

DOYLE HARTMAN

Oil Operator
500 NORTH MAIN
P.O. BOX 10426
MIDLAND, TEXAS 79702

(915) 684-4011
(915) 682-7616 FAX

February 12, 2003

Via FedEx

New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, NM 87505
Attn: Lori Wrotenbery, Director, Oil Conservation Division
Michael E. Stogner, Chief Hearing Officer

Via FedEx

Chris Williams, NMOCD District 1 Supervisor
New Mexico Oil Conservation Division
1625 French Drive
Hobbs, New Mexico 88240

Re: **H.M. Britt Nos. 2 and 12 Eumont Wells**
NE/4NW/4 (Unit C)
Section 7, T-20-S, R-37-E
Lea County, New Mexico
[Federal Lease No.: LC-031621A]

Ladies and Gentlemen:

Reference is made to the NMOCD's letter, of February 5, 2003, that was received on February 10, 2003 (copy enclosed), regarding the fact that we have two Eumont producers (H.M. Britt Nos. 2 and 12 wells) situated within the same quarter-quarter section consisting of the NE/4NW/4 Section 7, T-20-S, R-37-E.

Reference is also made to our simultaneous dedication application, of August 14, 2002, corresponding to the multi-well 320-acre H.M. Britt Lease Eumont proration unit, consisting of the W/2E/2 and E/2W/2 Section 7, T-20-S, R-37-E, which application was necessitated by our return to beneficial use, in 2001, of four **long-time-abandoned** H.M. Britt Lease wellbores.

In regard to the H.M. Britt Nos. 2 and 12 Eumont wells, and the NMOCD's stated concerns about two Eumont producers being located **within** C-7-20S-37E, please find herein enclosed (1) a chronological tabulation of events surrounding the repair, **recompletion**, and return to production, of the H.M. Britt Nos. 2 and 12 wells, and (2) supporting documents corresponding to the herein enclosed chronological tabulation.

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FEB 14 2003
Oil Conservation Division

Case 13050

As can be ascertained from a **careful** review of the herein-enclosed chronology and corresponding supporting documents, as well as from other **key** enclosures, the H.M. Britt No. 2 wellbore, **as of 2001**, had been an **abandoned** wellbore for a period of **47 years**, with last production occurring in **October, 1954** (production graph enclosed).

Meanwhile, by 2001, the H.M. Britt No. 12 well, that was recompleted to the Lower-Eumont, in early 1977, was no longer a commercially viable producer, due to its production of highly corrosive and abrasive water, which water production resulted in **costly** and **unprofitable** well operations (i.e., **continual** rod parts and tubing leaks). The root cause of the costly water production was an inadequate and defective **26-year-old** cement job, that did **not** effectively isolate gas-productive Eumont strata from underlying water-productive Eunice-Monument strata, as **required** by NMOCD regulations (NMOCD Rule 107 enclosed).

Consequently, on May 3, 2001, a 3160-5 Notice of Intent was filed, with the BLM, that proposed repairing the long-time-abandoned H.M. Britt No. 2 well, and recompleting the well as a **replacement** for the non-commercial and **mechanically-defective** H.M. Britt No. 12 Lower-Eumont completion.

The next day, on May 4, 2001, a 3160-5 Notice of Intent was filed, with the BLM, corresponding to the H.M. Britt No. 12 well. The H.M. Britt No. 12 Sundry Notice proposed that the H.M. Britt No. 12 well be cleaned out and logged, so that a successful and mechanically-sound well abandonment could be achieved, and **further** upward migration of formation water would **not** occur, on the outside of the 5 ½" O.D. casing string, after abandonment of the H.M. Britt No. 12 well.

On June 23, 2001, as documented by the herein-enclosed 3160-5 Sundry Notice (dated September 25, 2001), corresponding to the H.M. Britt No. 12 well, a 795' vertical interval, from 2822' to 3617' (76 holes), was squeezed, and the inclusive permeable strata isolated, utilizing **2500** sx of cement, at a final squeeze pressure of **4000** psi.

Also, as documented by our herein-enclosed 3160-5 Sundry Notice, of September 25, 2001, corresponding to the H.M. Britt No. 2 well, the Britt No. 2 well was returned to beneficial use, on **June 27, 2001**, as a Lower-Eumont interval producer, as a replacement for the adjacent and defective H.M. Britt No. 12 Eumont wellbore, that was **squeezed** and **abandoned** on **June 23, 2001**.

On October 3, 2001, after receipt of our 3160-5 Sundry Notice (of September 25, 2001), corresponding to the abandonment, on June 23, 2001, of the H.M. Britt No. 12 Lower-Eumont well, the BLM issued a "**Note to Operator**" requesting that we furnish, **within 30 days**, an estimated time frame for also **returning** the abandoned H.M. Britt No. 12 to production. In light of (1) the BLM's **eagerness** to have the **abandoned** H.M. Britt No. 12 wellbore returned to an active producing status,

and (2) recognizing that the Upper-Eumont interval, in C-7-20S-37E, was **potentially** gas productive (but not a primary completion target), the H.M. Britt No. 12 was recompleted, on November 9, 2001, as an Upper-Eumont gas producer, between **2293'** and **2983'**, which Upper-Eumont recompletion interval is vertically **separate** and **isolated** from the underlying H.M. Britt No. 2 Lower-Eumont (Queen) producing interval, between **3017'** and **3277'**.

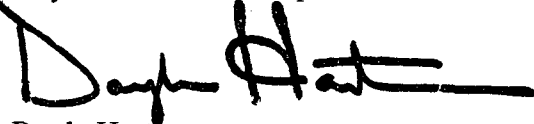
Although our **recompletion**, in November, 2001, of the H.M. Britt No. 12 well, as an Upper-Eumont producer, has subsequently resulted in two Eumont producers being situated **within** C-7-20S-37E, the H.M. Britt No. 2 (recompleted June 27, 2001), and the H.M. Britt No. 12 (recompleted November 9, 2001) clearly produce from **separate** portions of the **lengthy** vertical limits of the Eumont Pool, with each well demonstrating different production characteristics and reservoir pressures, as is evidenced by (1) the herein enclosed Britt Nos. 2 and 12 two-well completion-interval schematic, and (2) the herein enclosed Britt Nos. 2 and 12 two-well production/pressure plot.

Therefore, in recognition of the foregoing, it is evident that both the H.M. Britt No. 2 Lower-Eumont well and the H.M. Britt No. 12 Upper-Eumont well, because of their vertically-separate producing intervals, are **each** needed to (1) **fully** recover all remaining Eumont gas reserves underlying C-7-20S-37E, and (2) protect correlative rights; i.e., the **premature** abandonment of **either** well would lead to the loss (**waste**) of presently-recoverable gas reserves and **future revenues**, that were developed, in 2001, at a **substantial** investment cost of **\$960,010.36** (\$514,132.73 + \$445,877.63 = \$960,010.36).

Moreover, although it was **not** our initial plan, in May, 2001, to **recomplete** both the H.M. Britt Nos. 2 and 12 wells, as Eumont producers, because of the two vertically-separate completions that have resulted, due to the **requirements** set forth by the BLM, **more** total reserves are now potentially recoverable, from C-7-20S-37E, than would have been recoverable from a **single** Eumont wellbore, since the mechanical condition (cement and pipe), of both the H.M. Britt No. 2 well or the H.M. Britt No. 12 well, is insufficiently adequate to permit an **extended** single-well completion interval that covers the lengthy vertical section now **collectively** produced in the H.M. Britt Nos. 2 and 12 wells.

Very truly yours,

Doyle Hartman, Oil Operator

A handwritten signature in black ink, appearing to read 'Doyle Hartman', with a long horizontal line extending to the right.

Doyle Hartman
Owner

New Mexico Oil Conservation Division
February 12, 2003
Page 4

cc: **Via FedEx**
J.E. Gallegos
Gallegos Law Firm
460 St. Michaels Drive, Building 300
Santa Fe, NM 87505

James A. Davidson
201 W. Wall, Suite 600
Midland, TX 79701

DIVIDER PAGE



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

2/5/2003

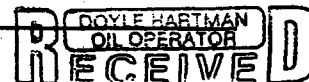
Steve Hartman
Doyle Hartman Oil Operator
PO Box 10426
Midland, Texas 79702

Dear Mr. Hartman:

An inspection by the New Mexico Oil Conservation Division (NMOCD), Hobbs District has found that the H.M. Britt Well #2 (30-025-05990) and H.M. Britt #11 (30-025-05998) are producing. This is contrary to NMOCD Administrative Order NSL 4773(SD) Page 3 paragraph 3A and 3B. The request to simultaneously dedicate these wells to the 320 acre non-standard gas spacing unit was **denied**. The wells must be immediately shut in pending an application for hearing before an NMOCD examiner and a subsequent hearing order issued.

Sincerely,

Chris Williams
NMOCD District1 Supervisor



FEB 10 2003

DIVIDER PAGE

Acreage Ownership Plat

T-20-S, R-36-E and R-37-E
Lea County, New Mexico

H. M. Britt #12

Upper-Eumont
330' FNL & 2281' FWL (C)
Sec. 7, T-20-S, R-37-E
(NMOCD Order No. R-5448, 6/8/77)

H. M. Britt #2

Lower-Eumont Replacement Well
660' FNL & 1980' FWL (C)
Sec. 7, T-20-S, R-37-E

H. M. Britt #1

1980' FNL & 1980' FWL (F)
Sec. 7, T-20-S, R-37-E
(Admin. Order SD-99-9, 8/23/99)

H. M. Britt #5

1980' FSL & 1980' FWL (K)
Sec. 7, T-20-S, R-37-E
(Admin. Order NSL-4773 (SD), 9/4/02)

H. M. Britt Eumont P.U.

E2 W2, W2 E2
Sec. 7, T-20-S, R-37-E
(320 acres, Order No. R-5448, Dated 6/8/1977)

H. M. Britt #4

660' FNL & 1980' FEL (B)
Sec. 7, T-20-S, R-37-E
(Admin. Order NSL-4773 (SD), 9/4/02)

H. M. Britt #11

1650' FNL & 1650' FEL (G)
Sec. 7, T-20-S, R-37-E

H. M. Britt #3

2310' FNL & 1650' FEL (G)
Sec. 7, T-20-S, R-37-E
(NMOCD Order No. R-5448, 6/8/77)

H. M. Britt #14

1400' FSL & 2310' FEL (J)
Sec. 7, T-20-S, R-37-E
(Admin. Order NSL-4773 (SD), 9/4/02)

EUNICE MONUMENT UNIT
DET (0000)

DIVIDER PAGE

Chronological Tabulation of Key Events Regarding the Repair and Recompletion of H.M. Britt Nos. 2 and 12 Wells

C-7-20S-37E

[Federal Lease No.: LC-031621A]

- 7-1-96 Pertaining to the H.M. Britt Nos. 2 and 12 wells, filed C-104 corresponding to Change of Operator, from Meridian to Doyle Hartman.
- 9-24-96 BLM issued Conditions of Approval regarding Temporary Abandonment of Wells on Federal Lands.
- 7-25-00 Received BLM certified notice, dated July 24, 2000, regarding six long-time abandoned H.M. Britt Lease wells (7-20S-37E).
- 11-27-00 Due to rig shortage, filed 3160-5 requesting a six-month start-date extension, for commencing required well work, as to abandoned H.M. Britt Lease wells listed in BLM's 7-24-00 certified notice.
- 5-3-01 Pertaining to the H.M. Britt No. 2, filed 3160-5 Notice of Intent corresponding to the repair of the H.M. Britt No. 2 wellbore, and recompletion of well "...as Eumont producer, as **replacement** for **adjacent** H.M. Britt No. 12 Eumont well (C-7-20S-37E) [emphasis added]..."
- 5-4-01 Pertaining to the H.M. Britt No. 12 well, filed 3160-5 Notice of Intent corresponding to the cleanout and logging of the H.M. Britt No. 12 well, which well work was "...necessary for the proper abandonment of the well, in order to ensure against future upward migration [sic] of formation water, on outside of 5 ½" O.D. casing string...", and the watering out of gas-productive Eumont strata, in C-7-20S-37E.
- 9-25-01 Pertaining to the H.M. Britt No. 12 well, filed 3160-5 Subsequent Report of completed well work, that was performed, on 6-23-01, to:
- (1) temporarily abandon H.M. Britt No. 12 well,
(2) squeeze off existing producing interval, and
(3) repair defective cement.
- 9-25-01 Pertaining to the H.M. Britt No. 2 well, filed 3160-5 Subsequent Report of completed well work, that was performed to:
- (1) repair casing and cement,
(2) return well to beneficial use (on 6-27-01), "**...as replacement Eumont producer**, for adjacent Britt No. 12 Eumont well (emphasis added)..."

Chronological Tabulation (Continued)

Page 2

- 9-25-01 Pertaining to the H.M. Britt No. 2 well, filed 3160-4 Recompletion Report corresponding to the recompletion of H.M. Britt No. 2 well, **between 3017' and 3277'**, "... **as replacement for adjacent Britt No. 12 Eumont well** (emphasis added)..."
- 10-4-01 Pertaining to the H.M. Britt No. 12 well, received BLM "Note to Operator", dated 10-3-01, requesting that operator, **within 30 days**, submit the **proposed time frame** for a recompletion attempt regarding H.M. Britt No. 12 well, which wellbore was **previously squeezed off and abandoned**, as to the **Lower-Eumont interval**, on **6-23-01**.
- 12-20-01 Pertaining to the H.M. Britt No. 2 well, filed C-104 corresponding to the recompletion of the H.M. Britt No. 2 well, **between 3017' and 3277'**, as "...**replacement for adjacent Britt No. 12 Eumont well** (emphasis added)..."
- 1-8-02 Pertaining to the H.M. Britt No. 12 well, filed 3160-5 Subsequent Report regarding the **recompletion** of the H.M. Britt No. 12 well, and return of wellbore "...**to beneficial use, as Upper Eumont gas producer, from 2293' to 2983' (53 holes)**(emphasis added)..."
- 1-8-02 Pertaining to the H.M. Britt No. 12 well, filed C-104 documenting the **recompletion** of the H.M. Britt No. 12 well, **between 2293' and 2983'** (Upper-Eumont interval).
- 1-11-02 Pertaining to the H.M. Britt No. 12 well, received BLM condition of acceptance, corresponding to 3160-5, dated 1-8-02, which condition stated "...Production Status will be monitored/checked in 1 year. Production **must be maintained** (emphasis added)..."

7-1-96

Pertaining to the H.M. Britt Nos. 2 and 12 wells, filed C-104 corresponding to Change of Operator, from Meridian to Doyle Hartman.

District I
PO Box 1960, Hobbs, NM 88241-1960
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address DOYLE HARTMAN 500 N. Main Midland, Texas 79701		OGRID Number 6473
		Reason for Filing Code CH 7/1/96
API Number 30-025-05990	Pool Name Eunice Monument GB/SA	Pool Code 23000
Property Code 19147	Property Name Britt	Well Number 2

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	7	20S	37E		660	FNL	1980	FWL	Lea

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lee Code F	Producing Method Code Shut-In	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description

IV. Produced Water

POD	POD ULSTR Location and Description

V. Well Completion Data

Spud Date	Ready Date	TD	FSTD	Perforations
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Don Mashburn

Title: Engineer

Date: 7-1-96

Phone: (915) 684-4011

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

Title:

Approval Date:

JUL 12 1996

If this is a change of operator fill in the OGRID number and name of the previous operator-

Previous Operator Signature

Paul M. Callaway

Printed Name

Production Supr 7/10/96

Title

Date

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
8119. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

En State of New Mexico
Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994

Instructions on back
Submit to Appropriate District Office
22101 B
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Doyle Hartman 500 N. Main Midland, Texas 79701		² OGRID Number 6473
		³ Reason for Filing Code CH 7-1-96
⁴ API Number 30-025-05999	⁵ Pool Name Eumont, Yates, 7Rivers, Queen (Pro Gas)	⁶ Pool Code 76480
⁷ Property Code 19147	⁸ Property Name Britt	⁹ Well Number 12

II. Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	7	20	37		330	N	2281	W	Lea

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lse Code Fed.	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
009171	GPM 4044 Penbrook Odessa, TX 79762	1699530	G	

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
1699550	

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Don L. Mashburn

Title:

Engineer

Date:

7-9-96

Phone:

915-684-4011

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

Approval Date:

JUL 12 1996

⁴⁷ If there is a change of operator, fill in the OGRID number and name of the previous operator

Previous Operator Signature

Meridian Oil Inc.
Printed Name

Acct. Asst.

Title

7-1-96

Date

9-24-96

BLM issued Conditions of Approval
regarding Temporary Abandonment of
Wells on Federal Lands.

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
505-627-0272

Temporary Abandonment of Wells on Federal Lands
Conditions of Approval

A temporarily abandoned well is defined as a completion that is not capable of production in paying quantities but which may have value as a service well. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

Temporary Abandonment (TA) status approval requires a successful casing integrity test as follows:

1. A bridge plug or packer must be installed as close to 50 feet above any open perforations or open hole as possible. If a cement plug is used, the top of the cement must be verified by tagging.
2. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes with a 10% allowable leakoff.
3. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
4. A bradenhead test must be conducted. If the test indicates a problem exists, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
5. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Chaves and Roosevelt County, call 505-627-0272; Eddy County, 505-234-5972; Lea County 505-393-3612.

Wells that successfully pass the casing integrity test will be approved for Temporary Abandonment (TA) status for a 12 month period provided that the operator:

1. Submits a subsequent Sundry Notice (Form 3160-5) requesting TA approval.
2. Attaches a clear copy or the original of the pressure test chart.
3. Provides justification why the well should be temporarily abandoned rather than permanently plugged and abandoned and an estimated date that the well will be returned to beneficial use or plugged and abandoned.
4. Describes the temporary abandonment procedure.

The TA status could be extended without another casing integrity test provided there was no leak-off during the test and the test was witnessed by a BLM representative.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following:

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.

Ref: IM: NM-95-022 (12/16/94)

7-25-00

Received BLM certified notice, dated July 24, 2000, regarding six long-time abandoned H.M. Britt Lease wells (7-20S-37E).



United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Hobbs Field Station
414 W. Taylor
Hobbs, New Mexico
Phone (505)393-3612 Fax(505)393-4280

CERTIFIED MAIL RETURN RECEIPT REQUESTED
Z 402 901 166

July 24, 2000

Doyle Hartman
P.O. Box 10426
Midland, Tx. 79702

Gentlemen:

Our records show that the well(s) on the attached list are operated by you and are Shut-In (SI) or Temporarily Abandoned (TA). The Bureau of Land Management (BLM) and Minerals Management Service (MMS) definition of a shut-in well is a completion that is physically and mechanically capable of production in paying quantities or capable of service use. The definition of a temporarily abandoned well is a completion that is not capable of production in paying quantities but which may have value as a service completion. According to our records the well(s) listed have been shut-in for 6 months or longer or have been temporarily abandoned without authorization. 43 CFR 3162.3-4(c) requires that wells incapable of production in paying quantities be promptly plugged and abandoned and requires approval for any well temporarily abandoned for more than 30 days.

Accordingly, you are to take one of the following actions for each well listed:

1. Return the well to production
2. Plug and abandon the well.
3. Request approval for temporary abandonment, including justification for request, and information regarding last casing integrity test on well.

If you decide to return the well(s) to production or beneficial use, submit a Sundry Notice of intent within 30 days of receipt of this letter. Include the date you anticipate the well(s) being placed back in service. Use Form 3160-5 and submit the original and 5 copies for each well. 43 CFR 3162.4-1(c) also requires you to notify the Authorized Officer, not later than the fifth business day after production is resumed for any well which has been off production for more than 90 days, the date on which such production was resumed. Notification may be by letter or Sundry Notice, or orally followed by letter or Sundry Notice.

