



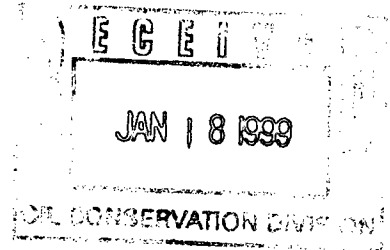
DHC 2/8/99
2190

Mid-Continent Region
Exploration/Production

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500
(915) 686-5400

January 15, 1998

David Catanach
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87504



RE: Amend previously submitted (December 2, 1998) C-107A/
Downhole Commingle Application
Britt B # 28
API 30-025-30470
Section 15, T-20-S, R-37-E, K
2280' FSL & 2020' FWL
Lease # LC 031621B
Lea County, NM

ASC 12-898
REL 12-28-98

Dear David,

On December 2, 1998 Conoco, Inc. submitted a C-107A application on the above referenced well. On this application the allocation method requested was using a fixed percentage. Upon further evaluation, the engineers have concluded that based on the differences in the gas decline curves, the accurate allocation method used should be subtraction. Conoco is submitting to you at this time an amended C-107A application changing only the method of allocation and enclosing back up data supporting this change.

If you have any further questions regarding this application please feel free to call me @ (915) 686-5798. I apologize for any inconvenience this has caused.

Sincerely,

Kay Maddox
Regulatory Agent – Conoco, Inc.

Cc: BLM – Roswell
OCD- Hobbs

DATE IN

SUSPENSE

ENGINEER

LOGGED BY

TYPE

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply[A] ☐ Working, Royalty or Overriding Royalty Interest Owners[B] ☒ Offset Operators, Leaseholders or Surface Owner[C] ☐ Application is One Which Requires Published Legal Notice[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox

Print or Type Name

Signature

Regulatory Agent

Title

Date

1/15/99

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241 1980

DISTRICT II
811 Southl First St. Artesia NM 88210 2835

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410 1693

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
New 3-12-96

APPROVAL PROCESS:
☒ Administrative ☐ Hearing

EXISTING WELLBORE
☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Conoco Inc. Address 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease Britt B Well No #28 Unit Ltr Sec Twp Rge Section 15, T-20-S, R-37-E, K County Lea

OGRID NO. 005073 Property Code 02999 API NO. 30-025-30470 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ 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	80 AC. Monument Tubb 222 0 47090 1990 638		Skaggs Abo 84510 85410 (6AS)
2. TOP and Bottom of Pay Section (Perforations)	6332-6523'		7053-7059'
3. Type of production (Oil or Gas)	Oil		Gas
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	600		1000
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	850		1450
6. Oil Gravity (°API) or Gas BT Content	37.5		1050
7. Producing or Shut-In?	Producing		Shut-in
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In give date and oil/gas/ water rates of last production	Date Rates	Date Rates	Date Rates 5/92 0 BO/0 BW/48 MCFPD
Note For new zones with no production history applicant shall be required to attach production estimates and supporting data			
• If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Date Rates 10/3/98 2 BO/5 BW/26 MCFPD Allocate Prod based on Subtraction-See table	Date Rates	Date Rates
8. Fixed Percentage Allocation Formula - % for each zone	Oil: % Gas %	Oil: % Gas %	Oil: % Gas %

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? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No
11. Will cross-flow occur? ☐ Yes ☒ 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 others ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ 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. ☒ 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 all offset operators.
 - * Notification list of working, overriding and royalty interests for uncommon interest cases.
 - * Any additional statements, data, or documents required to support commingling.

