

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
Revised August 1999

APPROVAL PROCESS:

Administrative Hearing

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

X YES NO

Enron Oil & Gas

P.O. Box 2267, Midland, TX 79702

Operator

Address

Hallwood "1" Federal

Well No.

C - Sec. 1-T25S -R33E

Unit Ltr. - Sec - Twp - Rge

Lea

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 7377 Property Code 4056 API NO. 30- 025- 31649 Federal X, State, (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Vaca Draw Wolfcamp 86790		Pitchfork Ranch Morrow 82930
2. Top and Bottom of Pay Section (Perforations)	13525' - 13680'		14775' - 15335'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current) 4300	a.	a. 2000
Oil Zones - Artificial Lift: Gas & Oil - Flowing: Estimated Current All Gas Zones: Measured Current Estimated Or Measured Original	b. (Original) 10200	b.	b. 10,800
6. Oil Gravity (° API) or Gas BTU Content	Oil - 55 Dry Gas- 1619 BTU/cu. ft.		Dry Gas- 1058 BTU/ cu. ft.
7. Producing or Shut-In?	Producing		Shut-in
Production Marginal? (yes or no)	No		No
* If Shut-In, give date and oil/gas/ water rates of last production	Date: Rates:	Date: Rates:	Date: 03-19-99 Rates: 950 MCFD, 1 BOPD, 0 BWPD
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: 08-10-99 Rates: 1150 MCFD 60 BOPD 0 BWPD	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)			
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: 98 % Gas: 55 %	Oil: % Gas: %	Oil: 2 % Gas: 45 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? X Yes No
If not, have all working, overriding, and royalty interests been notified by certified mail? Yes No

11. Will cross-flow occur? Yes X No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. Yes No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? X Yes No

13. Will the value of production be decreased by commingling? Yes X No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE M. Lee Roark TITLE Engineer Tech DATE 08-18-99

TYPE OR PRINT NAME M. Lee Roark TELEPHONE NO. (915) 686-3608

District I
PO Box 1980, Hobbs, NM 88241-1980
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
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 25-31649	² Pool Code 86790	³ Pool Name Vaca Draw (Wolfcamp)
⁴ Property Code 4056	⁵ Property Name Hallwood "1" Federal Com	⁶ Well Number 1
⁷ OGRID No. 7377	⁸ Operator Name Enron Oil & Gas Company	⁹ Elevation 4056

¹⁰ Surface Location



UL or lot no. C	Section 1	Township 25S	Range 33E	Lot Idn	Feet from the 660	North/South line North	Feet from the 1980	East/West line West	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Mike Francis Printed Name Agent Title 4/9/1999 Date			
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number			

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

DISTRICT 1
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ENRON OIL AND GAS CO.		Lease HALLWOOD "1" FEDERAL COM.		Well No. 1
Unit Letter C	Section 1	Township 25 SOUTH	Range 33 EAST NMPM	County LEA
Actual Footage Location of Well:				
660 feet from the NORTH line and 1980 feet from the WEST line				
Ground Level Elev. 3464.7'	Producing Formation Morrow		Pool Pitchfork Ranch	Dedicated Acreage: N/2 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