DOYLE HARTMAN
OIL OPERATOR
RECEIVED

JUL 25 2000

If you decide to plug and abandon the well(s), submit a separate Sundry Notice (Form 3160-5, original and 5 copies) for each well within 30 days of receipt of this letter and describe the proposed plugging program.

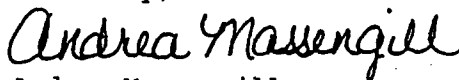
If you decide to temporarily abandon the well(s), submit a Sundry Notice (Form 3160-5, original and 5 copies) within 30 days of receipt of this letter, and state your justification for carrying the well(s) in a Temporarily Abandoned status. Justification must include the reason(s) why the well(s) should not be permanently plugged and abandoned. If the well(s) is/are to be used for beneficial purposes, include information concerning future use. A brief description of your proposed plans and economic feasibility and an anticipated date for placing the well(s) in beneficial use will suffice. Beneficial use includes, but is not limited to, recompletion to other horizons, conversion to injection for secondary or enhanced recovery, and salt water disposal. Approval for temporary abandonment may be denied if the Authorized Officer determines your justification is not reasonable.

For monitoring and tracking purposes, please submit appropriate paperwork for wells identified on attached list to Bureau of Land Management, 414 W. Taylor, Hobbs, New Mexico 88240, Attention: Andrea Massengill. This information will be forwarded to Carlsbad Field Office for final disposition.

Contact Andrea Massengill at the Hobbs Field Station, (505) 393-3612 if you have any questions.

Under provisions of 43 CFR 3165.3, you may request a State Director's Review of the orders described above. Such a request including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P.O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders, or decisions are contained in 43 CFR 3165.4 and 43 CFR Part 4.

Sincerely,



Andrea Massengill
Production & Accountability Tech

Attachment: (1)
List of TA/SI Wells

OPERATOR
Doyle Hartman

Lease Number	Well Name	Well No./API No.	Status
NMLC031621A	Britt A-6	#03/300250593900S1	TA
NMLC031621A	Britt A-6	#02/300250593800S1	TA
NMLC031621A	Britt A-7	#02/300250599000S1	TA
NMLC031621A	Britt A-7	#04/300250599200S1	TA
NMLC031621A	Britt A-7	#05/300250599300S1	TA
NMLC031621A	Britt A-7	#13/300250600000S1	TA
NMLC031621A	Britt A-7	#10/300250599700S1	OSI
NMLC031621A	Britt A-7	#11/300250599800S1	OSI
NMLC031621B	Britt B-8	#02/300250600700S1	TA
NMLC032450B	Cortland Myers	#02/300252574500S1	TA
NMNM84618	Britt Laughlin	#05/300250590700S1	TA
NMNM84618	Britt Laughlin	#04/300250600500S1	TA
NMNM7486	Jack A-20	#09/300252480300S1	TA
NMNM7488	Myers B Fed	#01/300251103700S1	GSI
NMNM71093	Meyer B-28 A	#03/300252487700S1	TA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Lea County Inspection Section
414 West Taylor Street
Hobbs, New Mexico 88240

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

CERTIFIED

Z 402 901 166

MAIL

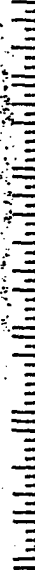
MIDLAND/ODESSA TX 79707-0004:03

Doyle Hartman
P.O. Box 10426
Midland, Tx. 79702

DOYLE HARTMAN
OIL OPERATOR
RECEIVED

JUL 25 2000

79702X7426



11-27-00

Due to rig shortage, filed 3160-5 requesting a six-month start-date extension, for commencing required well work, as to abandoned H.M. Britt Lease wells listed in BLM's 7-24-00 certified notice.

DOYLE HARTMAN

Oil Operator

500 NORTH MAIN

P.O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

(915) 682-7616 FAX

November 27, 2000

Andrea Massengill
Bureau of Land Management
414 W. Taylor
Hobbs, New Mexico 88240

Re: Notice Sent Certified Mail, Certified No. Z 402 901 166

Ms. Massengill,

Enclosed please find an original and 5 copies of Sundry Notice (Form 3160-5), for each well, as requested in your letter to us sent via certified mail, received by us on July 25, 2000 (copy enclosed).

If you have questions, please feel free to contact us.

Sincerely yours,

Doyle Hartman, Oil Operator

Linda Land

Linda Land
Controller

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Operator's Cg

FORM 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

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 St., Midland, Texas 79701 (915) 684-4011

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

660' FNL & 1980' FWL (C) Section 7, T-20-S, R-37-E, NMPM

5. Lease Designation and Serial No.
LC-031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

H.M. Britt #2

9. API Well No.

30-025-05990

10. Field and Pool, or Exploratory Area

Eunice Monument

11. County or Parish, State

Lea Co., NM

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 Temp. Abandonment & Casing Integrity Test
☐ 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.)

We plan to perform a casing integrity test on the subject well, and if necessary we will repair the casing. After testing casing and making any repairs (if needed), it is our intention to temporarily abandon subject well pending further evaluation. Due to rig and equipment availability we plan to commence work on or about May 1, 2001.

RECEIVED
2000 NOV 29 A 7:51
BUREAU OF LAND MGMT
MIDLAND, NEW MEXICO

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

Signed Tricia Barnes *ea*

Title Tricia Barnes, Production Analyst

Date 11/27/00

(This space for Federal or State office use)

Approved by See H. Lou

Title Petroleum Engineer

Date 12/27/2000

Conditions of approval, if any: See attached Test well w/in 90 days.

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.

5-3-01

Pertaining to the H.M. Britt No. 2, filed 3160-5 Notice of Intent corresponding to the repair of the H.M. Britt No. 2 wellbore, and recompletion of well "...as Eumont producer, as **replacement** for **adjacent** H.M. Britt No. 12 Eumont well (C-7-20S-37E) [emphasis added]..."

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

FORM 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

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 ST., Midland, Texas 79701 (915) 684-4011

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FNL & 1980' FWL (C) Section 7, T-20-S, R-37-E, NMPM

5. Lease Designation and Serial No.
LC-031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
H.M. Britt No. 2

9. API Well No.
30-025-05990

10. Field and Pool, or Exploratory Area
Eunice Monument

11. County or Parish, State
Lea Co., NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Return to Production</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Please 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.)

Please refer to page 2 of 2 attached hereto.

APPROVED FOR 2 MONTH PERIOD
ENDING 7/21/01

APPROVED
MAY 15 2001
GARY GOURLEY
PETROLEUM ENGINEER
DOYLE HARTMAN
OIL OPERATOR
RECEIVED
MAY 23 2001

14. I hereby certify that the foregoing is true and correct
Signed Tricia Smith Title Tricia Smith, Production Analyst Date 05/03/01
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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.

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2001 MAY -7 AM 10:18

BUREAU OF LAND MGMT.
ROSWELL OFFICE

RECEIVED

Page 2 of 2

BLM Form 3160-5 dated 5-03-01

Doyle Hartman

H.M. Britt No. 2

C-7-20S-37E

API No. 30-025-05990

In regard to the BLM's July 24, 2000 notice pertaining, in part, to non-producing wells on the 320-acre H. M. Britt lease (Sec. 7, T-20-S, R-37-E), as to the H.M. Britt No. 2 well, we hereby propose performing the following well operations.

1. Move in and rig up well service unit.
2. Run work string equipped with cementing stinger.
3. Sting into retainer setting at 3390'.
4. Establish pump-in rate.
5. Squeeze cement existing Grayburg perms, from 3453' - 3538'.
6. Drill out retainer and cement.
7. Rig up Schlumberger. Log well with VDCBL-GR-CCL log and DS-CNL-GR-CCL log.
8. If warranted (by results of logging job), run combination 5 1/2" O.D. x 5" O.D. casing string, to seal off the following squeeze perms, from 598' to 3538'.

<u>Squeeze Date</u>	<u>Depth</u>	<u>Holes</u>	<u>Cement Volume (sx)</u>	<u>Remarks</u>
6-24-77	3400	2	600	
6-25-77	2500	2	0	
6-25-77	950	2	850	
6-26-77	775	2	850	
6-28-77	598	2	450	
6-30-77	598	2	250	
3453-3538				Perforated 7-6-77
Total			2230 sx	

9. Cement 5 1/2" O.D. x 5" O.D. casing string back to surface.
10. Complete well, as Eumont producer, as replacement for adjacent H.M. Britt No. 12 Eumont well (C-7-20S-37E), which currently produces highly corrosive water, that has resulted in costly well operations; i.e., continual rod parts and tubing leaks.

5-4-01

Pertaining to the H.M. Britt No. 12 well, filed 3160-5 Notice of Intent corresponding to the cleanout and logging of the H.M. Britt No. 12 well, which well work was "...necessary for the proper abandonment of the well, in order to ensure against future upward migration [sic] of formation water, on outside of 5 ½" O.D. casing string...", and the watering out of gas-productive Eumont strata, in C-7-20S-37E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

FORM 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

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. LC031621A
2. Name of Operator Doyle Hartman	6. If Indian, Allocated or Tribe Name
3. Address and Telephone No. 500 N. Main St., Midland, Texas 79701 (915) 684-4011	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 330 FNL & 2281 FWL, Sec. 7, T-20-S, R-37-E, (C)	8. Well Name and No. H.M. Britt No. 12
	9. API Well No. 30-025-05999
	10. Field and Pool, or Exploratory Area Eumont Yates 7RQ (Pro Gas)
	11. County or Parish, State Lea County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Clean out wellbore. Run bond log.</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

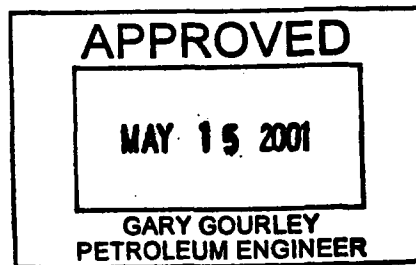
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

This well has a long history of excessive operating costs, due to continual rod parts and tubing leaks, caused primarily by the production of highly corrosive and abrasive formation water.

At the present, the well is again off of production. While a well service unit is on well, to return the well to production, we propose to evaluate the quality of the 1-29-77 cement job, by running a VDCBL-GR-CCL log, which will necessitate cleaning out existing fill, and drilling up retainer at 3495'. The same work would also be necessary for the proper abandonment of the well, in order to ensure against future upward immigration of formation water, on outside of the 5 1/2" O.D. casing string.

DOYLE HARTMAN
OIL OPERATOR
RECEIVED

MAY 23 2001



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

Signed Tricia Smith Title Tricia Smith, Production Analyst Date 05/04/01

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

RECEIVED

2001 MAY -7 AM 10:18

BUREAU OF LAND MGMT
ROSSELL OFFICE

MAY 12 2001

9-25-01

Pertaining to the H.M. Britt No. 12 well, filed 3160-5 Subsequent Report of completed well work, that was performed, on 6-23-01, to:

(1) temporarily abandon H.M. Britt No. 12 well,

(2) squeeze off existing producing interval, and

(3) repair defective cement.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOperator's
CopyFORM 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

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 St., Midland, Texas 79701 (915) 684-4011

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

330' FNL & 2281' FWL Sec. 7, T-20-S, R-37-E (C)

5. Lease Designation and Serial No.

LC031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Britt No. 12

9. API Well No.

30-025-05999

10. Field and Pool, or Exploratory Area

Eumont (Y-7R-Qn) Gas

11. County or Parish, State

Lea County, New Mexico

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

Temporary Abandonment
Squeeze Producing Interval
Repair Defective Cement
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

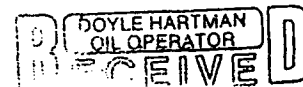
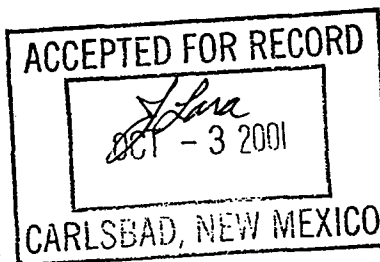
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

In conjunction with our completion of the Britt No. 2 well (C-7-20S-37E), as a replacement adjacent Eumont producer, the following abandonment operations, as described on pages 1 of 4, 2 of 4, 3 of 4 and 4 of 4 (attached hereto), have been performed, corresponding to the high-operating-cost Britt No. 12 Eumont completion (C-7-20S-37E).

Note to Operator:

TA approval requires
an estimated time frame
for a recompletion attempt.

Submit this information w/in 30 days.



OCT 04 2001

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

Signed

Steve Hartman, Engineer

Date 09/25/01

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

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2002 JAN 10 AM 10: 26

BUREAU OF LAND MGMT.
ROSWELL OFFICE

DETAILS OF COMPLETED OPERATIONS

Found tubing leak on April 21, 2001.

Moved in and rigged up well service unit, on May 3, 2001, to repair tubing leak (after waiting 12 days for available well service unit). Pulled rods and pump.

Blew down casing. Pulled 2 7/8" O.D. tubing. Replaced corroded and rod-cut tubing joints.

Ran 2 7/8" O.D. tubing, 4 3/4" bit, and 5 1/2" casing scraper, to 3432'. Pulled bit and scraper.

Ran 2 7/8" O.D. tubing and 179.53' bottom-hole drilling assembly, consisting of 4 3/4" bit and (6) 3 1/8" O.D. drill collars, to 3288'. Hooked up air unit. Blew hole dry.

Cleaned out wellbore, to 3500'. Blew hole dry. Raised bottom-hole assembly 16 joints. Shut in well, for pressure buildup. 35-hr SICP = 95 psig (buildup plot enclosed).

Lowered bottom-hole drilling assembly, to 3500'. Commenced drilling on 5 1/2" retainer (set 1-27-77). After drilling on retainer, for 1.25 hrs, slips relaxed, and retainer dropped 16'. Drilled up remainder of retainer. Cleaned out wellbore, to 3653' (top of cement covering CIBP at 3670').

Loaded wellbore with 2% KCL water. Pulled 197.53' bottom-hole assembly.

Rigged up Schlumberger. Logged well with DS-CNL-GR-CCL log and VDCBL-GR-CCL log.

Ran tubing and rods. Returned well to production, at 7:30 P.M., CDT, 5-9-01.

Moved well service unit back onto well, on 6-22-01. Pulled and laid down rods and pump. Pulled and laid down corroded and rod-cut 2 7/8" O.D. production tubing (installed, in well, in February, 2000).

Rigged up Capitan Corporation wireline truck. Perforated 5 1/2" O.D. casing, from 3344' to

3582' (below Eumont perfs), with (27) 0.38" x 19" squeeze holes.

Ran 2 7/8" O.D., 6.5 lb/ft, N-80, EUE work string, 5 1/2" Model "C" packer, and 5 1/2" Model "C" RBP.

Set 5 1/2" Model "C" RBP, at 3600'. Spotted 400 gal of 15% NEFE acid across and above squeeze perfs, from 3344' to 3582'. Raised and set 5 1/2" Model "C" packer, at 3479'. Pumped an additional 500 gal of 15% NEFE acid down 2 7/8" O.D. tubing. Allowed acid to soak, for 30 minutes. Acidized squeeze perfs, from 3489' to 3582' (15 holes), with an additional 1200 gal of 15% NEFE acid, at an average treating pressure of 200 psi. Observed no ball action. Had strong blow on 5 1/2" x 2 7/8" casing-tubing annulus. Upon shutting down, 5 1/2" O.D. casing went on a strong vacuum.

Raised 5 1/2" Model "C" RBP, to 3470'. Set 5 1/2" Model "C" packer, at 3315'. Acidized squeeze perfs, from 3344' to 3446' (12 holes), with 1900 gal of 15% MCA acid and 25 ball sealers, at an average treating rate of 4.5 BPM, and an average treating pressure of 200 psi. Observed no ball action.

Raised and set 5 1/2" Model "C" packer, at 2750'. Loaded 5 1/2" x 2 7/8" casing-tubing annulus. Pressure tested 5 1/2" O.D. casing, from 0' to 2750', to 2500 psi. Pressure held okay.

Pulled 2 7/8" O.D. work string and 5 1/2" Model "C" packer.

Rigged up Capitan Corporation. Perforated (11) 0.38" x 23" squeeze holes:

3199'	3211'	3232'	3612'
3207'	3213'	3235'	3617'
3209'	3228'	3604'	

Ran and set 5 1/2" Model "C" packer, at 2500'. Loaded 5 1/2" O.D. x 2 7/8" casing-tubing annulus. Pressured annulus to 2500 psi. Repaired defective cement job, and isolated water productive strata, from gas productive strata, by squeeze cementing all perforations (both production and squeeze perfs), from 2822' to 3617' (76 holes), with 1900 sx of API Class "C" neat cement, 300 sx of API Class "C" cement containing 3% CaCl₂, 3 lbs/sx Gilsonite, and 0.25 lb/sx Flocele, and 300 sx of API Class "C" cement containing 2% CaCl₂, 3.0 lb/sx

Page 4 of 4

BLM Form 3160-5 dated 9-25-01

Doyle Hartman

H.M. Britt No. 12

C-7-20S-37E

API No. 30-025-05999

Gilsonite, and 0.25 lb/sx Flocele (total of 2500 sx). Displaced cement slurry, to 2800', with 22.6 bbls of water. Maximum squeeze pressure = 4000 psi, at 0.5 BPM. 15-min SIP = 3460 psi.

Released 5 1/2" Model "C" packer. Raised packer 4 joints. Reset packer. Opened packer by-pass valve. Reversed 18 bbls of water up 2 7/8" O.D. tubing, to pit. Closed by-pass valve. Pressured 2 7/8" O.D. tubing, to 2000 psi. Rigged down Halliburton, at 9:00 P.M., CDT, 6-23-01.

Pulled and laid down 2 7/8" O.D. workstring and 5 1/2" O.D. Model "C" packer.

Wellbore now temporarily abandoned, pending potential recompletion to currently non-producing Eumont (Yates-Upper 7R) interval.

9-25-01

Pertaining to the H.M. Britt No. 2 well, filed 3160-5 Subsequent Report of completed well work, that was performed to:

(1) repair casing and cement,

(2) return well to beneficial use (on 6-27-01), “...as **replacement Eumont producer**, for adjacent Britt No. 12 Eumont well (emphasis added)...”

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

FORM 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

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 St., Midland, Texas 79701 (915) 684-4011

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

660' FNL & 1980' FWL (C) Section 7, T-20-S, R-37-E, NMPM

5. Lease Designation and Serial No.
LC-031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

H.M. Britt No. 2

9. API Well No.

30-025-05990

10. Field and Pool, or Exploratory Area

Eumont (Y-7R-Qn)

11. County or Parish, State

Lea Co., NM

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 & Cement Repair
☐ Altering Casing
☒ Other Return to Beneficial Use *

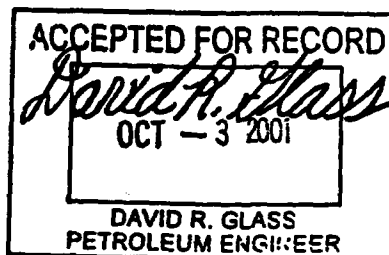
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☒ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Replacement for Adjacent Britt No. 12
Eumont Well)

(Note: Report results of multiple completions 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.)

For Details of Completed Operations, please refer to pages 1 of 7, 2 of 7, 3 of 7, 4 of 7, 5 of 7, 6 of 7, and 7 of 7 attached hereto, and made a part hereof.



