellar can. Installed B&M Oil Tool 7" x 2-3/8" x 3" Type MR tubinghead and 3000-psi BOP. On 1/25/96, moved in Clarke well service unit and ABC Rental Tool hydraulic drilling unit. Picked up joint of 6" washover pipe and 6" mill shoe and recovered 4' dry-hole marker. Ran 6-1/4" bit and (6) 4-1/2" drill collars and drilled remainder of 40' surface cement plug. Finished loading 7" OD casing with 36 bbls of water. Pressure tested 7" OD casing to 1000 psi. Ran 2-3/8" tubing string to approximately 465' where tubing started stacking out. Installed power swivel and rotated and washed down tubing from 465-1125'. Recovered large quantities of paper and burlap fiber.

Ran 2-3/8" OD tubing to 3563' and circulated hole clean. Logged well with VDCBL-GR-CCL log from 0-3563' and with DSS-CNL-GR-CCL log from 2000-3563'. From 2970-3563' found good bonding corresponding to original cement job. Squeeze cemented uncemented 12-1/2" X 9-5/8" annular space with 1252 cubic feet of cement slurry containing 2% calcium chloride (150 sx thickset + 400 sx HLC + 150 sx Class-C). At beginning of squeeze, pumped HLC at 2 BPM at 50 psi. By end of squeeze, pump-in pressure had climbed to 400 psi at a pump-in rate of 1.5 BPM. WOC 40 hrs. Pressure tested 7" OD casing to 2010 psi. Observed slight drop of 70 psi in 25 minutes. Welded 7" OD casing extension joint to changeover flange on top of 9-5/8" x 7" head and filled cellar can with 4.25 cubic yards of ready-mix. Set CIBP at 3559' G.L. Select-fire perforated Eumont-Queen interval from 3269-3371' with (25) 0.38" x 17" shots. Acidized perms 3269-3371' with a total of 4500 gallons of 15% NEFE acid and 31 ball sealers at a maximum treating rate of 6.3 BPM and minimum treating rate of 3.0 BPM. Maximum treating pressure was 3300 psi. ISIP = 640 psi. 5-min SIP = VAC.

14. I hereby certify that the foregoing is true and correct

Signed Doyle Hartman Title EngineerDate 8-12-96

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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☐ Water Shut-Off
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Shut well in 12-6-96. Observed a build-up of 100 PSI. Rigged up service unit and pulled out of hole with rods and pump. Pulled out of hole with 109 joints of 2-3/8" tubing - ran model C packer and 102 joints of 3-1/2" OD tubing. Rig up Halliburton and frac down 3-1/2" tubing with 387,496# sand, 158,689 gal. water and 321.8 tons of CO₂. Kill well with 60 bbls. 2% KCL water. Pull 3-1/2" tubing and packer. Run in hole with 2-3/8" tubing and clean out sand with ABC foam unit to 3549' G.L. Pull tubing up to 3462'. Run pump and rods, hang well on to pump for test. 12-11-96

