

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

X YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Enron Oil & Gas P.O. Box 2267, Midland, TX 79702
Operator Address

Hallwood "1" Federal 1 C - Sec. 1-T25S -R33E Lea
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

OGRID NO. 7377 Property Code 4056 API NO. 30- 025- 31649 Spacing Unit Lease Types: (check 1 or more)
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		Pitchfork Ranch Morrow
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 Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 4300 b. (Original) 10200	a. b.	a. 2000 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 Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: 03-19-99 Rates: 950 MCFD, 1 BOPD, 0 BWPD
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 08-10-99 Rates: 1150 MCFD 60 BOPD 0 BWPD	Date: Rates:	Date: Rates:
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?
If not, have all working, overriding, and royalty interests been notified by certified mail? X Yes ___ No
___ 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 1990, Hobbs, NM 88241-1990

District II

PO Drawer 101, Artesia, NM 88203-10019

District III

1000 Rio Grande Rd., Aztec, NM 87410

District IV

PO Box 1088, Santa Fe, NM 87504-1088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form O-102

Revised February 10, 1994

Instructions on back
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 10 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number 5-31-49		Pool Code 8790		Pool Name Vaca Draw (workcamp)					
Property Code 4055		Property Name Hallwood "1" Tract				Well Number 1			
OGRID No 7377		Operator Name Enron Oil & Gas Company				Elevation 4055			
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
		55	33			North	1980	West	Lea
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill		Consolidation Code		Display			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD TRIP HAS BEEN APPROVED BY THE DIVISION

	12 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Mike Francis</u> Printed Name: Mike Francis Title: Agent Date: 4/9/1999	
	13 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 belief. Date of survey: Signature and Seal of Professional Surveyor: 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

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

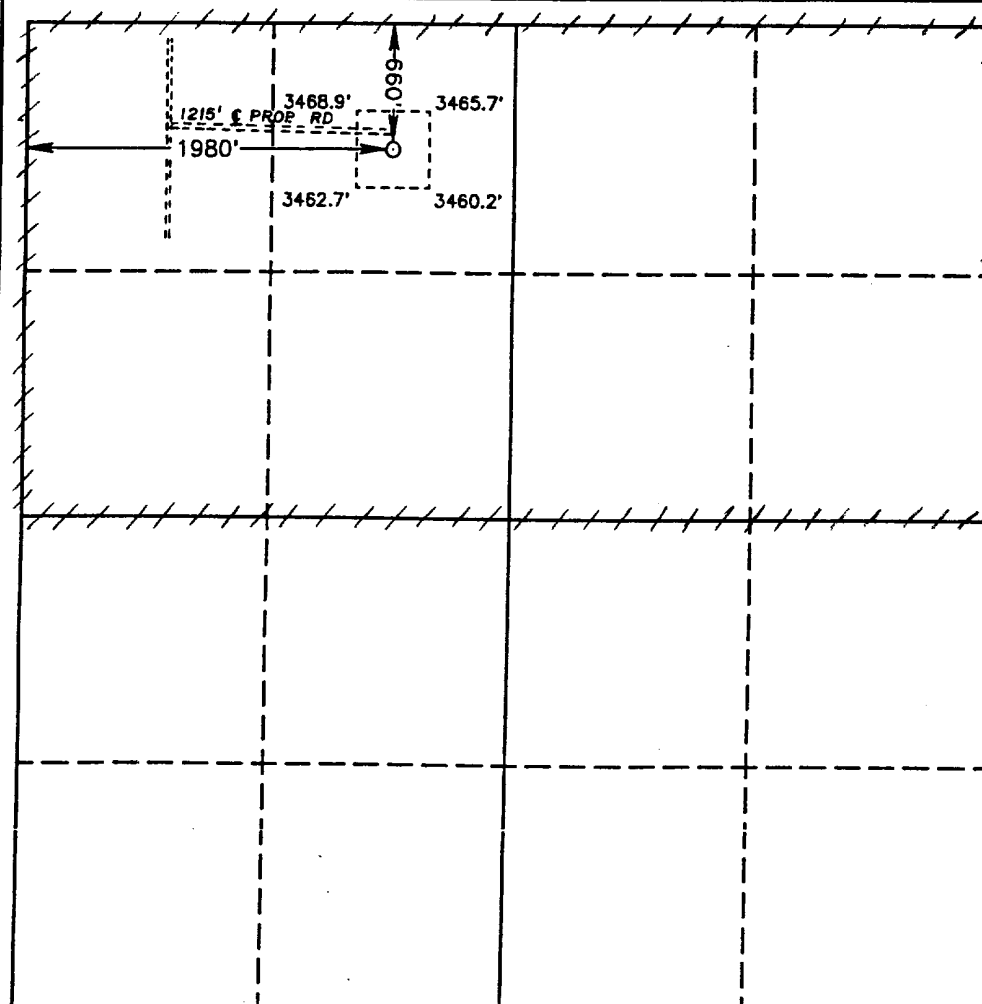
All Distances must be from the outer boundaries of the section