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

Signed

Title Steve Hartman, Engineer

Date 09/25/01

(This space for Federal or State office use)

Approved by

Title

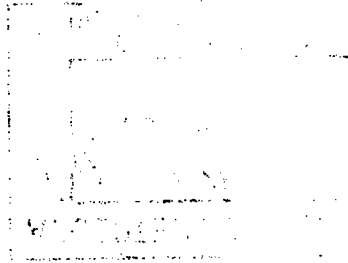
Date

Conditions of approval, if any:

RECEIVED

2001 SEP 27 AM 10:34

BUREAU OF LAND MGMT.
ROSWELL OFFICE



Page 2 of 7
BLM Form 3160-5 dated 9-25-01
Doyle Hartman
H.M. Britt No. 2
C-7-20S-37E
API No. 30-025-05990

DETAILS OF COMPLETED OPERATIONS

Moved in and rigged up well service unit. Installed B & M Oil Tool 7" x 2 3/8" x 3" Type MR tubinghead.

Ran new string of 2 3/8" O.D., 4.7 lb/ft, J-55, EUE tubing equipped with cementing stinger. Stung into 7" EZ-Drill retainer, at 3389' (set 3-24-98). Cemented old perfs (7-6-77), from 3453' to 3538', with 150 sx of API Class "C" cement containing 2% CaCl₂, 3 lb/sx Gilsonite, and 0.25 lb/sx Flocele, to a maximum squeeze pressure of 4436 psi. Reversed excess cement from tubing. Pulled 2 3/8" O.D. tubing and cementing stinger.

Ran 2 3/8" O.D. tubing equipped with 185.52' bottom-hole assembly, consisting of 6 1/4" bit and (6) 4 3/4" O.D. drill collars. Drilled cement (including 7" EZ-Drill retainer), from 3389' to 3544'.

Lowered bottom-hole drilling assembly, to PBTD of 3762'. Circulated hole clean. Pulled 2 3/8" O.D. tubing and bottom-hole drilling assembly.

Rigged up Schlumberger. Logged well with DS-CNL-GR-CCL log (dated 5-24-01) and VDCBL-GR-CCL log (dated 5/24/01).

Rigged up Capitan Corporation wireline truck. Perforated 7" O.D. casing, from 3323' to 3495', with (15) 0.44" x 23" squeeze holes.

Ran 2 3/8" O.D. tubing equipped with Baker 7" Model "C" packer and 7" Model "C" RBP. Set 7" Model "C" RBP, at 3510'. Spotted 150 gal of acid across and above squeeze perfs, from 3323' to 3495'.

Raised and set 7" Model "C" packer, at 3425'. Acidized squeeze perfs, from 3448' to 3495' (4 holes), with an additional 200 gal (total of 350 gal) of 15% NEFE acid. Performed injectivity test, at 2 BPM, at 1200 psi. ISIP = 0 psi.

Raised and set 7" Model "C" RBP, at 3425'. Spotted 150 gal of acid across and above squeeze perfs, from 3323' to 3408' (11 holes). Acidized squeeze perfs, from 3323' to 3408',

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with an additional 500 gal (total of 650 gal) of 15% NEFE acid. Performed injectivity test (3323' to 3408'), at 3.0 BPM, at 1025 psi.

Pulled 7" Model "C" packer and 7" Model "C" RBP.

Rigged up Capitan Corporation wireline truck. Set 7" EZ-Drill cementing retainer, at 3298'.

Ran 2 3/8" O.D. tubing equipped with cementing stinger. Cemented squeeze perfs, from 3323' to 3495' (15 holes), with 400 sx of API Class "C" neat cement, followed by 150 sx of API Class "C" cement containing 2 % CaCl_2 , 3 lbs/sx Gilsonite, and 0.25 lb/sx Flocele, to a maximum squeeze pressure of 4400 psi, at 0.2 BPM. Reversed excess cement from tubing. Pulled 2 3/8" O.D. tubing and cementing stinger.

Rigged up Capitan Corporation. Perforated 7" O.D. casing, from 3055' to 3230', with (22) 0.44" x 23" squeeze holes.

Ran and set 7" Model "C" packer, at 3240'. Spotted 400 gal of 15% NEFE acid across and above squeeze perfs, from 3055' to 3230' (22 holes). Acidized squeeze perfs, from 3055' to 3230', with an additional 300 gal (total of 700 gal) of 15% NEFE acid. Performed injectivity test (3055' to 3230'), at 3 BPM, at 1750 psi. Pulled 7" Model "C" packer.

Rigged up Capitan Corporation. Set 7" EZ-Drill retainer, at 3000'. Ran 2 3/8" O.D. tubing equipped with cementing stinger. Cemented squeeze perfs, from 3055' to 3230' (22 holes), with 400 sx of API Class "C" neat cement, followed by 100 sx of API Class "C" cement containing 2% CaCl_2 , 3 lb/sx Gilsonite, and 0.25 lb/sx Flocele. Final squeeze pressure = 4424 psi.

Reversed excess cement from tubing. Pulled 2 3/8" O.D. tubing and cementing stinger.

Ran 185.52' bottom-hole drilling assembly, equipped with 6 1/4" bit and (6) 4 3/4" O.D. drill collars. Drilled cement (including 7" EZ-Drill retainer), from 3055' to 3250'.

Lowered bottom-hole drilling assembly, to top of retainer, at 3298'. Drilled cement (including 7" EZ-Drill retainer), from 3298' to 3550'.

Lowered bottom-hole drilling assembly, to 3762'. Circulated hole clean. Pulled bottom-hole

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BLM Form 3160-5 dated 9-25-01
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API No. 30-025-05990

drilling assembly.

Rigged up Capitan Corporation. Perforated (11) 0.44" x 23" squeeze holes, from 2955' to 3039'.

Rigged up casing crew. Ran 5 1/2" x 5" combination casing string.

92 jts of 5 1/2" O.D., 14 lb/ft, J-55, ST&C casing	2985.01'
5 1/2" x 5", J-55 casing crossover (at 2985')	1.31'
25 jts of 5" O.D., 15 lb/ft, J-55, ST&C casing	756.57'
equipped with (25) 7" x 5" centralizers	
(1) TIW 5" Type C-LF landing collar	1.22'
(1) 5" O.D., 15 lb/ft, J-55 ST&C pup joint	15.14'
(1) TIW 5" Type TC226 double-valve set shoe	2.90'
<hr/>	
Total	3762.15'

Landed 5 1/2" x 5" combination casing string at 3761', with landing collar at 3743', and 5 1/2" x 5" casing crossover at 2985'.

Cemented casing, at 5.3 BPM, with 200 sx of API Class "C" neat cement, followed by 325 sx of API Class "C" cement, containing 1.25 % CaCl₂, 1.40 lb/sx Gilsonite, and 0.12 lb/sx Flocele. Displaced wiper plug, with 84 bbls of fresh water, at an initial displacement rate of 5 BPM. Final displacement rate was 0.25 BPM, at 4000 psi. Circulated 200 sx of excess cement to pit. Released pressure. Float held okay.

Pressured 7" x 5 1/2" casing annulus to 1000 psi. Closed 3" casing-annulus valve.

Installed 5 1/2" x 2 3/8" x 3" tubinghead. Installed BOP.

Ran 176.71' bottom-hole drilling assembly, consisting of 4 3/4" bit and (6) 3 1/8" drill

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BLM Form 3160-5 dated 9-25-01

Doyle Hartman

H.M. Britt No. 2

C-7-20S-37E

API No. 30-025-05990

collars, to 2985' (top of 5 1/2" x 5" crossover). Found no cement inside of 5 1/2" O.D. casing. Pulled 176.71' bottom-hole drilling assembly.

Ran 179.83' bottom-hole drilling assembly, consisting of 4 1/4" bit, 5" casing scraper, and (6) 3 1/8" drill collars. Drilled cement, from 3348' to 3743' (top of 5" landing collar). Circulated hole clean. Pulled 179.83' bottom-hole drilling assembly.

Rigged up Schlumberger. Logged well with VDCBL-GR-CCL log (dated 6-5-01) and Temperature-GR-CCL log (dated 6-5-01). Found good bonding, from 2955' to 3743'.

Ran 2 3/8" O.D. tubing. Rigged up air unit. Unloaded water from hole. Pulled 2 3/8" O.D. tubing.

Rigged up Capitan Corporation. Perforated Penrose (Lower Queen), from 3215' to 3277', with (18) 0.38" x 19" holes.

Ran and set 5" Model "C" packer, at 3290'. Spotted 150 gal of acid across and above perfs, from 3215' to 3277'. Raised packer to 3135'. Pumped an additional 350 gal of spot acid down 2 3/8" O.D. tubing. Let acid soak for 45 minutes.

Acidized perfs, from 3215' to 3277' (18 holes), with an additional 3000 gal (total of 3500 gal) of 15% MCA acid, and 22 ball sealers, at 4.1 BPM, and an average treating pressure of 2177 psi. $TP_{\max} = 2800$ psi (at ballout).

ISIP = 972 psi.

2-min SIP = 132 psi.

4-min SIP = 0 psi.

Pulled 5" Model "C" packer.

Ran and set 2 3/8" O.D. tubing, at 3510' RKB (107 jts @ 32.56'/jt + 1.1' SN + 18' MA - 3' AGL + 10' KBC = 3510.02'). Ran 2" x 1 1/4" x 12' RHAC insert pump and 3/4" rod string consisting of (138) 3/4" x 25' Axelson S-87 API Class "KD" rods, (1) 3/4" x 8' rod sub, (2) 3/4" x 2' rod subs, and 1 1/4" x 16' polish rod. Commenced pump testing Penrose (Lower Queen) perfs, at 8:00 P.M., CDT, 6-6-01, at 8.5 spm x 74" x 1 1/4". Observed the following well performance:

Page 6 of 7
BLM Form 3160-5 dated 9-25-01
Doyle Hartman
H.M. Britt No. 2
C-7-20S-37E
API No. 30-025-05990

Date: 6/18/01
Gas Rate = 25 MCFPD
Water Rate = 1.54 BPD
Orifice Size = 0.250"
CP = 10.2 psi

Rigged up well service unit. Pulled rods and tubing.

Ran and set 5" Model "C" RBP, at 3205'. Loaded casing, with 20 bbls of 2% KCL water.

Rigged up Schlumberger. Re-logged well, from 2350' to 3205', with DS-CNL-GR-CCL log (dated 6-19-01).

Ran 2 3/8" O.D. tubing. Hooked up air unit. Unloaded water from hole. Pulled 5" Model "C" RBP.

Rigged up Capitan Corporation. Perforated 5" O.D. casing, from 3551' to 3697', with 14 squeeze holes. Ran 5" Model "C" packer. Acidized squeeze perfs, from 3551' to 3697', with 400 gal of 15% NEFE acid. Performed injectivity test (3551' to 3697'), at 3.75 BPM, at 1600 psi. Pulled 5" Model "C" packer.

Rigged up Capitan Corporation. Set 5" EZ-Drill retainer, at 3540'. Ran 2 3/8" O.D. tubing equipped with cementing stinger.

Cemented squeeze perfs, from 3551' to 3697', with 166 sx of API Class "C" cement. Flushed cement with 13.6 bbls of 2% KCL water, at a maximum pressure of 4300 psi, at 1.6 BPM.

Pulled out of retainer. Raised tubing 1 jt. Hooked up air unit. Unloaded water from hole. Pulled 2 3/8" O.D. tubing and cementing stinger.

Rigged up Capitan Corporation. Perforated Upper Queen, from 3017' to 3174', with (14) 0.38" x 19" holes.

Ran 2 3/8" O.D. tubing, 5" Model "C" packer, and 5" Model "C" RBP. Set 5" Model "C" RBP, at 3198'. Spotted 650 gal of acid across and above perfs, from 3017' to 3174'. Raised

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BLM Form 3160-5 dated 9-25-01
Doyle Hartman
H.M. Britt No. 2
C-7-20S-37E
API No. 30-025-05990

and set 5" Model "C" packer, at 3000'. Acidized perfs, from 3017' to 3174' (14 holes), with an additional 2350 gal (total of 3000 gal) of 15% MCA acid and 16 ball sealers, at an average treating rate of 4.0 BPM and average treating pressure of 2700 psi. $TP_{mx} = 3300$ psi (at ballout). Pulled 5" Model "C" packer and 5" Model "C" RBP.

Ran 2 3/8" O.D. tubing. Hooked up air unit. Unloaded acid water from hole. Landed bottom of tubing at 3510'. Ran 2" x 1 1/4" x 12' RHAC insert pump and 3/4" rod string. Resumed pump testing well, at 8.5 spm x 74" x 1 1/4".

Shut in casing, for pressure buildup, at 12:30 P.M., CDT, 6-24-01. 19.5-hr SICP=85 psig.

Pulled rods and pump. Raised and landed bottom of tubing, at 2958'. Installed 2 3/8" O.D. carbide blast joint and 3" heavy-duty side valves. Made up flowing wellhead assembly.

Rigged up Halliburton. Performed CO₂ foam frac down 5 1/2" x 2 3/8" casing-tubing annulus, with 165, 171 gal of gelled water and CO₂, plus a combined total of 350,000 lbs of 20/40, 10/20, and 8/16 frac sand, at an average treating rate of 25.6 BPM and average wellhead casing pressure of 2549 psi. Static wellhead tubing pressure = 1925 psig.

Left well shut in for one hour. Opened to blowdown tank, for overnight cleanup.

Removed carbide blast joint and 3" heavy-duty frac valves. Installed 3" production ball valves. Lowered 2 3/8" O.D. tubing. Tagged top of sand fill, at 3422'. Hooked up air units. Cleaned out frac sand, to PBTD of 3520'.

Raised and landed bottom of 2 3/8" O.D. tubing, at 3445' RKB (105 jts. @ 32.56'/jt + 1.1' SN + 18' MA - 3' AGL + 10' KBC = 3444.9'). Ran 2" x 1 1/4" x 12' RHAC insert pump and 3/4" rod string, consisting of (136) 3/4" x 25' Axelson S-87 API Class "KD" rods, (1) 3/4" x 4' rod sub, and 1 1/4" x 16' polish rod. Returned well to beneficial use, on 6-27-01, as replacement Eumont producer, for adjacent Britt No. 12 Eumont well.

9-25-01

Pertaining to the H.M. Britt No. 2 well, filed 3160-4 Recompletion Report corresponding to the recompletion of H.M. Britt No. 2 well, **between 3017' and 3277', "... as replacement for adjacent Britt No. 12 Eumont well (emphasis added)..."**

OPERATOR'S COPY

Form 3160-4
(July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

LC-031621-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Britt No. 2

9. API WELL NO.

30-025-05990 0052

10. FIELD AND POOL, OR WILDCAT

Eumont (Y-7R-Q) Gas

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 7, T-20-S, R-37-E, NMPM

12. COUNTY OR PARISH

Lea

13. STATE

N.M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☒

DRY ☐

Other

b. TYPE OF COMPLETION:

NEW WELL ☐

WORK OVER ☐

DEEP-EN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

Other

DOYLE HARTMAN
OIL OPERATOR

2. NAME OF OPERATOR

Doyle Hartman

3. ADDRESS AND TELEPHONE NO.

500 N. Main St., Midland, TX 79701 (915-684-4011)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

660' FNL & 1980' FWL (C) Section 7, T-20-S, R-37-E, NMPM

At top prod. interval reported below

Same

At total depth

Same

Commencement Date

15. DATE SPUN OFF

05/22/01

16. DATE T.D. REACHED

03/14/36

17. DATE COMPL. (Ready to prod.)

06/27/01

DATE ISSUED

5/15/01 (3160-5)

14. PERMIT NO.

18. ELEVATIONS (DF, RKB, RT, GE, ETC.)

3563' DF

19. ELEV. CASINGHEAD

3552'

20. TOTAL DEPTH, MD & TVD

3847'

21. PLUG, BACK T.D., MD & TVD

3520'

22. IF MULTIPLE COMPL.,
HOW MANY?

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-3847'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)

3017'-3277' w/(32) 0.38" x 19" holes (7R-Qn)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DS-CNL-GR-CCL (5-24-01); VDCBL-GR-CCL (5-24-01); VDCBL-GR-CCL (6-5-01); DS-CNL-GR-CCL (6-19-01)

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13"	50#	256'		230 (Circ 6/77)	
9 5/8"	40#	2402'	12.250"	535 (Circ 6/77)	
7"	24#	3806'	8.750"	200 + 3546 = 3746 (Circ 6/77)	
5 1/2" x 5"	14# x 15#	3761'	6.37"	565 (Circ 200)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2" x 5" Crossover @ 2985'					2 3/8"	3445	---

31. PERFORATION RECORD (Interval, size and number) (32) 0.38" holes

3017 3089 3141 3218 3237 3252 3266
3030 3103 3143 3220 3239 3254 3277
3056 3111 3150 3227 3241 3256
3068 3120 3174 3230 3243 3262
3087 3124 3215 3233 3248 3264

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3017'-3174'	A/3000 15% MCA
3215'-3277'	A/3500 15% MCA
3017'-3277'	SWF/165,161 + 350,000

33. PRODUCTION

DATE FIRST PRODUCTION 06/07/01 7/6/01		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping - Flowing @ 8.5 spm x 74" x 1 1/4"				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 07/31/01	HOURS TESTED 24	CHOKE SIZE ---	PROD'N FOR TEST PERIOD →	OIL—BBL. ---	GAS—MCF. 453	WATER—BBL. 8.8	GAS-OIL RATIO ---
FLOW. TUBING PRESS. ---	CASING PRESSURE 62	CALCULATED 24-HOUR RATE →	OIL—BBL. ---	GAS—MCF. 453	WATER—BBL. 8.8	OIL GRAVITY-API (CORR.) ---	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

35. LIST OF ATTACHMENTS

DS-CNL-GR-CCL (5-24-01); VDCBL-GR-CCL (5-24-01); VDCBL-GR-CCL (6-5-01); DS-CNL-GR-CCL (6-19-01); Relevant well data.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Steve Hartman, Engineer

DATE 09/25/01

PETROLEUM ENGINEER

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

Return wellbore to beneficial use, on 6/27/01, as replacement for adjacent Britt No. 12 Eumont well.

RECEIVED

2001 SEP 27 AM 10:29

BUREAU OF LAND MGMT.
ROSWELL OFFICE

37. SUMMARY OF POROUS ZONES: (Show important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGICAL MARKERS			38. GEOLOGICAL MARKERS		
NAME	TOP		NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH		MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	980'				
Salado	1190'				
Tansill	2250'				
Yates	2415'				
Seven Rivers	2650'				
Queen	3100'				
Penrose	3213'				
Grayburg	3418'				

10-4-01

Pertaining to the H.M. Britt No. 12 well, received BLM "Note to Operator", dated 10-3-01, requesting that operator, **within 30 days**, submit the **proposed time frame** for a recompletion attempt regarding H.M. Britt No. 12 well, which wellbore was **previously** squeezed off and abandoned, as to the **Lower-Eumont interval**, on **6-23-01**.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Operator's Copy

FORM 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

SUBMIT IN TRIPLICATE

Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator
Doyle Hartman

Address and Telephone No.
500 N. Main St., Midland, Texas 79701 (915) 684-4011

Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FNL & 2281' FWL Sec. 7, T-20-S, R-37-E (C)

5. Lease Designation and Serial No.
LC031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Britt No. 12

9. API Well No.
30-025-05999

10. Field and Pool, or Exploratory Area
Eumont (Y-7R-Qn) Gas

11. County or Parish, State
Lea County, New Mexico

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

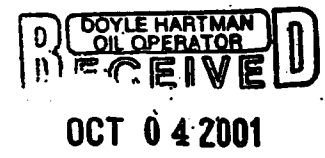
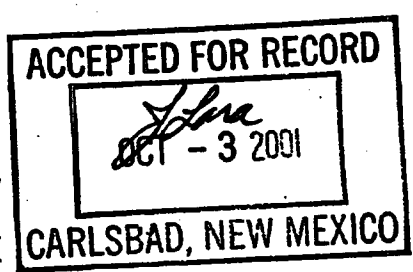
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment Temporary	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input checked="" type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Squeeze Producing Interval	<input type="checkbox"/> Dispose Water
	Repair Defective Cement	

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

3. 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.)