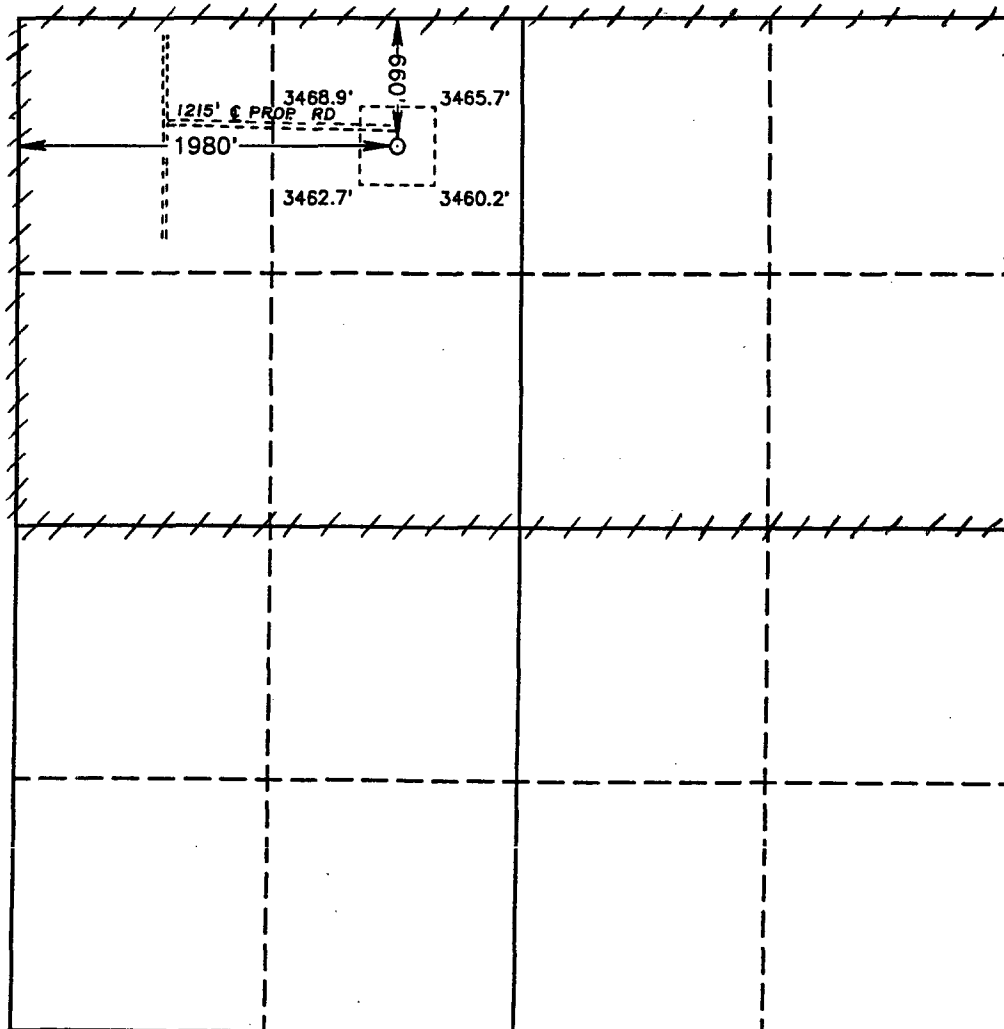
☒ Yes☐ No

If answer is "yes" type of consolidation

Communitization

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

No allowable will be assigned to the well unit all interests have been consolidated (by communization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify the the information
contained herein is true and complete to the
best of my knowledge and belief.