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 hachure 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 communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Betty Gildon
Printed Name
Betty Gildon
Position
Enron Oil & Gas Company
Company
Enron Oil & Gas Company
Date
5/20/92

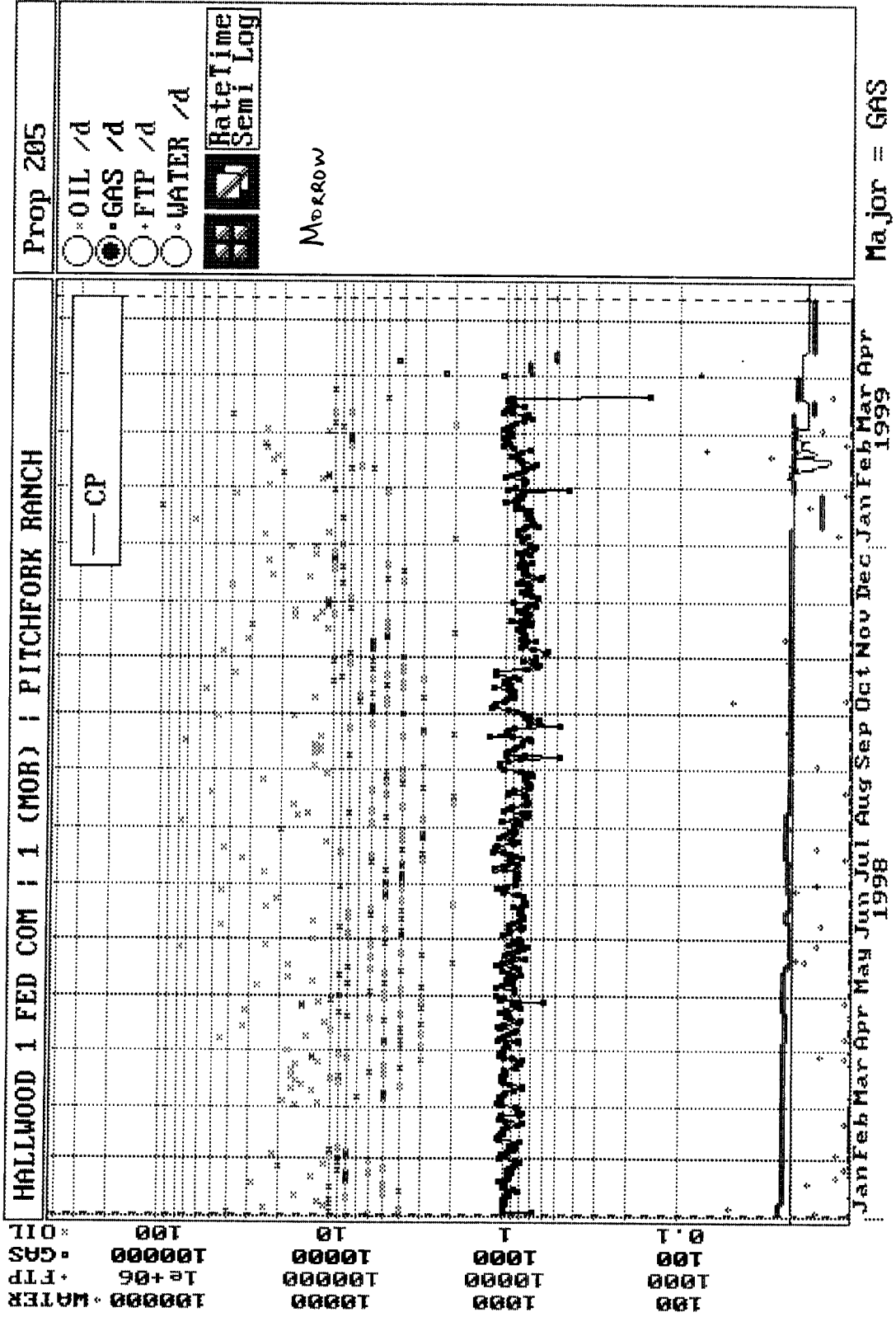
SURVEYOR CERTIFICATION

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, 676
RONALD E. JONES, 3238
MICHAEL A. JONES, 7977