In conjunction with our completion of the Britt No. 2 well (C-7-20S-37E), as a replacement adjacent Eumont producer, the following abandonment operations, as described on pages 1 of 4, 2 of 4, 3 of 4 and 4 of 4 (attached hereto), have been performed, corresponding to the high-operating-cost Britt No. 12 Eumont completion (C-7-20S-37E).

Note to Operator:
TA approval requires
an estimated time frame
for a recompletion attempt.
Submit this information w/in 300 days.



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

Signed Steve Hartman Title Steve Hartman, Engineer Date 09/25/01

This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

12-20-01

Pertaining to the H.M. Britt No. 2 well, filed C-104 corresponding to the recompletion of the H.M. Britt No. 2 well, **between 3017' and 3277'**, as **"...replacement for adjacent Britt No. 12 Eumont well (emphasis added)..."**

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Doyle Hartman 500 N. Main Midland, Texas 79701		² OGRID Number 6473
		³ Reason for Filing Code/ Effective Date RC effective *
⁴ API Number 30 - 025-05990	⁵ Pool Name Eumont (Y-7R-Qn) Gas	⁶ Pool Code 76480
⁷ Property Code 19147	⁸ Property Name H.M. Britt	⁹ Well Number No. 2

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	07	20S	37E		660'	FNL	1980'	FWL	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code Fed	¹³ Producing P	¹⁴ Gas 7/6/01	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
020809	Sid Richardson 201 Main Street Ft. Worth, Texas 76102		G	C-07-20S-37E

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
	C-07-20S-37E

V. Well Completion Data

²⁵ Commencement Date	²⁶ Ready Date	²⁷ TD	²⁸ PBDT	²⁹ Perforations	³⁰ DHC, MC
5/22/01	6/27/01	3847'	3520'	3017'-3277'	4.408"
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
	13", 50#	256'	230 (Circ 6/77)		
12.250"	9 5/8", 40#	2402'	535 (Circ 6/77)		
8.750"	7", 24#	3806'	200 + 3546 = 3746 (Circ 6/77)		
6.37"	5 1/2", 14# x 5", 15#	3761'	565 sx (Circ 200 sx)		

VI. Well Test Data (Crossover @ 2985')

³⁵ Date Ready	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
6/27/01	7/6/01	7/31/01	24 hrs	---	62
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
40/128	---	8.8	453		Orifice Meter

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature:

Printed name:
Steve Hartman

Title:
Engineer

Date: 12/20/01 Phone:

Approved by:

Title:

Approval Date:

OIL CONSERVATION DIVISION

* Replacement for Adjacent Britt No. 12 Eumont well.

1-8-02

Pertaining to the H.M. Britt No. 12 well, filed 3160-5 Subsequent Report regarding the **recompletion** of the H.M. Britt No. 12 well, and return of wellbore “...to **beneficial use, as Upper Eumont gas producer, from 2293’ to 2983’ (53 holes)**(emphasis added)...”

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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

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 St., Midland, Texas 79701 (915) 684-4011

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FNL & 2281' FWL Sec. 7, T-20-S, R-37-E (C)

5. Lease Designation and Serial No.
LC031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Britt No. 12

9. API Well No.

30-025-05999

10. Field and Pool, or Exploratory Area

Eumont Gas

11. County or Parish, State

Lea County, New Mexico

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 Return well to active producing status

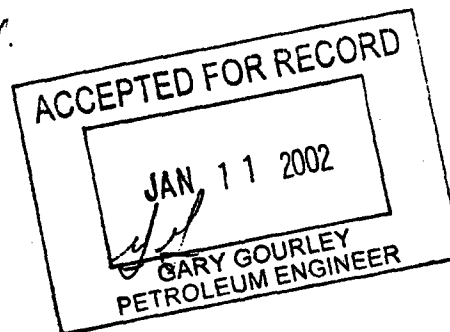
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(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.)

In regard to our 3160-5 filing dated 9/25/01, and the BLM's "note to operator" dated 10/3/01 (copy enclosed), we have performed the following subsequent well work, as described on pages 2 of 5, 3 of 5, 4 of 5 and 5 of 5, attached hereto.

*Production Status will be monitored/checked in 1 year.
Production must be maintained.*



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

Signed Steve Hartman
(This space for Federal or State office use)

Title Engineer

Date 01/08/02

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.

RECEIVED

2002 JAN 10 AM 10:26

BUREAU OF LAND MGMT.
ROSWELL OFFICE

Page 2 of 5
BLM Form 3160-5 dated 1-08-02
Doyle Hartman
H.M. Britt No.12
C-6-20S-37E
API No. 30-025-05999

Details of Completed Operations

1. Moved in and rigged up well service unit, on 10-16-01.
2. Ran new 2 3/8" O.D. tubing and bottom-hole drilling assembly consisting of 4 3/4" bit and (6) 3 1/2" O.D. drill collars.
3. Drilled cement, from 2725' to 3000'. Pulled drill string.
4. Ran and set 5 1/2" Model "C" packer, at 2833'. Pressure tested wellbore, from 2833' to 3000', to 3000 psi. Pressure held okay.
5. Pressure tested 5 1/2" O.D. casing, from 0' to 2833', to 2000 psi. Pressure held okay.
6. Pulled 5 1/2" Model "C" packer.
7. Re-ran bottom-hole drilling assembly. Drilled an additional 90' of cement, from 3000' to 3090'. Circulated hole clean.
8. Pressure tested wellbore, from 0' to 3090', to 2000 psi. Pressure held okay. Pulled bottom-hole drilling assembly.
9. Rigged up Schlumberger. Logged well with DS-CNL-GR-CCL log and VDCBL-GR-CCL log.
10. Ran open-ended 2 3/8" O.D. tubing. Blew well dry. Pulled 2 3/8" O.D. tubing.
11. Temporarily plugged well back, to 3004', by pouring 10.5 sx of 20/40 frac sand down hole. Flushed frac sand with 2% KCL water. Allowed sand to fall to bottom.
12. Ran 2 3/8" O.D. open-ended tubing. Tagged frac sand, at 3004'. Blew wellbore dry. Pulled 2 3/8" O.D. tubing.
13. Rigged up wireline truck. Perforated wellbore with (4) 0.38" x 19" holes, with one shot each, at 2837', 2850', 2938', 2955'.
14. Ran 2 3/8" O.D. tubing, to 2980'. Spotted 500 gal of 15% MCA acid, from 2380' to 2980'. Shut down overnight. At 8:00 a.m., 10-23-01, SITP = 43 psig.

15. Lowered tubing to 3001'. Spotted an additional 250 gal of 15% MCA acid. Pulled 2 3/8" O.D. tubing.

16. Ran 2 3/8" O.D. tubing and 5 1/2" Model "C" packer. Set 5 1/2" Model "C" packer, at 2197'. Acidized both old and new perforations, from 2837' to 2983' (15 holes), with an additional 2300 gal of 15% MCA acid and 41 ball scalers, at an average treating rate of 4.2 BPM and average treating pressure of 2545 psi. $TP_{mx} = 2680$ psi. ISIP = 1822 psi. 15-min SIP = 1684 psi. Flowed well to blowdown tank, for 22 minutes.

17. Pulled 5 1/2" Model "C" packer. Rigged up wireline truck. Perforated well with (20) 0.38" x 19" holes, with one shot each at:

2586'	2631'	2666'	2713'
2593'	2635'	2671'	2721'
2595'	2646'	2699'	2734'
2605'	2661'	2701'	2744'
2629'	2664'	2711'	2756'

18. Ran 5 1/2" Model "C" packer and 5 1/2" Model "C" RBP. Set RBP at 2790'. Spotted 300 gal of 15% MCA acid across and above perfs, from 2586' to 2756'. Raised and set packer, at 2485'. Pumped an additional 300 gal of acid down 2 3/8" O.D. tubing. Let acid soak for 30 minutes.

19. Acidized perfs, from 2586' to 2756' (20 holes), with an additional 3300 gal of 15% MCA acid and 34 ball sealers, at an average treating rate of 6 BPM and average treating pressure of 2850 psi. $TP_{mx} = 3200$ psi (at ballout). ISIP = 1646 psi. 10-min SIP = 1679 psi. Flowed well to blowdown tank, for 45 minutes.

20. Pulled 5 1/2" Model "C" packer. Rigged up wireline truck. Perforated well with (18) 0.38" x 19" holes, with one shot each at:

2293'	2370'	2414'	2508'
2294'	2387'	2416'	2515'
2323'	2394'	2441'	2517'
2353'	2409'	2443'	
2355'	2412'	2481'	

21. Ran 5 1/2" Model "C" packer and retrieving tool. Raised and set 5 1/2" Model "C" RBP, at 2555'. Spotted 350 gal of 15% MCA acid across and above perfs, from 2293' to 2517'.

Raised and set 5 1/2" Model "C" packer, at 2197'. Let acid soak for 30 minutes. Acidized perms, from 2293' to 2517' (18 holes), with an additional 3700 gal of 15% MCA acid and 27 ball scalers, at an average treating rate of 6.9 BPM and average treating pressure of 3100 psi. $TP_{mx} = 3230$ psi. ISIP = 1656 psi. 15-min SIP = 1544 psi. Did not ball out. Flowed well to blowdown tank, for 20 minutes.

22. Pulled and laid down 5 1/2" Model "C" packer and 5 1/2" Model "C" RBP.
23. Ran and landed 2 3/8" O.D. tubing, at 2977' RKB (93 jts @ 31.73'/jt + 1.1' SN + 18' MA - 3' AGL + 10' KBC = 2976.99'). Ran 2" x 1 1/4" x 12' RHAC insert pump and (118) 3/4" x 25' API Class "KD" rods. Commenced pumping and cleaning up well, at 5:00 p.m., CDT, 10-24-01, at 9.2 x 64 x 1 1/4. At 8:00 a.m., 10-25-01, SICP = 326 psig.
24. After pumping and cleaning up well, for 8 days, performed the following well test:

Date:		11-1-01
Gas Rate	=	39 MCFPD
Orifice Size	=	0.250"
Water Rate	=	1.5 BWPD
FCP	=	22.8 psig
OP	=	22.8 psig

25. Rigged up Halliburton. Cemented down 13 3/8" x 8 5/8" casing annulus, with 240 sx of API Class "C" cement containing 3% $CaCl_2$. Observed cement returns back to surface, on outside of 13 3/8" O.D. casing. Filled 4' x 4' x 4' cellar box with 48 sx of API Class "C" cement containing 3% $CaCl_2$. Shut in well, for buildup.
26. Moved in well service unit, on 11-5-01. Blew down casing. Pulled rods and pump. Raised bottom of 2 3/8" O.D. tubing, to 2282'. Installed 3 1/2" heavy-duty frac valves and 2 3/8" carbide blast joint. Made up flowing wellhead assembly. Shut in well, for overnight buildup. 15.5-hr SICP = 491 psig.
27. Rigged up Halliburton frac equipment. Performed CO_2 foam frac down 5 1/2" x 2 3/8" casing-tubing annulus, with 166,248 gal of gelled water and CO_2 (53.2% CO_2), and a total of 400,000 lbs of frac sand (10% 20/40, 15% 10/20, 75% 8/16), at an average treating rate of 29.3 BPM and average wellhead casing pressure of 2766 psig. Static wellhead tubing pressure = 2355 psig.

Page 5 of 5

BLM Form 3160-5 dated 1-08-02

Doyle Hartman

H.M. Britt No.12

C-6-20S-37E

API No. 30-025-05999

28. Flowed well overnight to blowdown tank.
29. Rigged up air units. Cleaned out wellbore, to 3090'. Landed bottom of 2 3/8" O.D. tubing string at 3040' RKB (95 jts @ 31.73'/jt + 1.1' SN + 18' MA - 3' AGL + 10' KBC = 3040.45'). Ran 2" x 1 1/4" x 12' RHAC insert pump and 3/4" API Class "KD" rod string. Commenced pumping and cleaning up well, at 4:30 p.m., 11-7-01, for recovery of frac fluid and CO₂.

30. Performed potential test, on 1-2-02.

Gas Rate	=	215 MCFPD
Water Rate	=	5.85 BWPD
CO ₂	=	2%
Choke Size	=	29/128
CP	=	61 psi
LP	=	16.1 psi

Wellbore has now been returned to beneficial use, as Upper Eumont gas producer, from 2293' to 2983' (53 holes).

1-8-02

Pertaining to the H.M. Britt No. 12 well, filed C-104 documenting the **recompletion** of the H.M. Britt No. 12 well, **between 2293' and 2983'** (Upper-Eumont interval).

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address Doyle Hartman P.O. Box 10426 Midland, TX 79702		2 OGRID Number 6473
3 API Number 30 - 0 25-05999		4 Pool Name Eumont Gas
5 Property Code 19147		6 Property Name H. M. Britt
7 Pool Code 76480		8 Well Number 12
9 Reason for Filing Code Put back on Production		10 CG, RC

II. 10 Surface Location

11 UI or lot no. C	12 Section 7	13 Township 20S	14 Range 37E	15 Lot Idn	16 Feet from the 330'	17 North/South Line North	18 Feet from the 2281'	19 East/West line West	20 County Lea
-----------------------	-----------------	--------------------	-----------------	------------	--------------------------	------------------------------	---------------------------	---------------------------	------------------

11 Bottom Hole Location

21 UI or lot no.	22 Section	23 Township	24 Range	25 Lot Idn	26 Feet from the	27 North/South Line	28 Feet from the	29 East/West line	30 County
31 Lee Code F	32 Producing Method Code P	33 Gas Connection Date 11/10/2001	34 C-129 Permit Number	35 C-129 Effective Date	36 C-129 Expiration Date				

III. Oil and Gas Transporters

37 Transporter OGRID 020809	38 Transporter Name and Address Sid Richardson 201 Main Street Ft. Worth, TX 76102	39 POD 1699530	40 O/G G	41 POD ULSTR Location and Description C-7-20S-37E

IV. Produced Water

42 POD 1699550	43 POD ULSTR Location and Description C-7-20S-37E
-------------------	--

V. Well Completion Data

44 Spud Date 07/29/1954	45 Ready Date 11/09/2001	46 TD 5713'	47 PBTD 3090'	48 Perforations 2293' - 2983'	49 DHC, DC, MC 5.012"
50 Hole Size 18"	51 Casing & Tubing Size 13-3/8"	52 Depth Set 612'	53 Sacks Cement 450		
11"	8-5/8"	3298'	1900 + 240 = 2140		
7-7/8"	5-1/2"	5713'	500 + 2500 = 3000		
Tubing String	2-3/8"	3040'			

VI. Well Test Data

54 Date New Oil	55 Gas Delivery Date 11/10/2001	56 Test Date 01/02/2002	57 Test Length 24 hrs.	58 Tbg. Pressure —	59 Csg. Pressure 61 psig
60 Choke Size 29/128	61 Oil —	62 Water 5.85 BBL	63 Gas 215 MCF	64 AOF —	65 Test Method Meter Run

66 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Steve Hartman*

Printed name: Steve Hartman

Title: Engineer

Date: 01/08/2002

Phone: (915) 684-4011

Approved by:

Title:

Approval Date:

OIL CONSERVATION DIVISION

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

67 If this is a change of operator fill in the OGRID number and name of the previous operator

CC: Dallas
Jal

Previous Operator Signature

Printed Name

Date

NOV 13 2002
DOYLE HARTMAN
OIL OPERATOR
RECEIVED

NOV 15 2002

1-11-02

Pertaining to the H.M. Britt No. 12 well, received BLM condition of acceptance, corresponding to 3160-5, dated 1-8-02, which condition stated "...Production Status will be monitored/checked in 1 year. Production **must be maintained** (emphasis added)...".

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 19935. Lease Designation and Serial No.
LC031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Britt No. 12

9. API Well No.

30-025-05999

10. Field and Pool, or Exploratory Area

Eumont Gas

11. County or Parish, State

Lea County, New Mexico

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

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 St., Midland, Texas 79701 (915) 684-4011

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

330' FNL & 2281' FWL Sec. 7, T-20-S, R-37-E (C)

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
- Return well to active producing status

- ☐
- 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.)

In regard to our 3160-5 filing dated 9/25/01, and the BLM's "note to operator" dated 10/3/01 (copy enclosed), we have performed the following subsequent well work, as described on pages 2 of 5, 3 of 5, 4 of 5 and 5 of 5, attached hereto.