14. I hereby certify that the foregoing is true and correct

Signed Doyle Hartman Title Engineer

Date 5-20-97

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

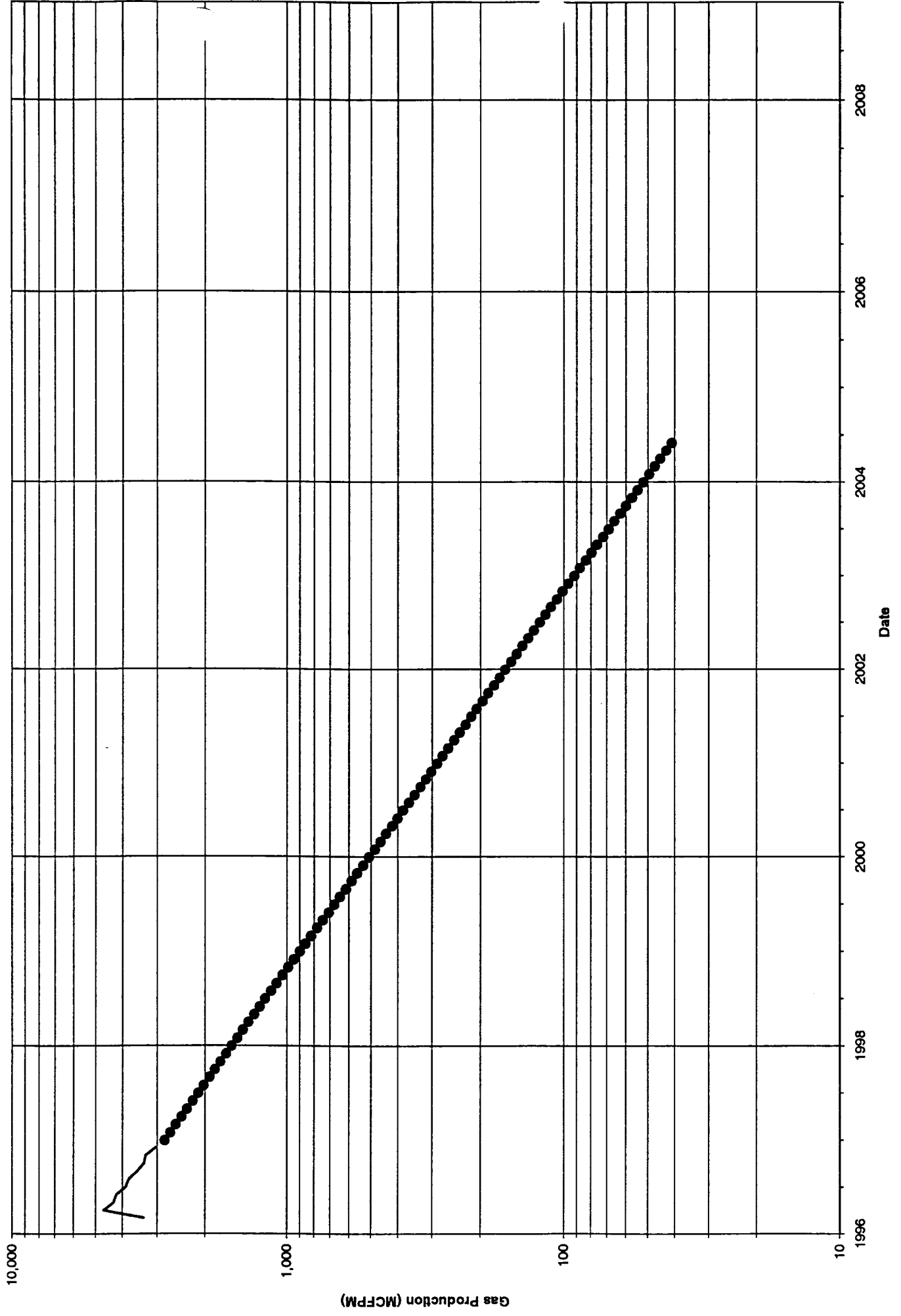
Date _____

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*See Instruction on Reverse Side

BRITT-LAUGHLIN COM #8
EUMONT (YATES SEVEN RIVERS QUEEN) YS
5J 20S 37E
HARTMAN DOYLE

6/1997: 0.107302 BCF



BRITT-LAUGHLIN COM #8
5J 20S 37E
EUMONT (YATES SEVEN RIVERS QUEEN, /S
HARTMAN DOYLE

<u>Date</u>	<u>Gas</u> <u>(MCF)</u>
02/96	3345
03/96	4683
04/96	4310
05/96	4203
06/96	3882
07/96	3784
08/96	3532
09/96	3334
10/96	3296
11/96	3035
12/96	2806
01/97	2676
02/97	2552
03/97	2433
04/97	2320
05/97	2212
06/97	2110
07/97	2012
08/97	1918
09/97	1829
10/97	1744
11/97	1663
12/97	1586
01/98	1513
02/98	1442
03/98	1375
04/98	1312
05/98	1251
06/98	1193
07/98	1137
08/98	1084
09/98	1034
10/98	986
11/98	940
12/98	897
01/99	855
02/99	815
03/99	778
04/99	741
05/99	707
06/99	674
07/99	643
08/99	613
09/99	585
10/99	557
11/99	532
12/99	507
01/00	483
02/00	461
03/00	440
04/00	419
05/00	400
06/00	381
07/00	363
08/00	347
09/00	330
10/00	315
11/00	300
12/00	287
01/01	273
02/01	261
03/01	248
04/01	237
05/01	226
06/01	215
07/01	205

BRITT-LAUGHLIN COM #8
5J 20S 37E
EUMONT (YATES SEVEN RIVERS QUEEN, .3
HARTMAN DOYLE

<u>Date</u>	<u>Gas (MCF)</u>
08/01	196
09/01	187
10/01	178
11/01	170
12/01	162
01/02	154
02/02	147
03/02	140
04/02	134
05/02	128
06/02	122
07/02	116
08/02	111
09/02	106
10/02	101
11/02	96
12/02	92
01/03	87
02/03	83
03/03	79
04/03	76
05/03	72
06/03	69
07/03	66
08/03	63
09/03	60
10/03	57
11/03	54
12/03	52
01/04	49
02/04	47
03/04	45
04/04	43
05/04	41