DAILY PRODUCTION



DAILY PRODUCTION

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

Prop 1056

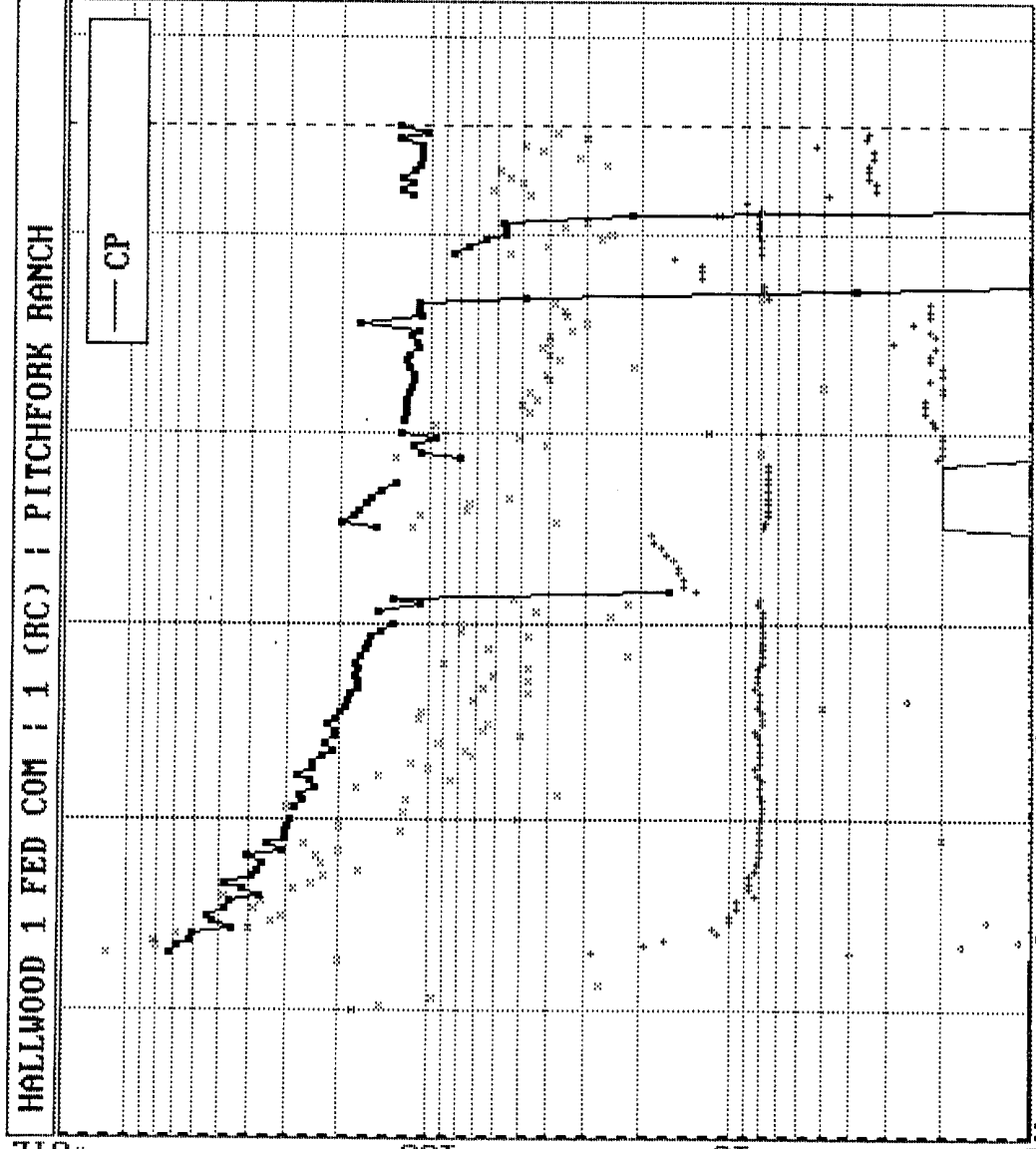
• WATER
• FTP
• GAS
• OIL