*Production Status will be monitored/checked in 1 year.
Production must be maintained.*

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

Signed Steve Hartman
(This space for Federal or State office use)Title EngineerDate 01/08/02Approved by _____
Conditions of approval, if any:

Title _____

Date _____

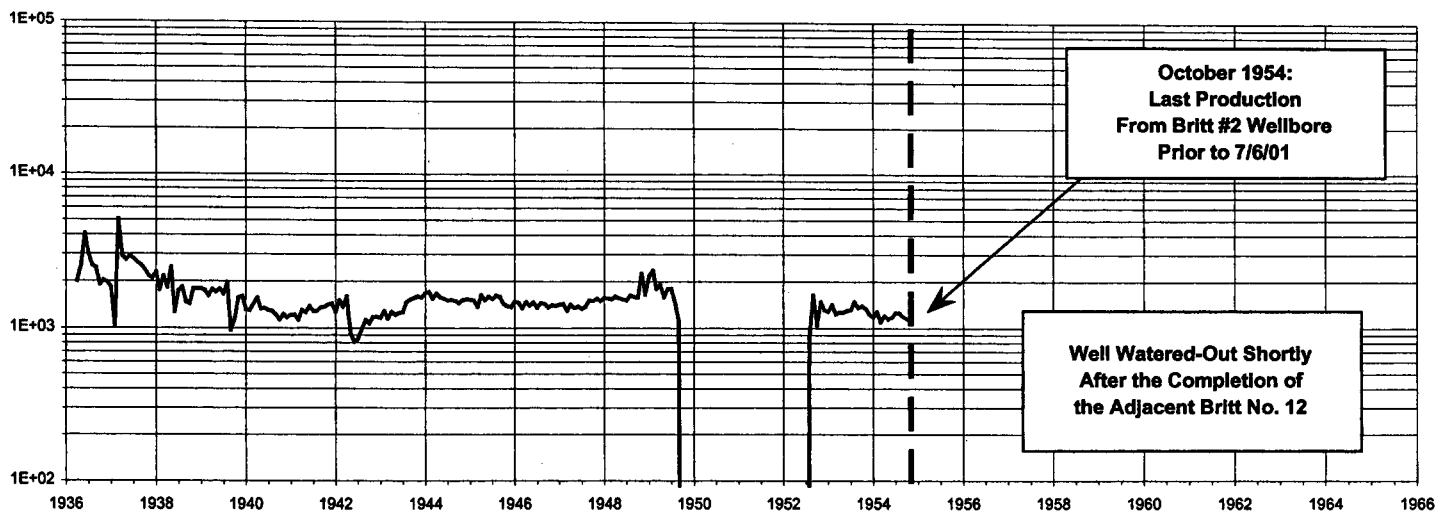
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JAN 16 2002

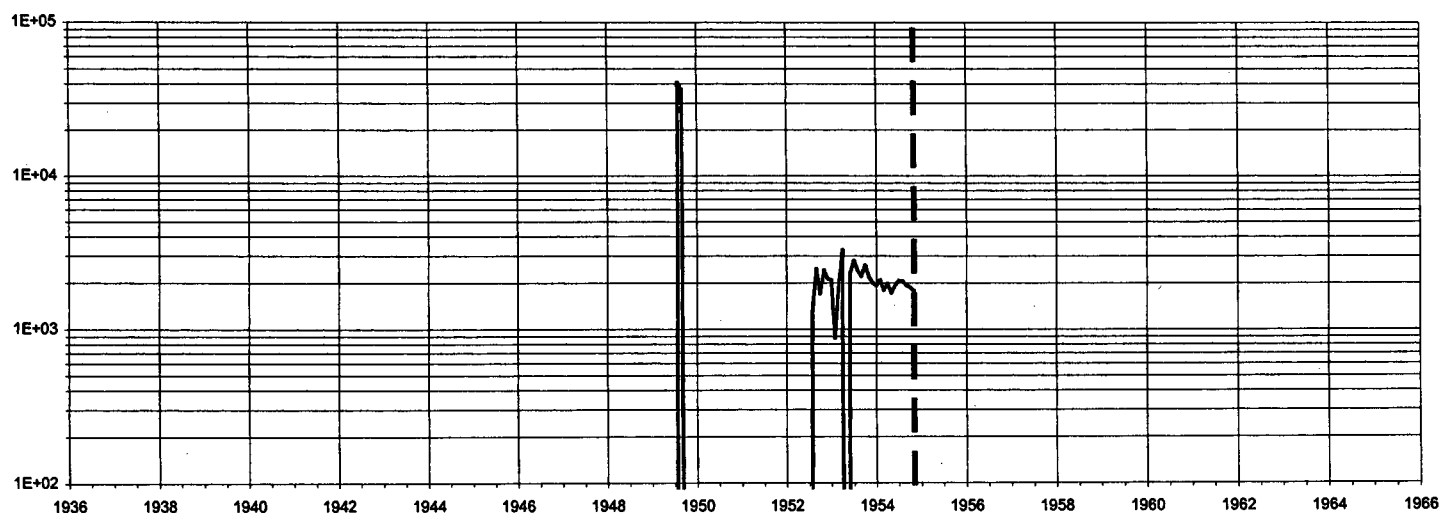
DIVIDER PAGE

Britt #2
Eunice Monument
C-7-20S-37E
Union Texas

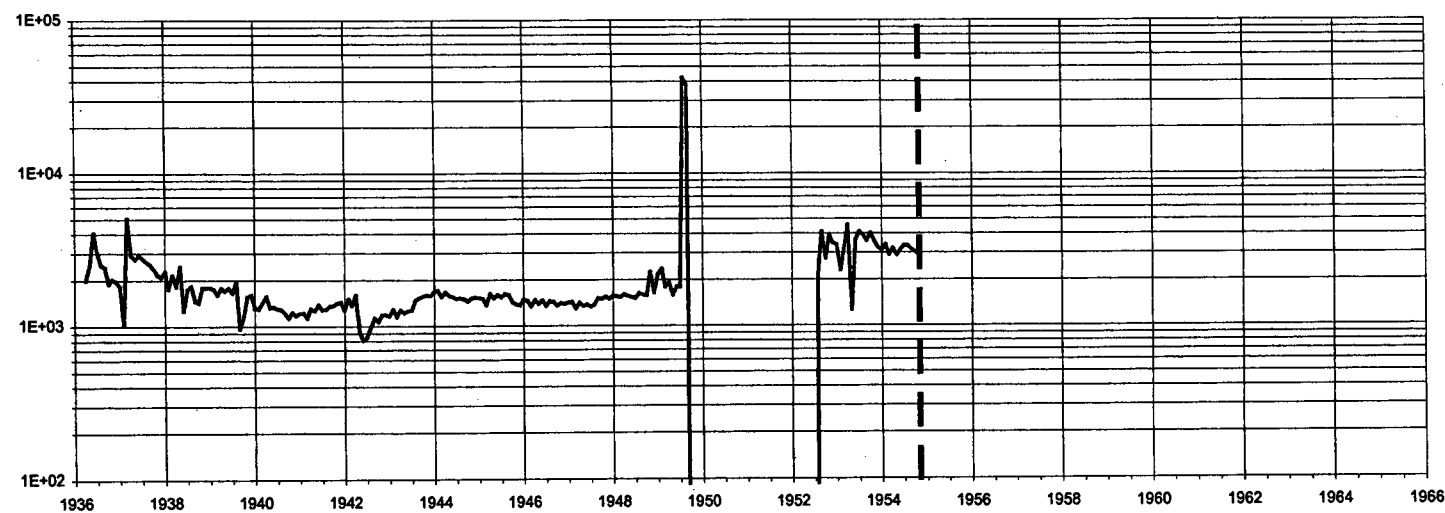
Oil Production (BPM)



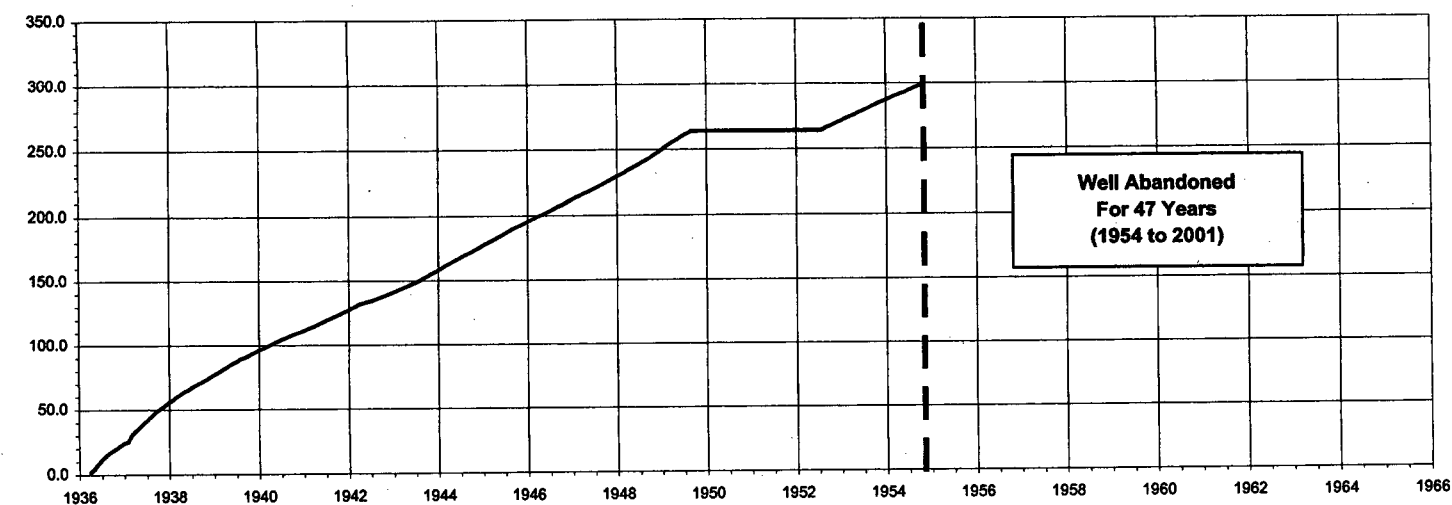
Water Production (BPM)



Total Fluid Production (BPM)



Cumulative Oil Production (MBO)



DIVIDER PAGE

NMOCD RULE 107

107.A. Any well drilled for oil or natural gas shall be equipped with such surface and intermediate casing strings and cement as may be necessary to effectively seal off and isolate all water-, oil-, and gas-bearing strata and other strata encountered in the well down to the casing point. In addition thereto, any well completed for the production of oil or natural gas shall be equipped with a string of properly cemented production casing at sufficient depth to ensure protection of oil- and gas-bearing strata encountered in the well, including the one(s) to be produced. [1-1-50...2-1-96]

107.B. Sufficient cement shall be used on surface casing to fill the annular space behind the casing to the top of the hole, provided however, that authorized field personnel of the Division may, at their discretion, allow exceptions to the foregoing requirement when known conditions in a given area render compliance impracticable. [1-1-50...2-1-96]

107.C. All cementing shall be by pump and plug method unless some other method is expressly authorized by the Division. [5-5-58...2-1-96]

107.D. All cementing shall be with conventional-type hard-setting cements to which such additives (lighteners, densifiers, extenders, accelerators, retarders, etc.) have been added to suit conditions in the well. [2-29-64...2-1-96]

107.E. Authorized field personnel of the Division may, when conditions warrant, allow exceptions to the above paragraph and permit the use of oil-base casing packing material in lieu of hard-setting cements on intermediate and production casing strings; provided however, that when such materials are used on the intermediate casing string, conventional-type hard-setting cements shall be placed throughout all oil- and gas-bearing zones and throughout at least the lowermost 300 feet of the intermediate casing string. When such materials are used on the production casing string, conventional-type hard-setting cements shall be placed throughout all oil- and gas-bearing zones and shall extend upward a minimum of 500 feet above the uppermost perforation or, in the case of an open-hole completion, 500 feet above the production casing shoe. [12-29-64...2-1-96]

107.F. All casing strings shall be tested and proved satisfactory as provided in paragraph I. below. [5-5-58...2-1-96]

107.G. After cementing, but before commencing tests required in paragraph I. below, all casing strings shall stand cemented in accordance with Option 1 or 2 below. Regardless of which option is taken, the casing shall remain stationary and under pressure for at least eight hours after the cement has been placed. Casing shall be "under pressure" if some acceptable means of holding pressure is used or if one or more float valves are employed to hold the cement in place. [5-5-58...2-1-96]

DIVIDER PAGE

DATA SHEET FOR FLOW TEST IN OIL CENTER--MONUMENT AREA

COMPANY Union Texas Petroleum Corp.

LEASE	WELL NO.	UNIT LETTER	SECTION TOWNSHIP RANGE	DATE OF TEST	CASING STRING TESTED	SHUT IN PRESSURE BEFORE TEST	PRESSURE IMMEDIATELY AFTER TEST	PRESSURE 1-HR. AFTER TEST	EST. VOLUME OF FLUID DURING TEST	REMARKS (Oil-Water-gas-etc.)
Brite	13	J	7-208-37E	6-11-76	13-3/8"	0	0	0	0	
					8-5/8"	30#	0	0	0	
					5-1/2"	0	0	0	0	
Brite	1	F	7-208-37E	6-10-76	10"	0	0	0	0	
					8-5/8"	60#	0	0	0	Bled down in 6 minutes.
					6-7/8"	0	0	0	0	
Brite	2	C	7-208-37E	6-14-76	13-3/8"	0	0	0	0	
					9-5/8"	520#	0	450#	0	Bled down in 20 seconds.
					7"	0	0	0	0	
Brite	3	C	7-208-37E	6-11-76	13"	0	0	0	0	
					9-5/8"	470#	0	20#	0	Bled down in 3 minutes.
					7"	0	0	0	0	Selling Gas
Brite	4	B	7-208-37E	6-10-76	13-3/8"	0	0	0	0	
					9-5/8"	50#	0	40#	1-1/2 gals	Est. Flowing 1 Bbl H ₂ O/24
					7"	35#	0	0	0	
Brite	5	K	7-208-37E	6-10-76	13"	40#	0	0	0	
					9-5/8"	560#	520#	560#	0	Gas well-opened valve on 9-5/8" press. on 7" drop the same amt. possible
					7"	570#	520#	560#	0	hole in casing.

I hereby certify that the information submitted is the truth and complete to the best of my knowledge.

BY: Stanley J. Ford

COMPANY Union Texas Petroleum Corporation

DATA SHEET FOR FLOW TEST IN OIL CENTER--MONUMENT AREA

COMPANY Union Texas Petroleum Corp.

WELL NO.	UNIT LETTER	SECTION TOWNSHIP RANGE	DATE OF TEST	CASING STRING TESTED	SHUT IN PRESSURE BEFORE TEST	PRESSURE IMMEDIATELY AFTER TEST	PRESSURE 1-HR. AFTER TEST	EST. VOLUME OF FLUID DURING TEST	REMARKS (Oil-Water-Gas-etc.)
11	G	7-20S-37E	6-10-76	13-3/8" 8-5/8" 5-1/2"	0 0 0	0 0 0	0 0 0	0 0 0	
12	C	7-20S-37E	6-10-76	13-3/8" 8-5/8" 5-1/2"	60# 700# 0	0 10# 0	0 30# 0	0 0 0	Flowing Gas

I hereby certify that the information submitted is the truth and complete to the best of my knowledge.

BY: *Stanley H. East*

COMPANY Union Texas Petroleum Corporation

DIVIDER PAGE

UNION TEXAS PETROLEUM
A DIVISION OF ALLIED CHEMICAL CORPORATION

INTER-OFFICE LETTER

TO: Mr. Everett Beckett

DATE: 11-9-76

FROM: Mr. Glenn Stehle *G. S.*

SUBJECT: Proposed Development
Monument Area
Lea County, New Mexico

Union Texas Petroleum operates four producing properties in the Monument Area of Lea County, New Mexico. These properties are located about ten miles southwest of Hobbs, New Mexico, and are centrally located in the Monument and Eumont multipay fields. A study of our properties in the Monument Area was recently conducted and a considerable amount of development potential was indicated. Four AFE's have recently been submitted to workover wells in this area and an additional four AFE's are attached with this letter.

Development of our properties in the Monument Area will entail recompleting existing wellbores in the Queen, Grayburg Gas Cap and Paddock. A total of eight recompletions are planned which will increase gross production an estimated 12 BO and 1525 MCFG per day. Increased gas production will sell at a rate of \$0.52 an MCF and all economics are based on this price.

QUEEN RECOMPLETIONS.

Two wells in the Monument Area, Britt "B" No. 2 and Britt "A" No. 6, are recommended for recompletion in the Queen. Increased production of 525 MCFGPD is anticipated from these recompletions.

Queen well performance in the area of our Britt leases is quite consistent. Wells in the area will currently flow at rates of around 2.0 MMCFPD and shut in at around 600 lbs. tubing pressure. Cross sections drawn through the Queen formation show it to be consistently and uniformly developed throughout the area. The two recompletions proposed for the Queen are expected to potential for around 2.0 MMCFPD. Production should be at top allowable rates which for the Britt "A" No. 6 and Britt "B" No. 2 will approximate 350 and 175 MCFGPD, respectively. The wells should produce at top allowable rates for a number of years.

A map showing the top of the Queen structure along with current production from Queen producers is attached. The production rates shown reflect allowable and do not necessarily indicate producing capability.

GRAYBURG GAS CAP RECOMPLETIONS.

Five wells in the Monument Area are recommended for recompletion in the Grayburg Gas Cap. These include the Britt No. 2, Britt No. 4, Britt No. 11, Britt "A" No. 3 and Britt "B" No. 2 (Britt B No. 2 to be a dual completion with the Queen). Total production of 1,000 MCFGPD or average production of 200 MCFGPD per well is expected from these five wells.

Grayburg Gas Cap production in the area of our Britt leases is fairly well established. Numerous Grayburg wells on or around our leases are currently producing at rates of 250 to 360 MCFGPD. Three hundred and sixty MCFGPD is top allowable for the Grayburg and most of the newer Grayburg completions are producing at this rate.

Some risk is involved with the proposed Grayburg Gas Cap recompletions. Several of the wellbores proposed for recompletion have questionable cement jobs and the casing in some of the wells is expected to be in poor condition. Mechanical problems could develop that would adversely effect the performance of the proposed recompletions. Initial production is estimated at only 200 MCFGPD per well to allow for these possible mechanical problems.

A map showing Grayburg Gas Cap completions in the vicinity of our Britt leases along with current production rates is attached.

PADDOCK RECOMPLETION.

One well in the Monument Area, Britt "A" Unit No. 7, is recommended for recompletion in the Paddock. This well is structurally high on the Paddock to several offset Paddock producers that are currently making from 10 to 16 BOPD. Britt "A" Unit No. 7 should be capable of making oil at a comparable rate and initial production is estimated at 12 BOPD.

The last well on the Britt "A" Lease to produce from the Paddock was the Britt "A" No. 3. Britt "A" No. 3 offsets the proposed Paddock Recompletion approximately 200' to the south and last tested 6 BO and 125 BW per day in October, 1969. A cross section drawn through the Paddock is attached which shows the top of the Paddock to be 23' lower in Britt "A" No. 3 than in Britt "A" Unit No. 7.

Britt "A" Unit No. 7 is property of the Britt "A" Unit and as such must be acquired by the Britt "A" lease prior to recompletion in the Paddock. A purchase price of \$8500 is proposed to acquire the well and lease inventory. Sixty-six hundred dollars of this will be reclaimed as salvageable equipment upon recompletion of the well. This reclaim is reflected in the economics of the attached AFE but is not reflected in the AFE cost estimate.

A map showing the top of the Paddock structure along with Paddock completions and current production rates is attached.