Signature _____

Signature Betty Wilson

Printed Name _____

Betty Gildon

Position

Enron Oil & Gas Company

Company

Enron Oil & Gas Company

Date _____

5/20/92

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

MAY 15, 1992

**Signature & Seal of
Professional Surveyor**

REGISTERED LAND SURVEYOR

John W. West

Certificate No. JOHN W. WEST 678

RONALD J. SIDOS 3239

MARY L. JONES 7977

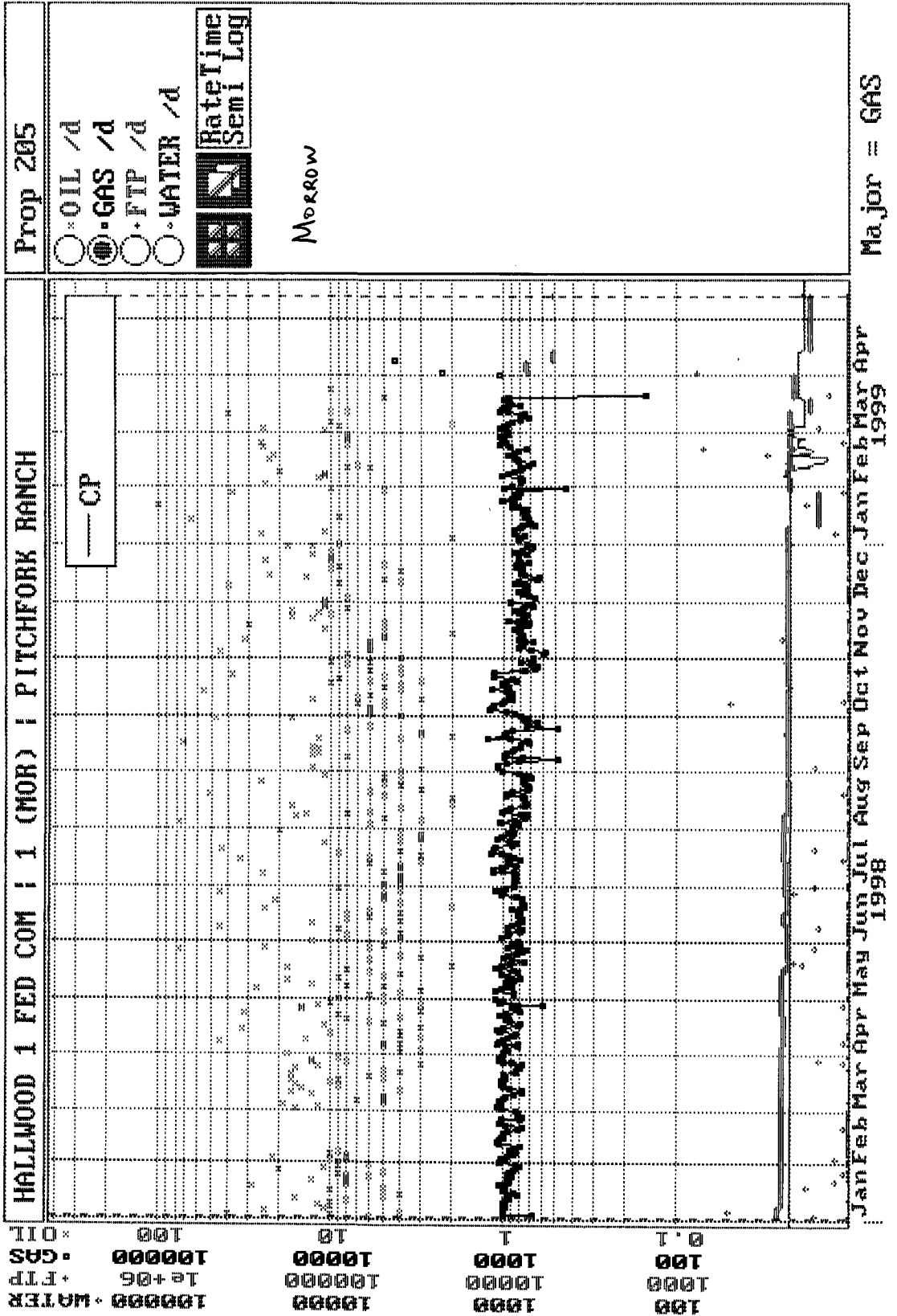
Certificate No

JOHN W. WEST 678

RONALD J. EIDSON 3239

61 FEB 11 1977

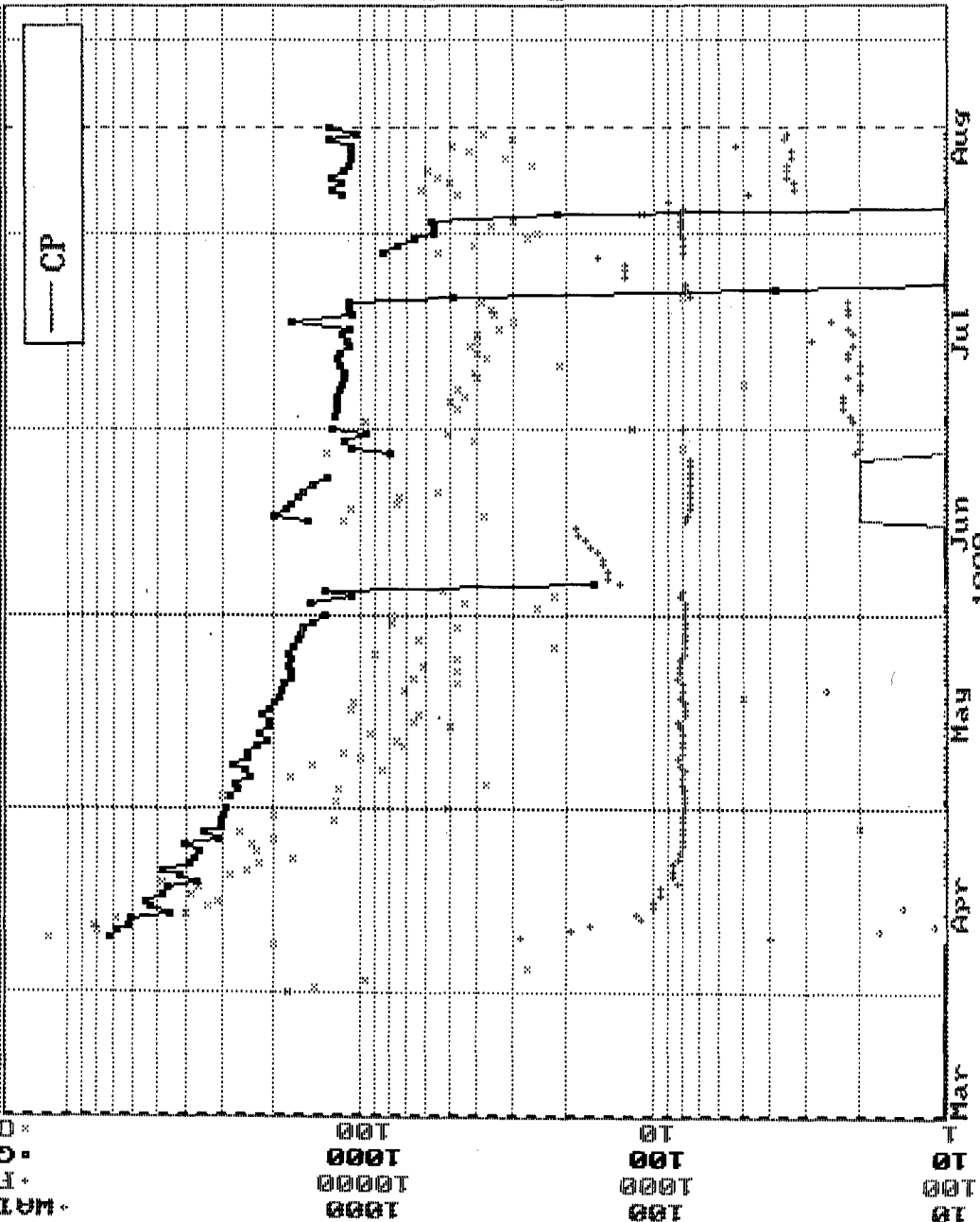
DAILY PRODUCTION



DAILY PRODUCTION