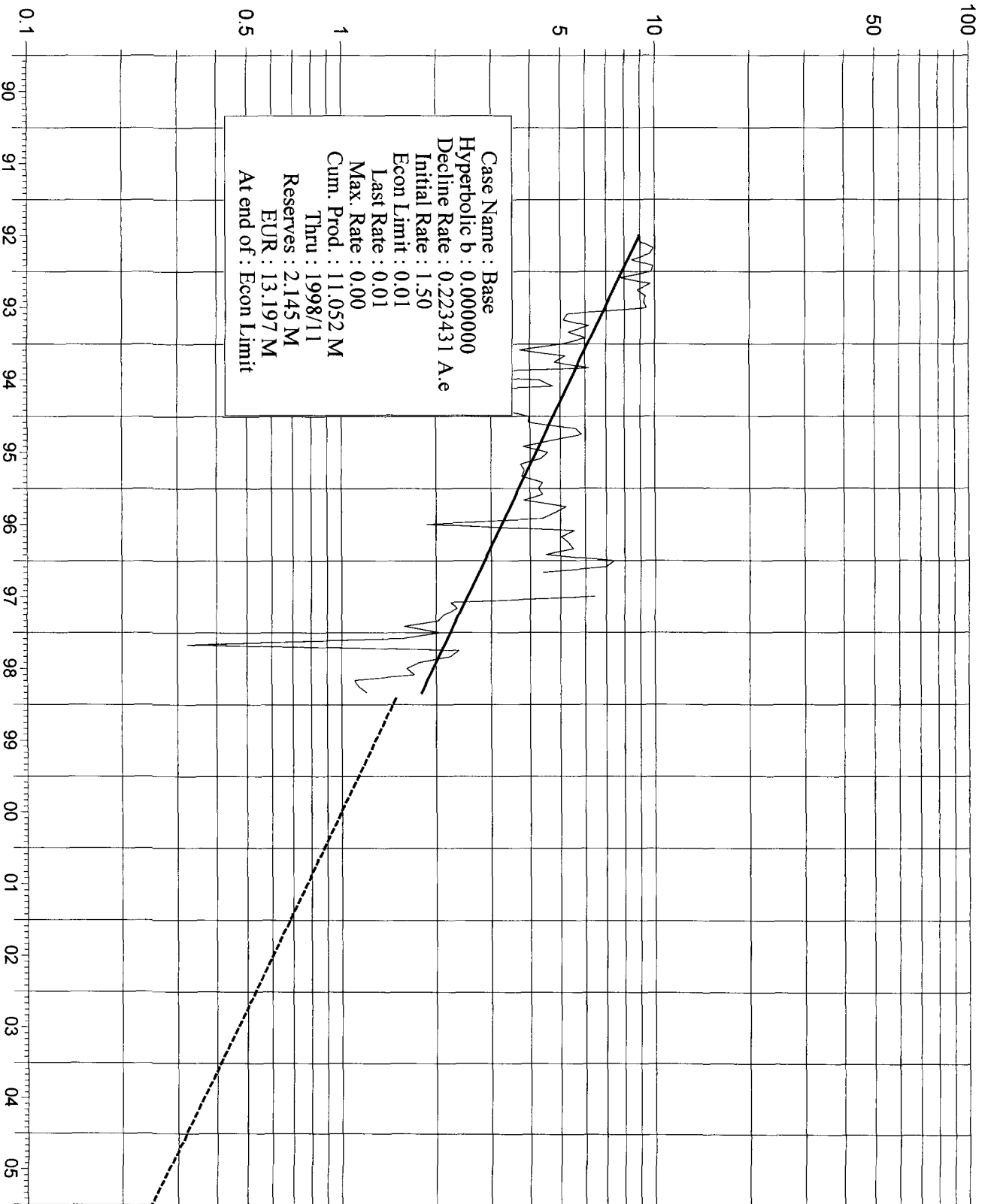
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE January 15, 1999