DIVIDER PAGE

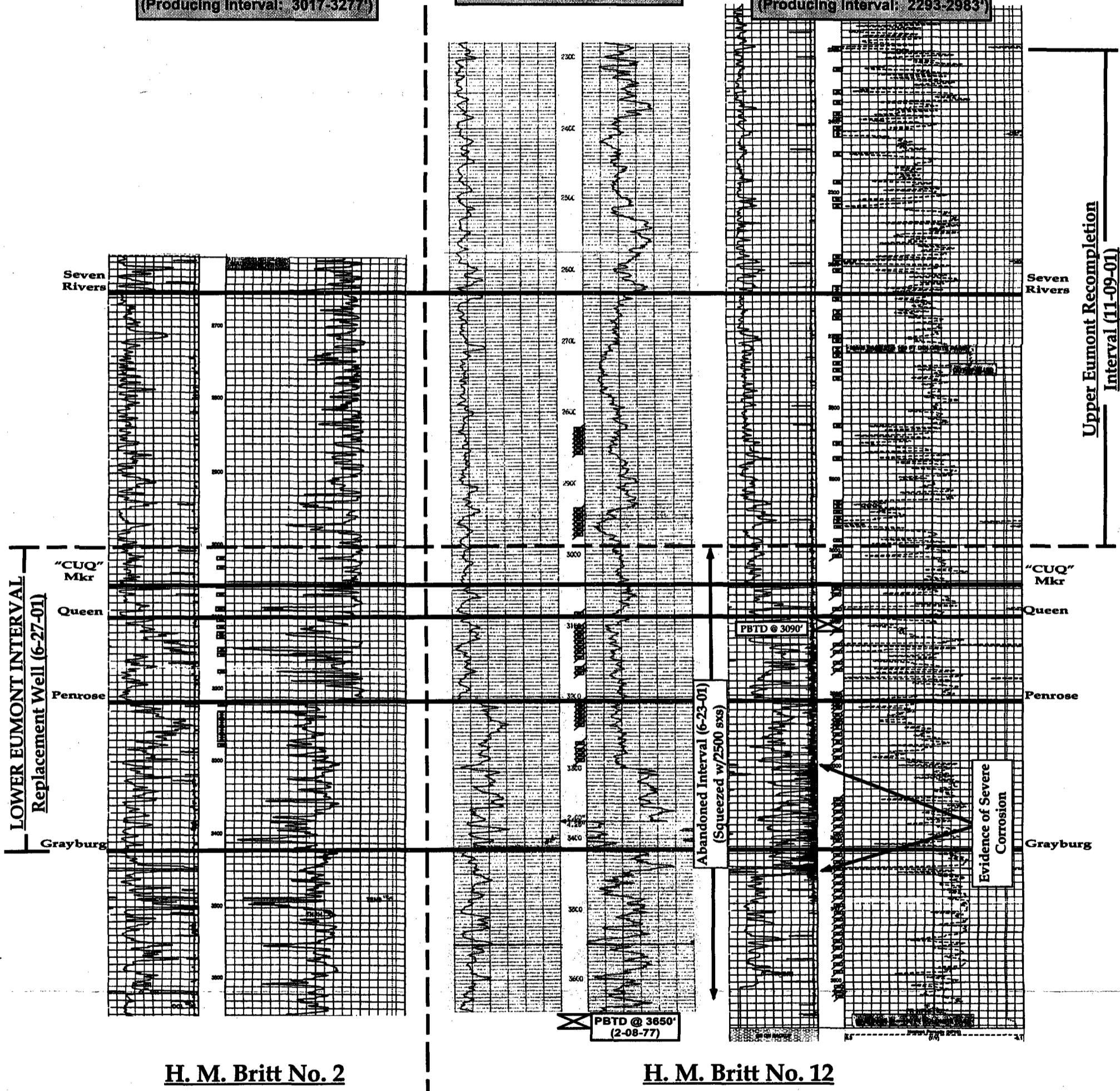
H. M. BRITT CROSS SECTION

C-07-20S-37E

H. M. BRITT NO. 2
Lower Eumont Interval
Replacement Well
6-27-01
660' FNL & 1980' FWL
(Producing Interval: 3017-3277')

H. M. BRITT NO. 12
Original Eumont
Completion Interval
Prior to 6-23-01
330' FNL & 2281' FWL

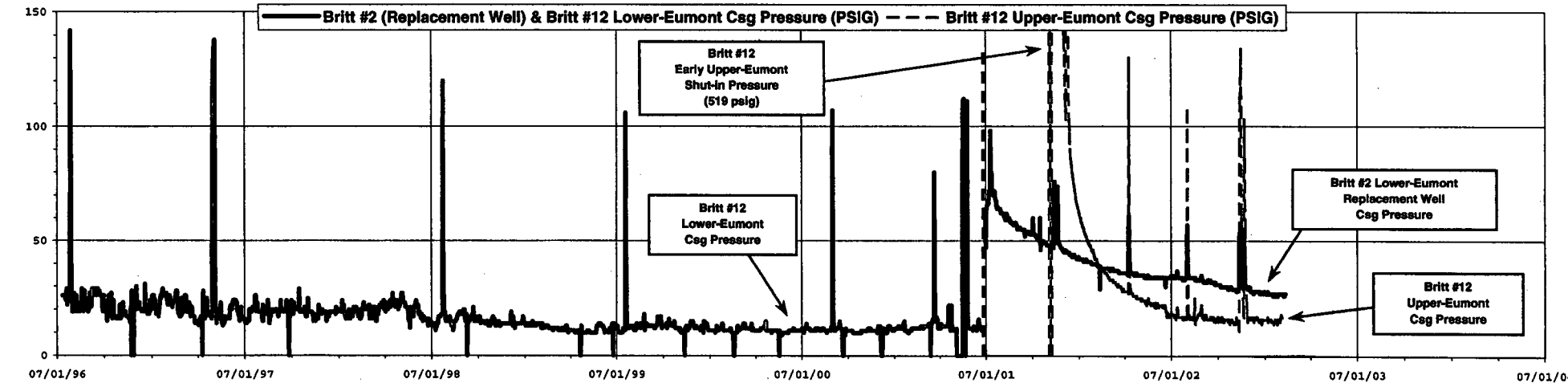
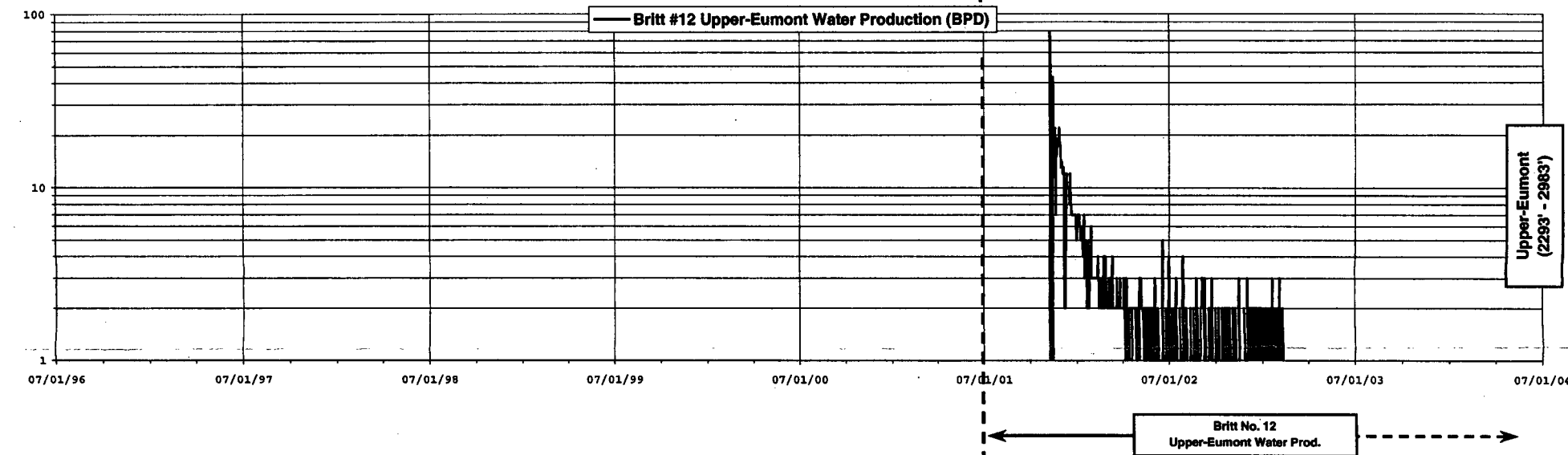
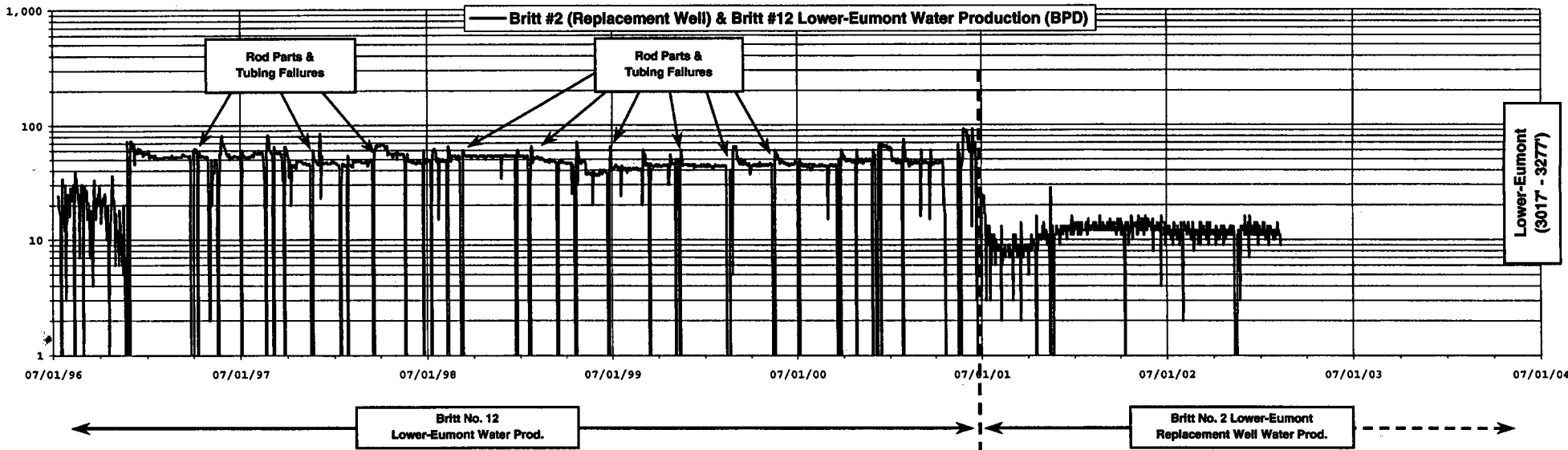
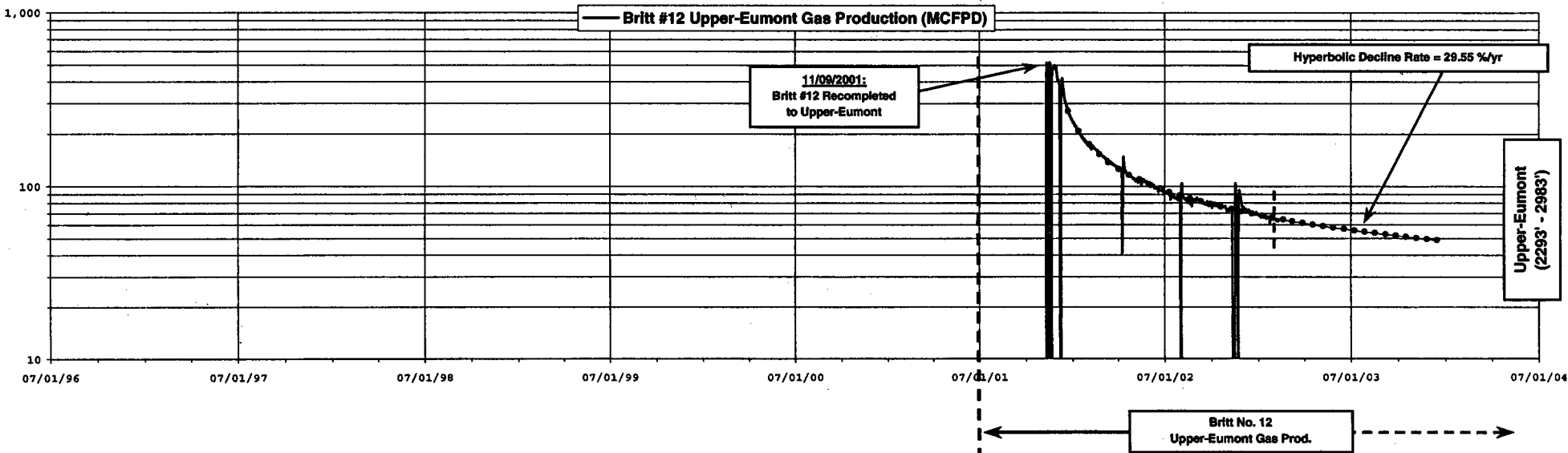
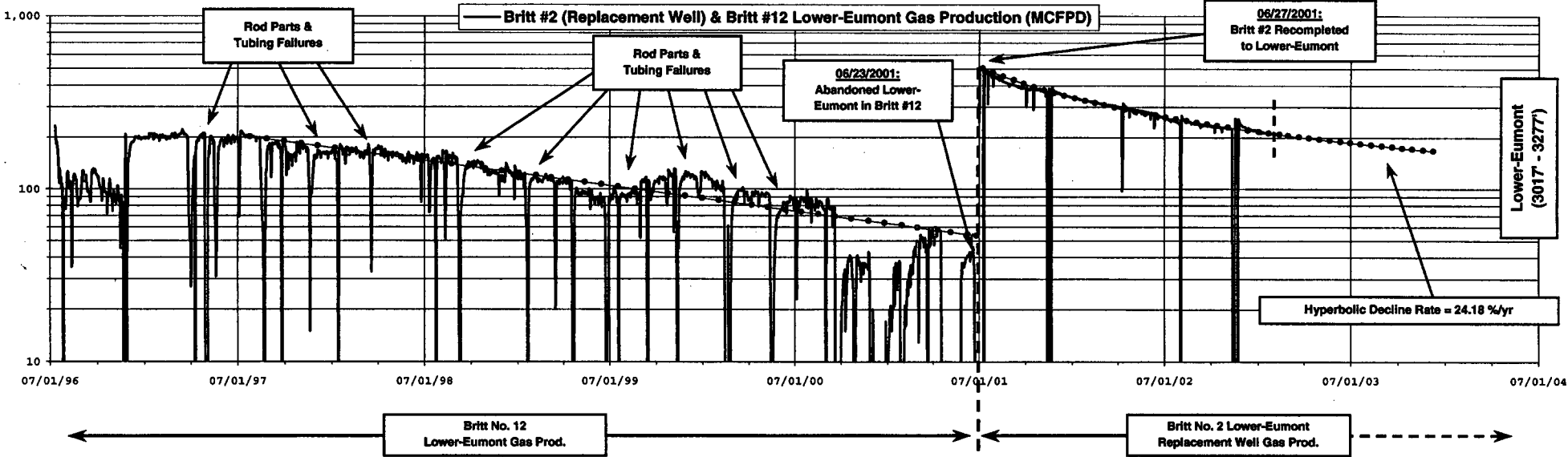
H. M. BRITT NO. 12
Upper Eumont
Recompletion
11-09-01
330' FNL & 2281' FWL
(Producing Interval: 2293-2983')



[FEDERAL LEASE NO.: LC-031621A]

DIVIDER PAGE

Daily Production Plot
Britt #2 & Britt #12
Eumont (Y-7R-Qn)
C-7-20S-37E
Doyle Hartman



02/10/03: 1.553 BCF 0.0 MBO Britt #2 (Replacement Well) & Britt #12 Lower Eumont
02/10/03: 0.060 BCF 0.0 MBO Britt #12 Upper-Eumont

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 14 2003

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

OIL CONSERVATION
DIVISION

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

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 79701, (915) 684-4011

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

2310' FNL & 1650' FEL (Unit G), Section 7, T-20-S, R-37-E

5. Lease Designation and Serial No.

LC-031621A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

H. M. Britt No. 3

9. API Well No.

30-025-05991

10. Field and Pool, or Exploratory Area

Eumont (Y-7R-Qn)

11. County or Parish, State

Lea, N.M.

Case 13050

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 Temporary Abandonment
Wellbore Integrity Test

- ☐ 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.)*

A review of recent Lease Operating Performance Statements, for the H. M. Britt No. 3 Lower-Eumont well (G-7-20S-37E), reveals that the well reached a negative profitability status, in September, 2002, while gas production remained on an established steady decline. As a consequence, while we perform a study to determine the feasibility of (1) successfully shutting-off the source of current water production, and (2) optimizing the recovery of Lower-Eumont gas reserves, we propose to temporarily abandon the H. M. Britt No. 3 wellbore.

In this regard, please find enclosed, on page 2 of 2, our proposed well work procedure for temporarily abandoning the H. M. Britt No. 3 wellbore. We expect to have a rig available, within a week, to perform the subject work.

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

Signed 

Title Engineer

Date 02/11/2003

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

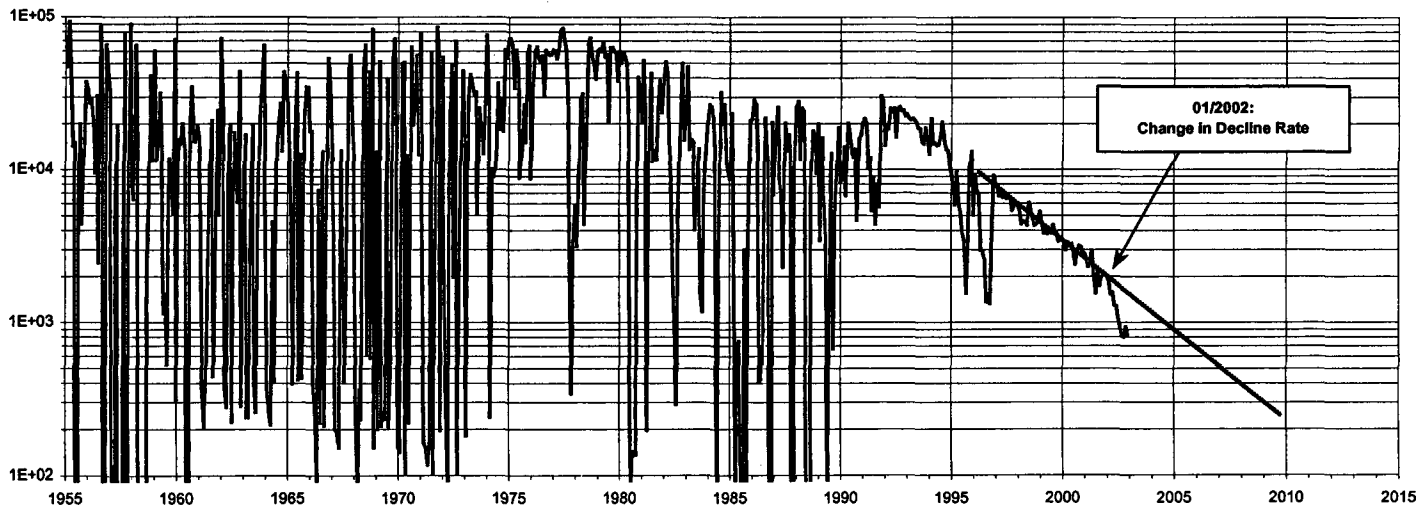
Proposed Temporary Abandonment and
Wellbore Integrity Test Procedure

1. Move in and rig up well service unit.
2. Pull and lay down rods and tubing.
3. Rig up air-foam cleanout unit.
4. Run 2 7/8" O.D. work string and bottom-hole cleanout assembly. Clean out well to PBTD.
5. Rig up Schlumberger. Log well with DSI-CNL-GR-CCL log and VDCBL-GR-CCL log.
6. Run work string equipped with 7" Model "C" packer.
7. Squeeze cement existing Lower-Eumont perms, with 300 sx of API Class "C" cement containing 2% CaCl_2 , followed by 500 sx of API Class "C" containing 2.5% CaCl_2 , 5lb/sx Gilsonite, 0.25 lb/sx Flocele. Reverse out excess cement.
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10. Perform study to ascertain the feasibility of profitably repairing and returning well to beneficial use, as Lower-Eumont interval producer.