HALLWOOD 1 FED COM : 1 (RC) : PITCHFORK RANCH

WATER
FTP
GAS
OIL



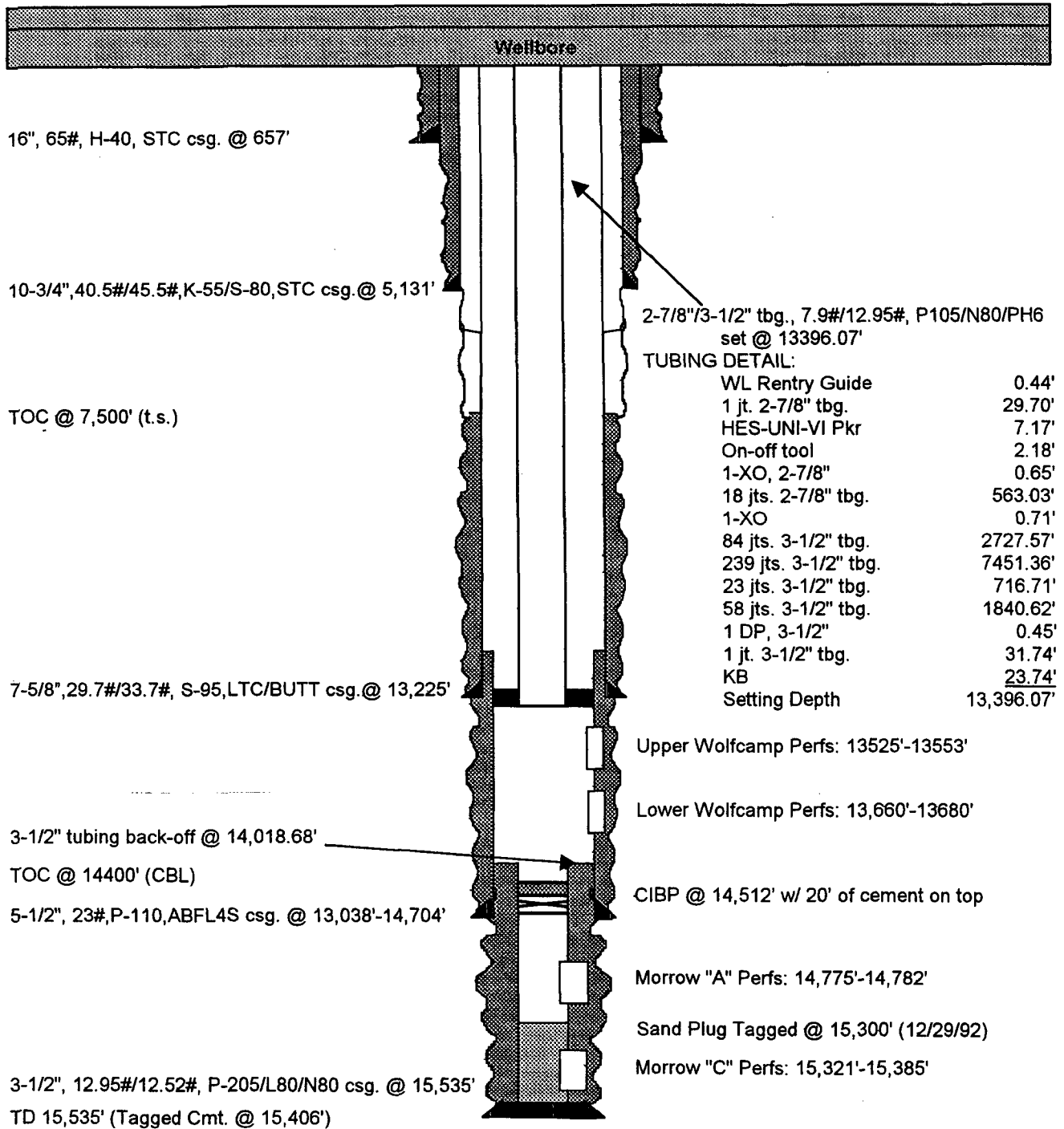
Prop 1056

- OIL /d
- GAS /d
- FTP /d
- WATER /d

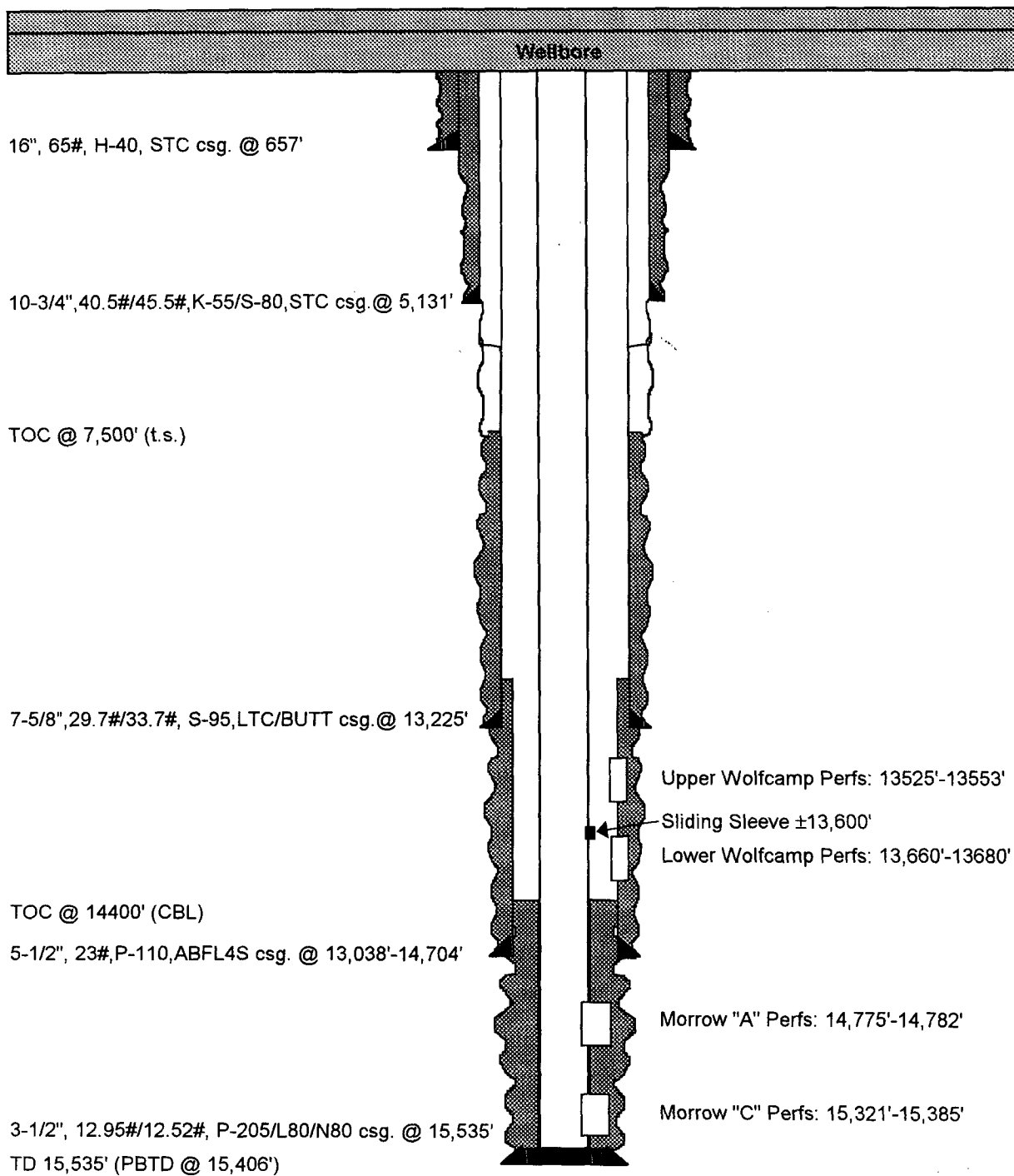
RateTime
Semi Log

Wolfcamp

Major = GAS

CURRENT
WELL SCHEMATIC

PROPOSED
WELL SCHEMATIC





**Enron Oil & Gas
Company**

P.O. Box 2267
Midland, TX 79702
(915) 686-3600

August 18, 1999

United States Bureau of Land Management
2909 W. 2nd Street
Roswell, New Mexico 88201

REF: Hallwood "1" Federal No. 1
API:30-025-31649
Sec.1-T25S-R33E, Lea Co., NM

To Whom It May Concern:

Enron Oil & Gas Company is requesting the approval from the New Mexico Oil Conservation Division to commingle the Morrow and Wolfcamp zones in the above referenced well.

If you have any questions, please contact me at (915)686-3608.

Sincerely,

M. Lee Roark
Engineer Tech

Attachments: OCD Form C-107-A

Is your **RETURN ADDRESS** completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
 - 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

United States Bureau of Land
Management
2409 W. 2nd Street
Roswell, NM 88201

4a. Article Number

P 497 360 463

4b. Service Type

- ☒ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 497 360 463

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for international mail (RM 3811-100-01).
Postage

BLM
2409 W 2nd St
Roswell, NM 88201

Post Office, State, & ZIP Code

Postage \$ 0.55

Certified Fee 1.40

Special Delivery Fee Reg 6.00

Restricted Delivery Fee

Return Receipt Showing to Whom & Date Delivered 1.25

Return Receipt Showing to Whom, Date, & Addressee's Address

TOTAL Postage & Fees \$ 9.20

Postmark or Date 8-19-99

585 2nd 7 0082 100-1-94



Enron Oil & Gas Co.
4000 N. Big Spring, Ste. 500
Midland, TX 79705

P 497 360 463



UNITED STATES BUREAU OF LAND MANAGEMENT
2909 W. 2ND STREET
ROSWELL, NM 88201