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

RateTime
Semi Log

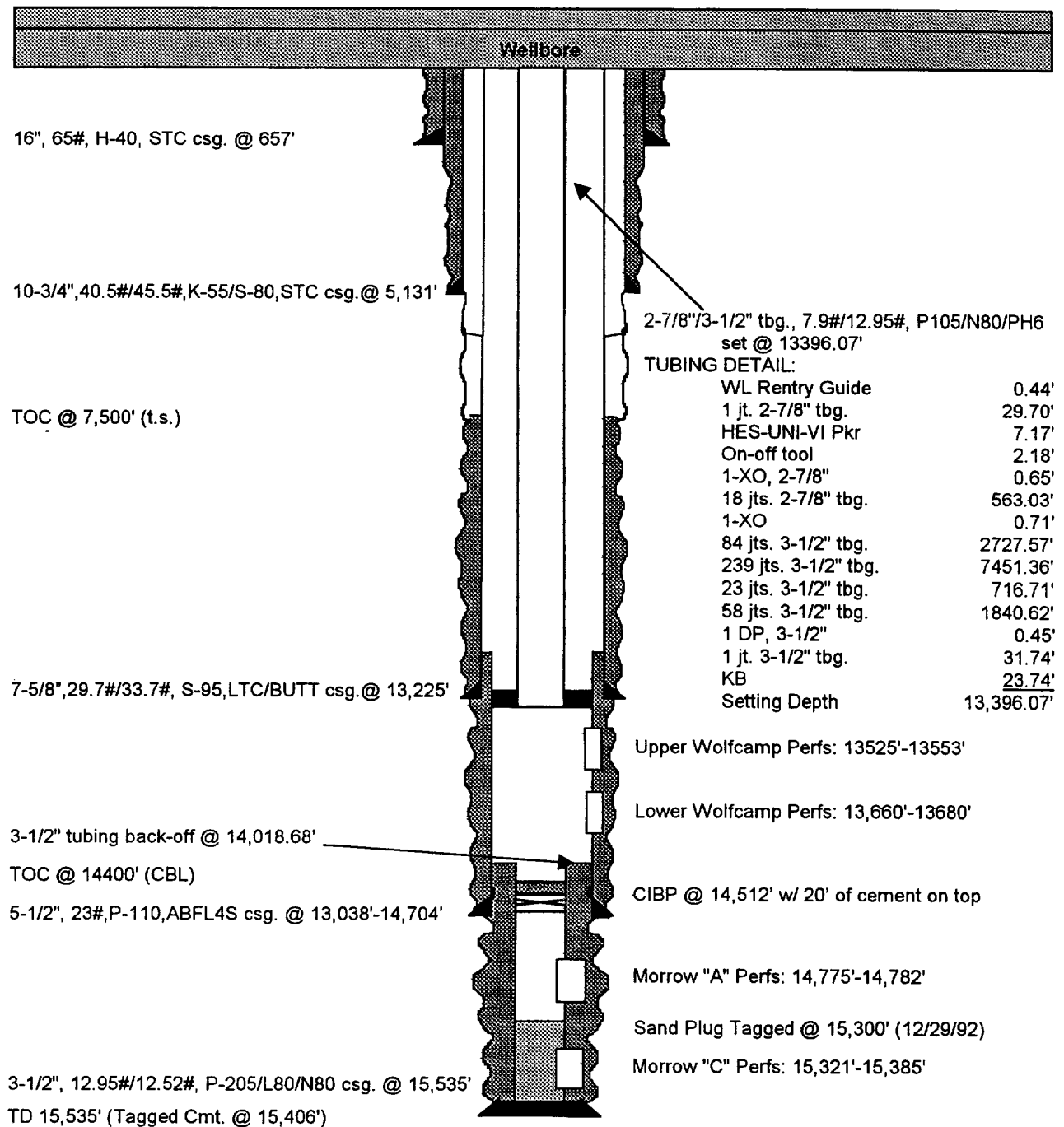
Wolfcamp

— CP



Major = GAS

CURRENT
 WELL SCHEMATIC



PROPOSED
WELL SCHEMATIC