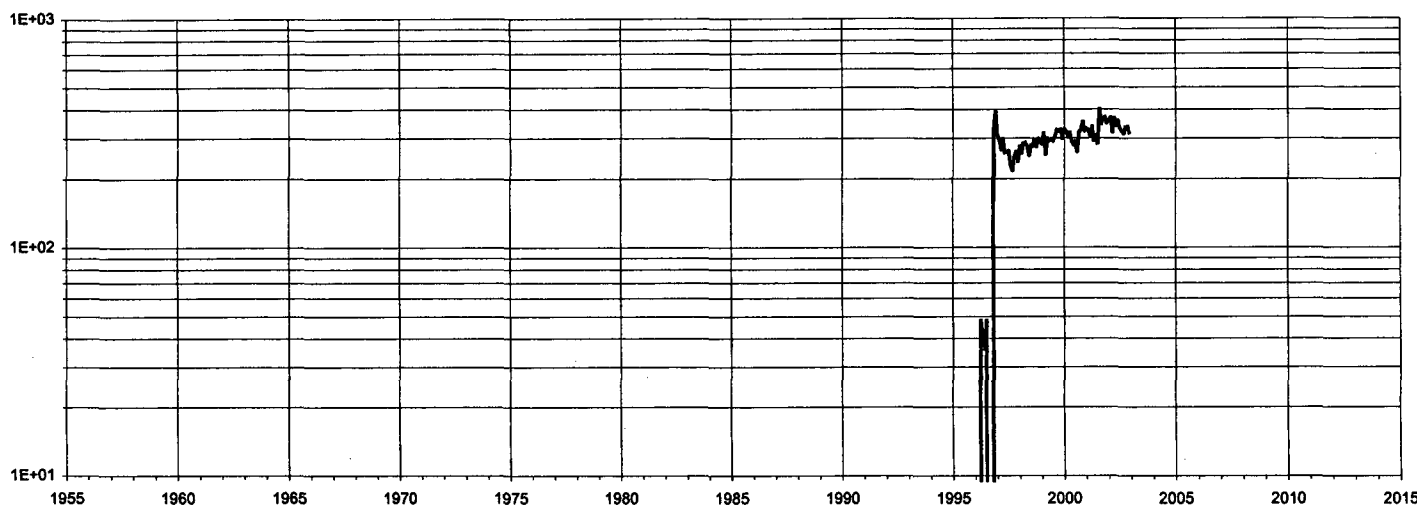
DIVIDER PAGE

Britt #3
Eumont (Yates/Seven Rivers/Queen)
G-07-20S-37E
Doyle Hartman

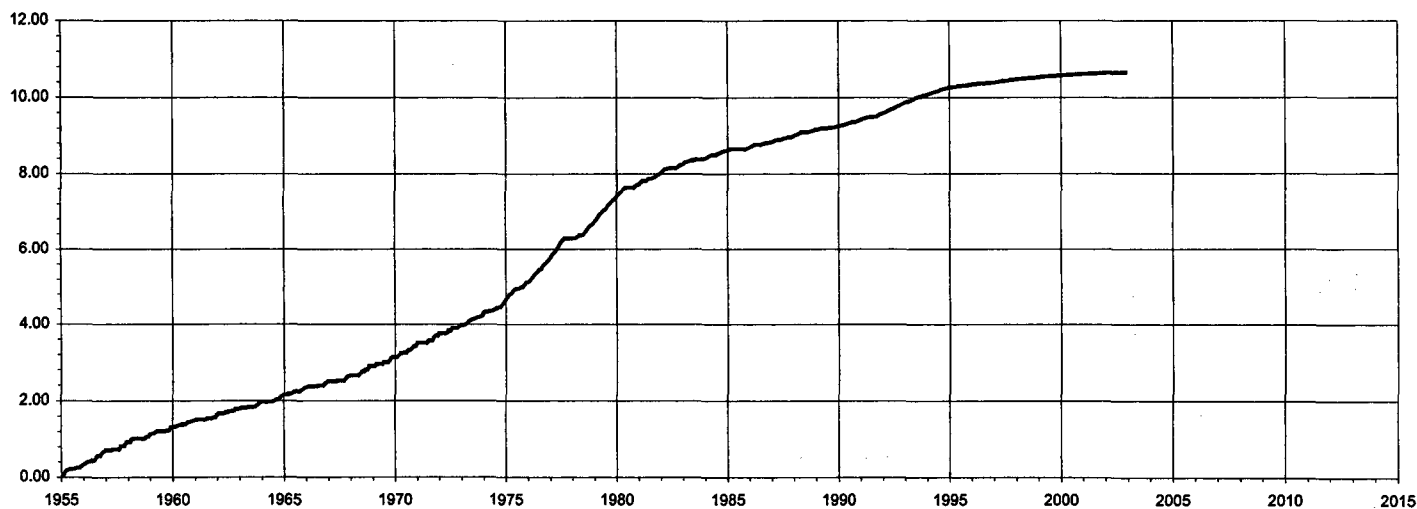
Gas Production (MCFPM)



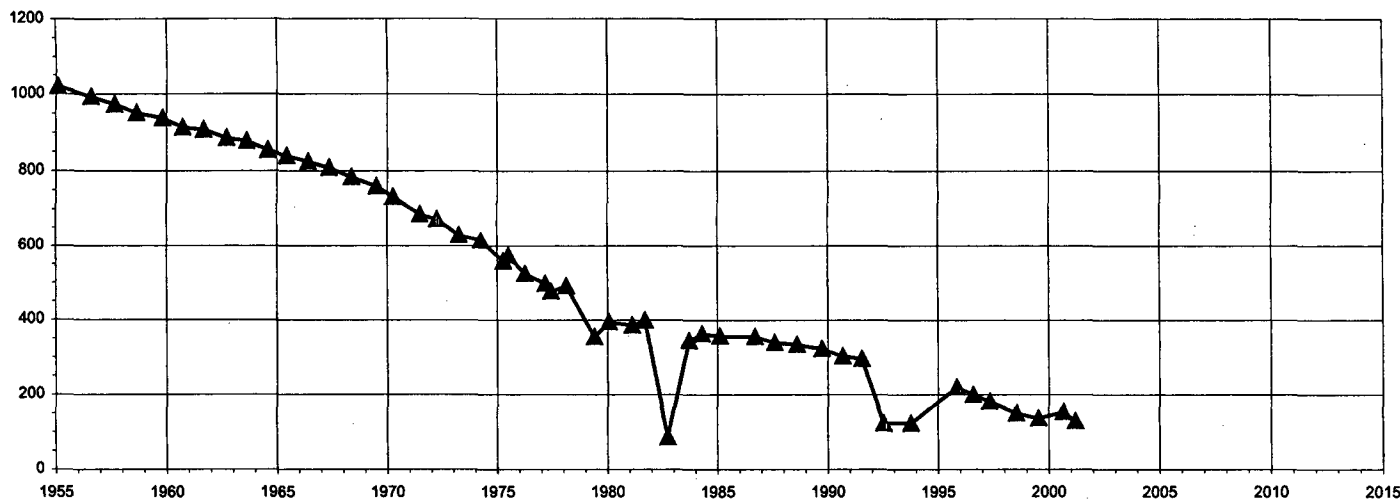
Water Production (BPM)



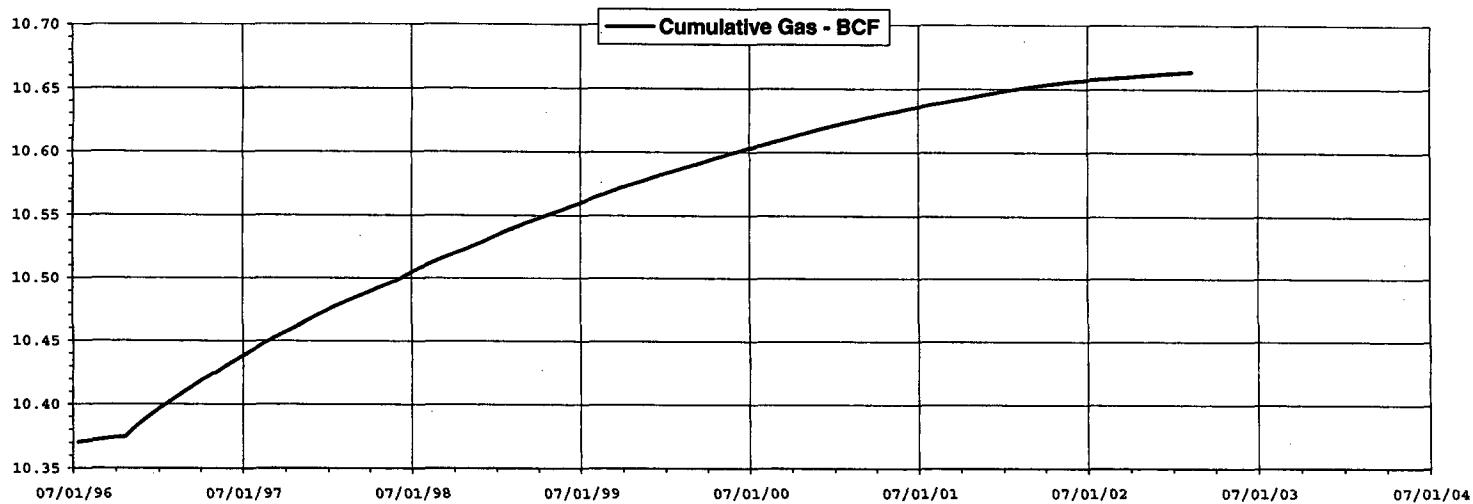
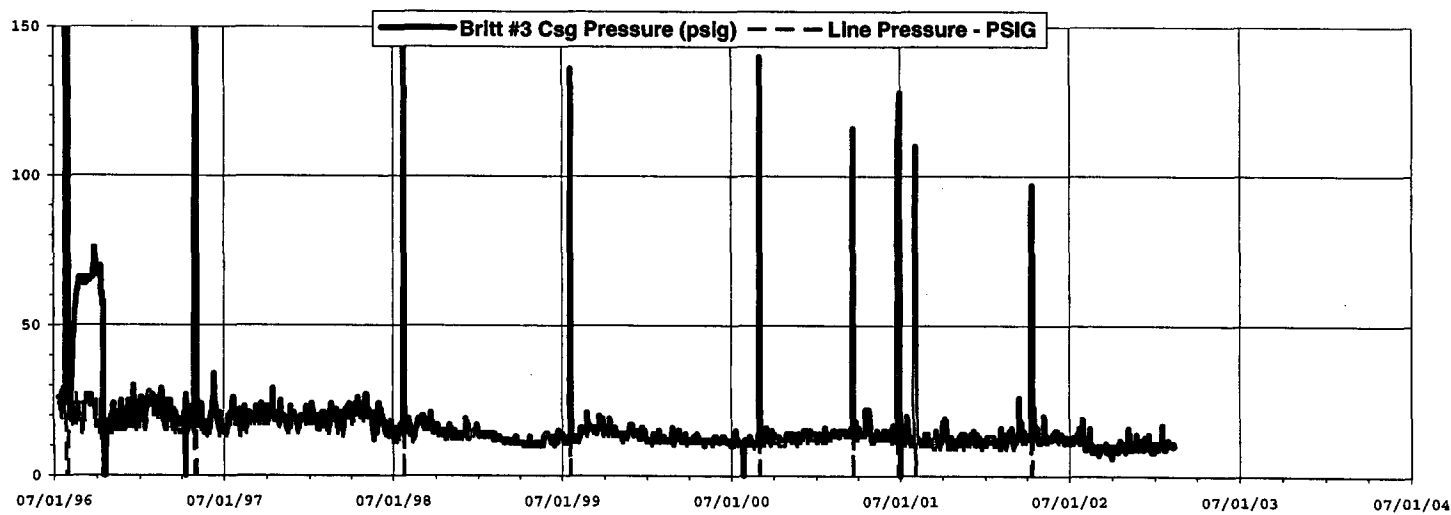
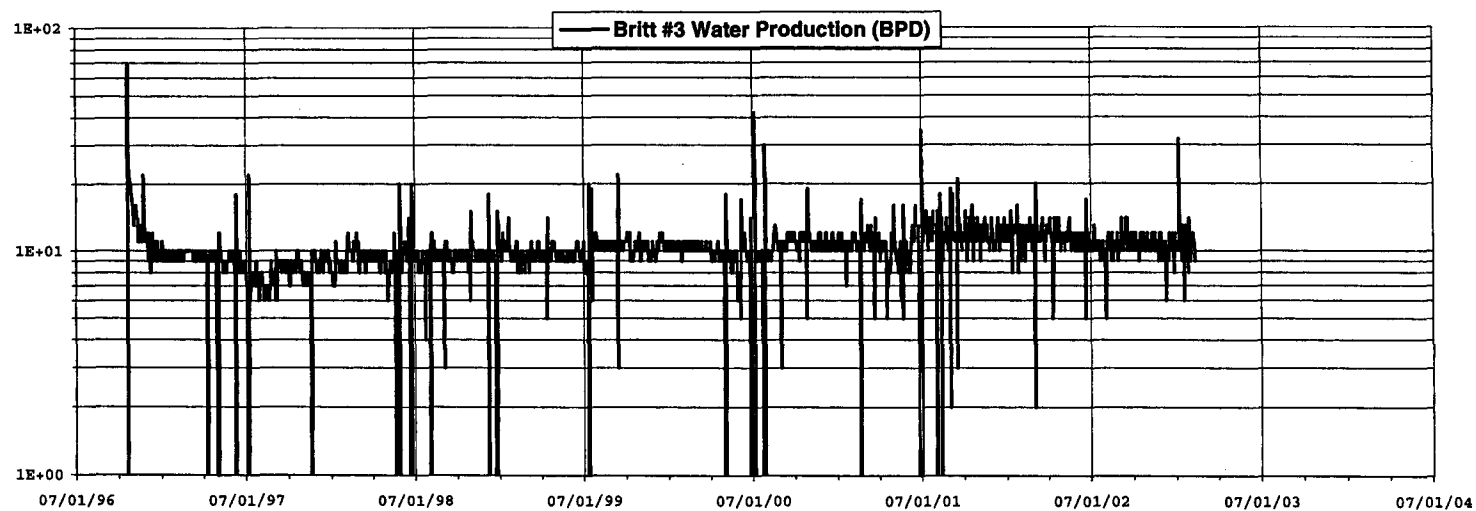
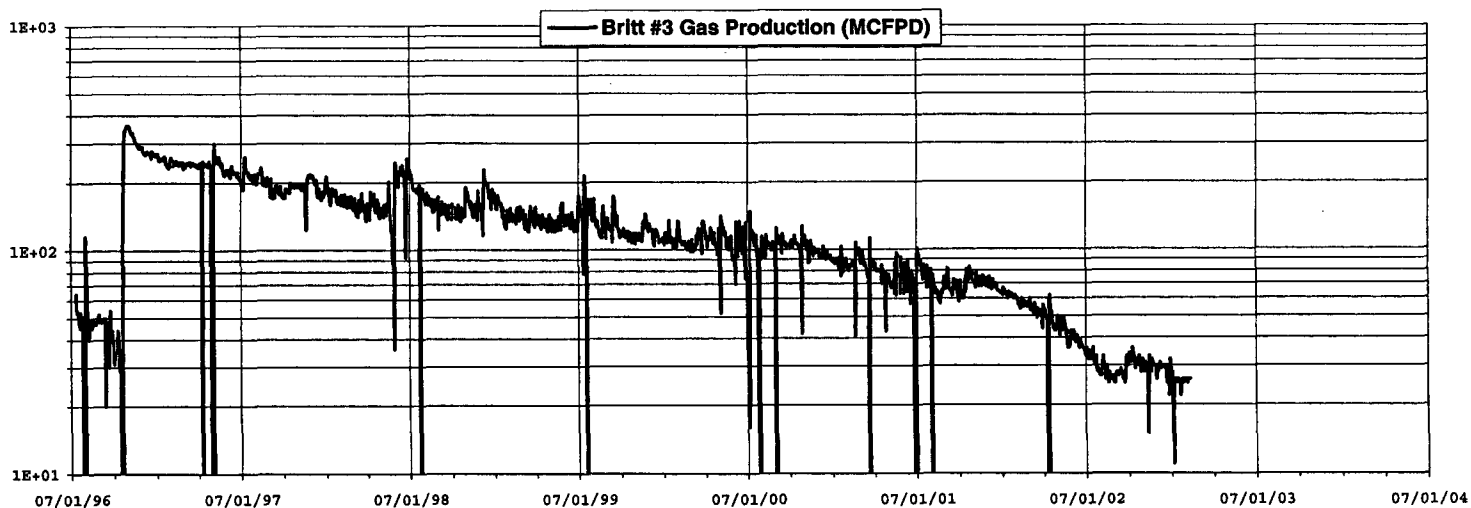
Cumulative Gas Production (BCF)



WHSIP (psia)



Britt #3
Eumont (Y-7R-Qn)
G-7-20S-37E
Doyle Hartman



02/10/03: 10.664 BCF 0.0 MBO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 12 2003

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

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Eumont (Y-7R-Qn)

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Lea, N.M.

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Doyle Hartman

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Case 13050

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Wellbore Integrity Test
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Title Engineer

Date 02/11/2003

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

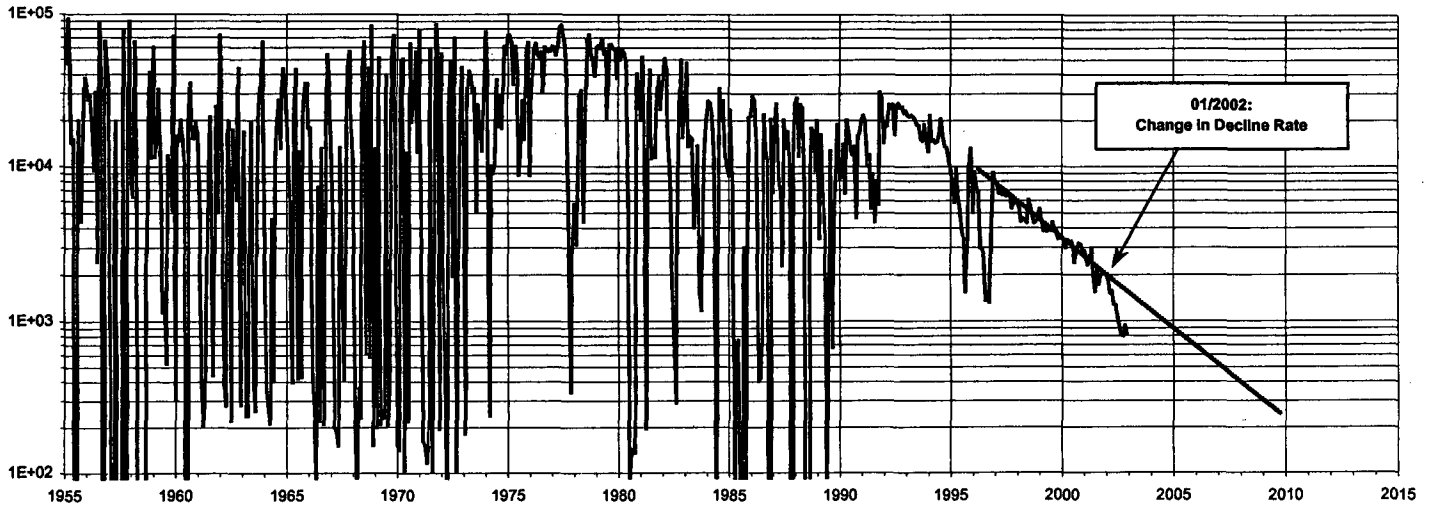
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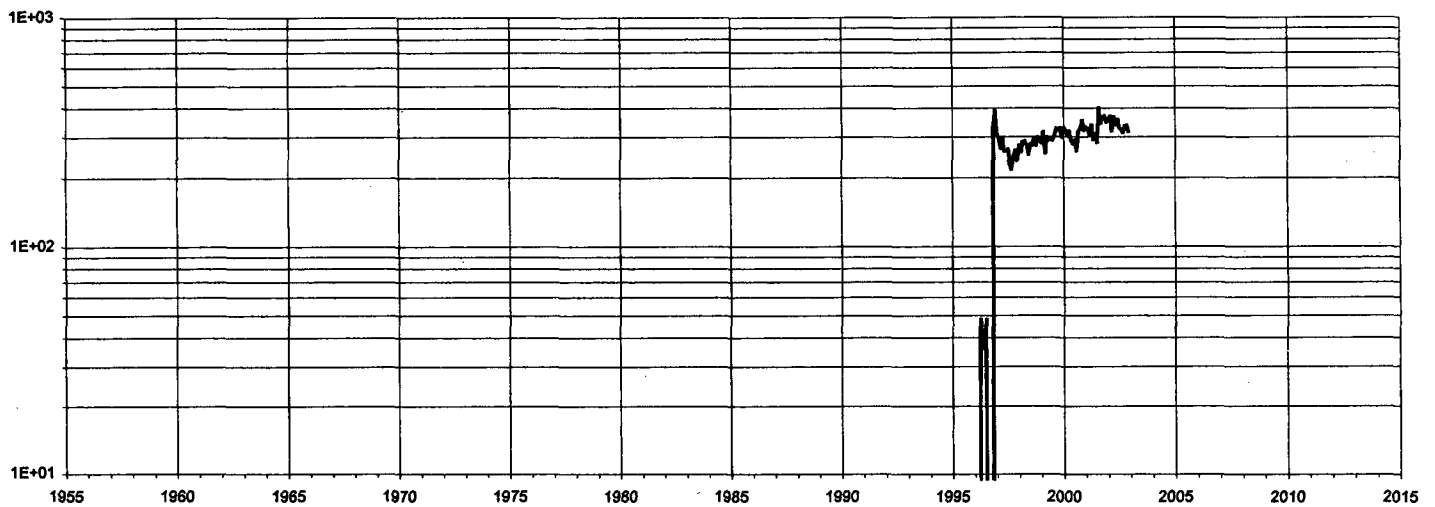
DIVIDER PAGE

Britt #3
Eumont (Yates/Seven Rivers/Queen)
G-07-20S-37E
Doyle Hartman

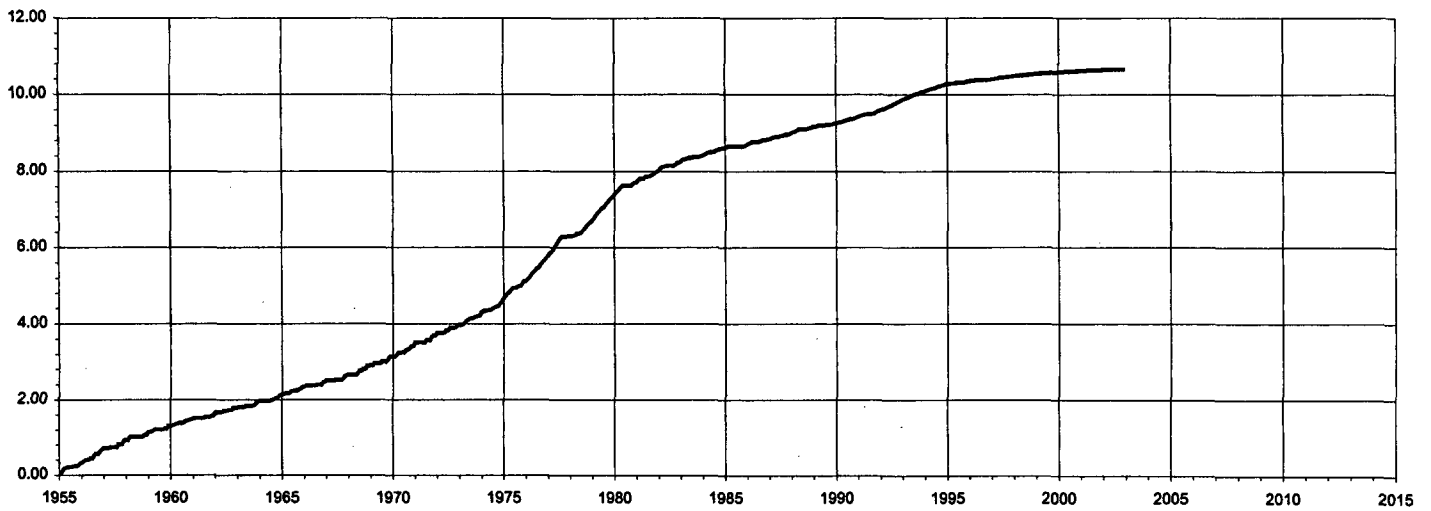
Gas Production (MCFPM)



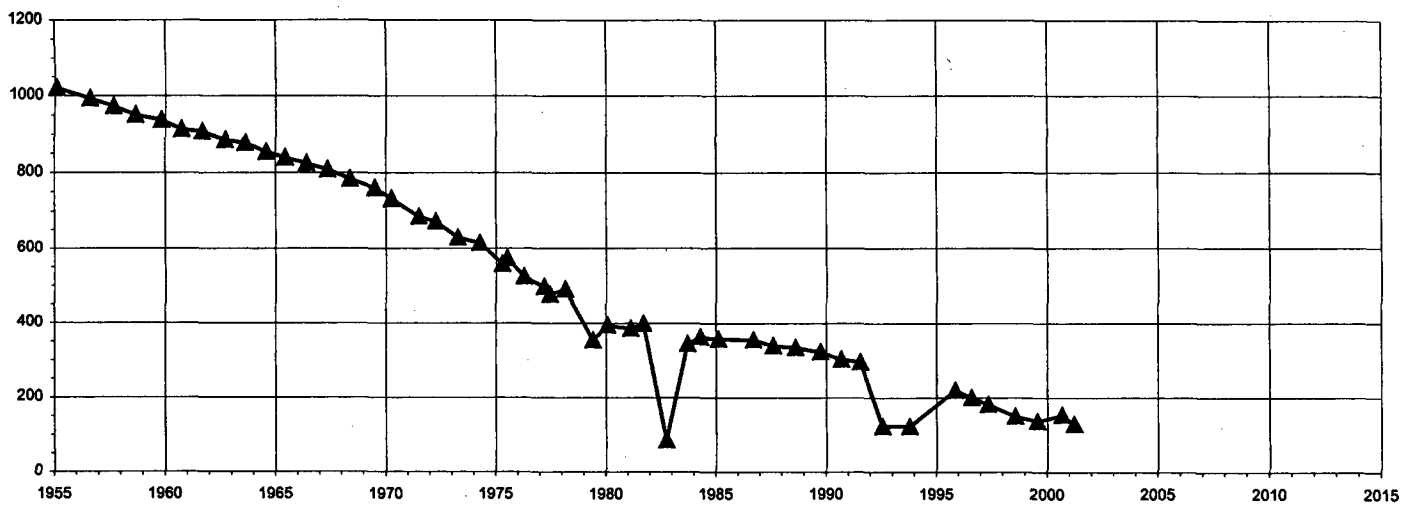
Water Production (BPM)



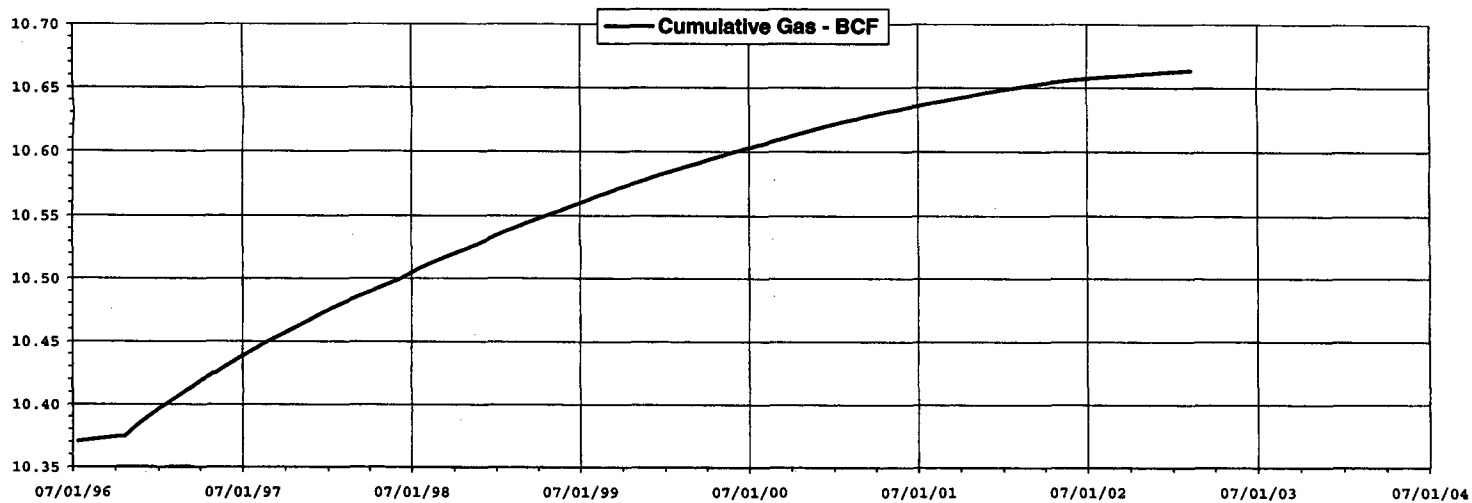
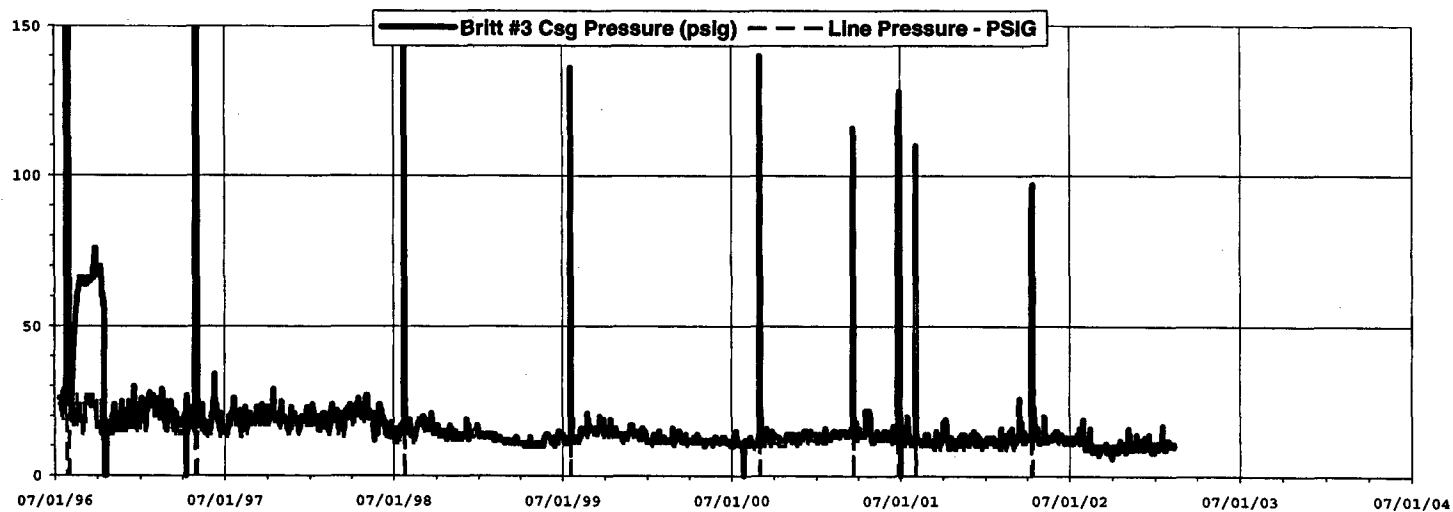
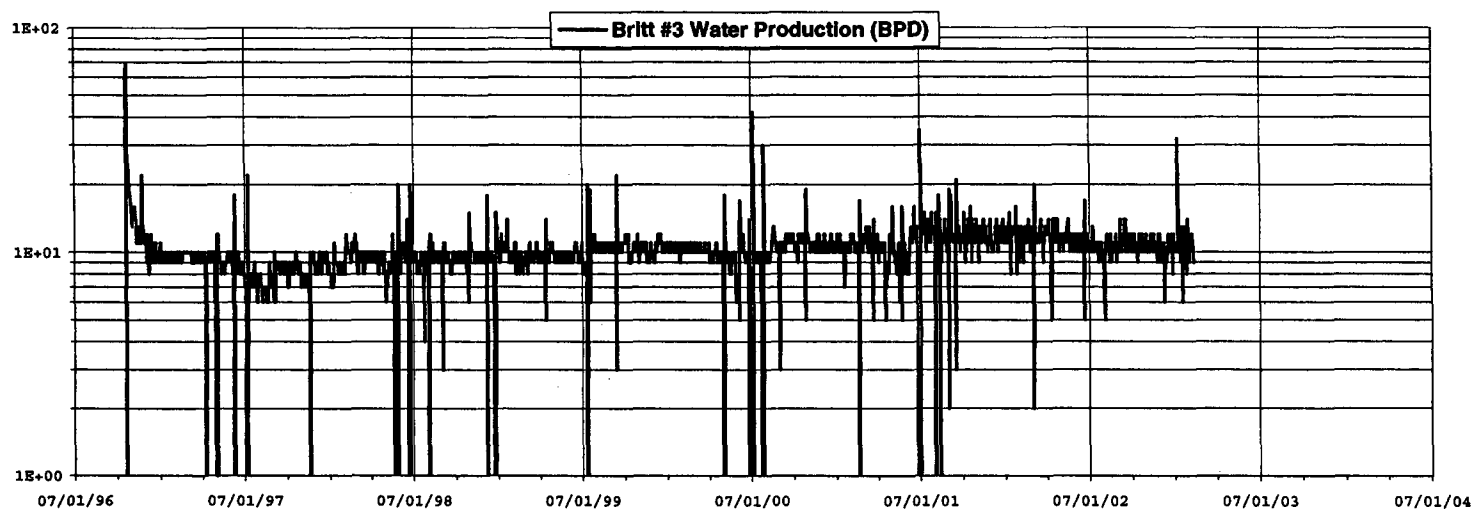
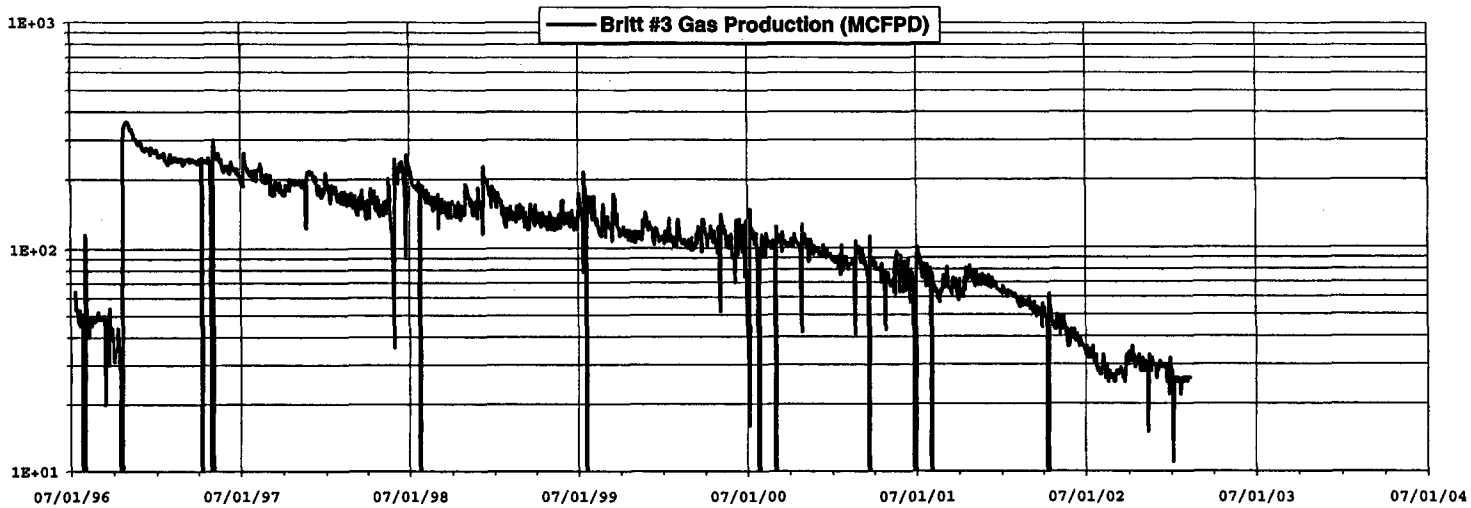
Cumulative Gas Production (BCF)



WHSIP (psia)



Britt #3
Eumont (Y-7R-Qn)
G-7-20S-37E
Doyle Hartman



02/10/03: 10.664 BCF 0.0 MBO

DOYLE HARTMAN

Oil Operator
500 NORTH MAIN
P.O. BOX 10426
MIDLAND, TEXAS 79702

(915) 684-4011
(915) 682-7616 FAX

February 10, 2003

Via Facsimile (505) 476-3462 and Via Facsimile (505) 476-3471

New Mexico Oil Conservation Division

1220 So. St. Francis Drive

Santa Fe, NM 87505

Attn: Michael E. Stogner, Chief Hearing Officer

Lori Wrotenbery, Director, Oil Conservation Division

Via Facsimile (505) 393-0720

Chris Williams, NMOCD District 1 Supervisor

New Mexico Oil Conservation Division

1625 French Drive

Hobbs, New Mexico 88240

Re: **Recently repaired and recompleted H.M. Britt Nos. 2 and 12 wells (C-7-20S-37E)**
Recently repaired and recompleted H.M. Britt No. 11 well (G-7-20S-37E)
Lea County, New Mexico

Ladies and Gentlemen:

Reference is made to your letter of February 5, 2003, which was received by us today, February 10, 2003 (copy enclosed), corresponding to the recently-repaired and recompleted Britt Nos. 2 and 12 wells (C-7-20S-37E) and Britt No. 11 well (G-7-20S-37E), Lea County, New Mexico.

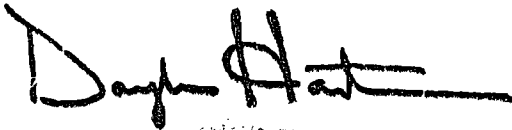
In regard to your letter of February 5, 2003, and after further review of our letter, to the NMOCD, of August 13, 2002, it is now apparent that our August 13, 2002 letter did not contain a sufficiently-detailed written discussion of the purpose of the repair and recompletion, of the Britt Nos. 2, 11, and 12 wells, located respectively in C-7-20S-37E and G-7-20S-37E, for which we apologize. Therefore, at this time, we are preparing a **substantially** more-detailed discussion of the history and sequence of the three repaired and recompleted wells, that are covered in your February 5, 2003 letter, which letters will be **promptly** forthcoming. Upon your receipt of the subject letters, we are confident that our more-detailed discussions will **satisfactorily** answer any questions that you may have regarding the need for and purpose of the repair and recompletion of the three subject wells.

New Mexico Oil Conservation Division
February 10, 2003
Page 2

Consequently, in the interim, your continued patience, for a short time longer, is respectfully requested.

Very truly yours,

Doyle Hartman, Oil Operator

A handwritten signature in black ink, appearing to read "Doyle Hartman", with a long horizontal flourish extending to the right.

Doyle Hartman
Owner

enclosures

cc: **Via FedEx**
J.E. Gallegos
Gallegos Law Firm
460 St. Michaels Drive, Building 300
Santa Fe, NM 87505

Via FedEx
James A. Davidson
201 W. Wall, Suite 600
Midland, TX 79701

DIVIDER PAGE



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

2/5/2003

Steve Hartman
Doyle Hartman Oil Operator
PO Box 10426
Midland, Texas 79702

Dear Mr. Hartman:

An inspection by the New Mexico Oil Conservation Division (NMOCD), Hobbs District has found that the H.M. Britt Well #2 (30-025-05990) and H.M. Britt #11 (30-025-05998) are producing. This is contrary to NMOCD Administrative Order NSL 4773(SD) Page 3 paragraph 3A and 3B. The request to simultaneously dedicate these wells to the 320 acre non-standard gas spacing unit was **denied**. The wells must be immediately shut in pending an application for hearing before an NMOCD examiner and a subsequent hearing order issued.

Sincerely,

A handwritten signature in cursive script that reads "Chris Williams".

Chris Williams
NMOCD District1 Supervisor

Oil Conservation Division * 1625 N. French Drive * Hobbs, New Mexico 88240
Phone: (505) 393-6161 * Fax (505) 393-0720 * <http://www.emnrd.state.nm.us>



FEB 10 2003