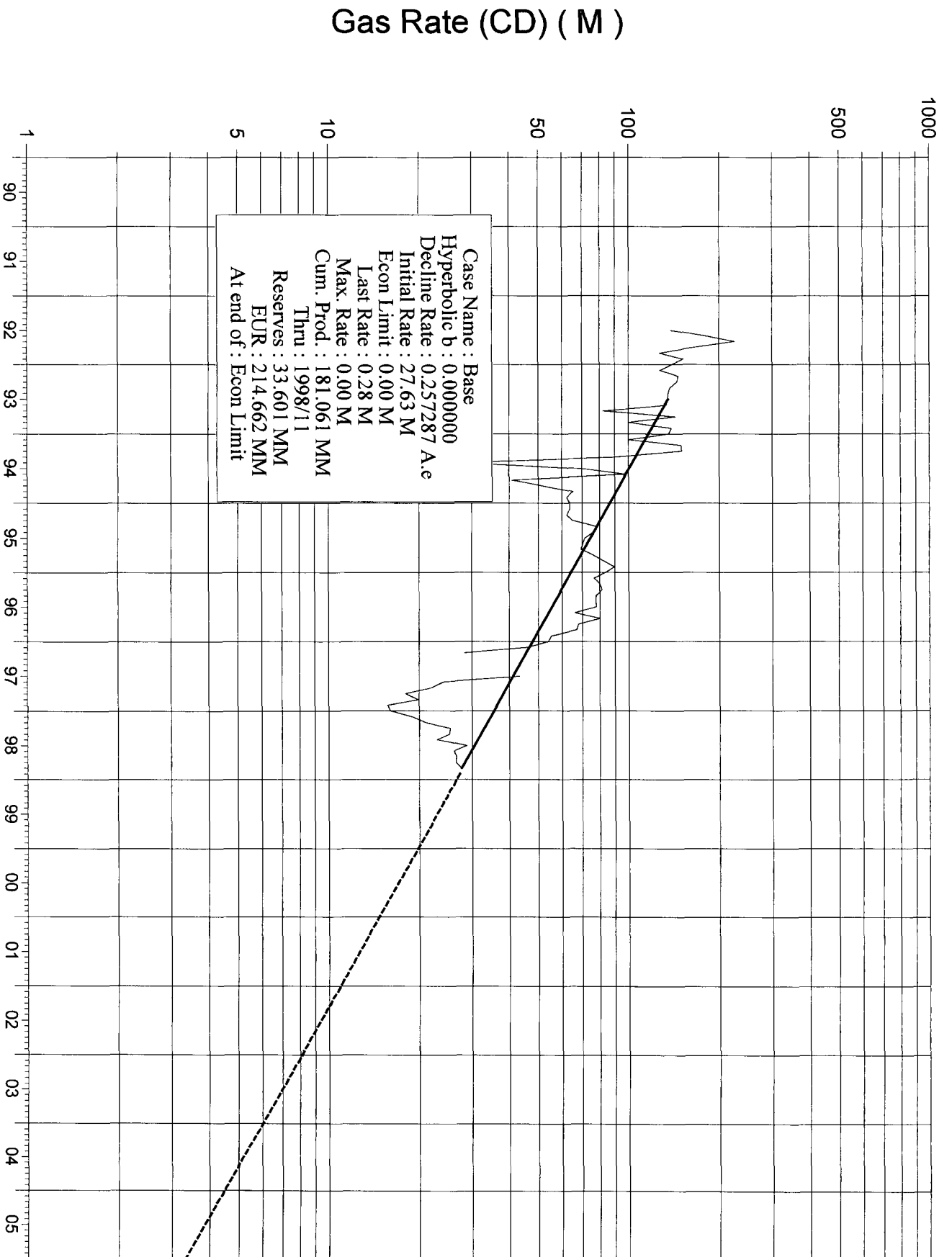
TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

Britt B 28 : Tubb

Oil Rate (CD)



Britt B 28 : Tubb



Britt B 28 Tubb Production

End of DATE	Instant Rate Mscf/d	Instant Rate bbls/d
-----	-----	-----
1999/ 6	23.23	1.29
2000/ 6	17.25	1.01
2001/ 6	12.82	0.78
2002/ 6	9.52	0.61
2003/ 6	7.07	0.47
2004/ 6	5.25	0.37
2005/ 6	3.9	0.28

BRITT_B_28:TB

@LoadName(	DATE	Oil Rate	Water Rate	Gas Rate M
BRITT_B_28	19930101	302	960	4315
BRITT_B_28	19930201	218	693	3556
BRITT_B_28	19930301	300	954	4530
BRITT_B_28	19930401	264	840	4345
BRITT_B_28	19930501	290	922	4247
BRITT_B_28	19930601	276	878	4061
BRITT_B_28	19930701	291	925	4174
BRITT_B_28	19930801	163	978	4133
BRITT_B_28	19930901	153	918	2459
BRITT_B_28	19931001	191	1146	4443
BRITT_B_28	19931101	159	954	2983
BRITT_B_28	19931201	186	1116	4307
BRITT_B_28	19940101	156	936	4216
BRITT_B_28	19940201	104	624	2792
BRITT_B_28	19940301	161	966	4638
BRITT_B_28	19940401	144	864	4504
BRITT_B_28	19940501	191	1282	2790
BRITT_B_28	19940601	45	264	813
BRITT_B_28	19940701	133	778	2151
BRITT_B_28	19940801	147	860	3021
BRITT_B_28	19940901	60	420	1224
BRITT_B_28	19941001	81	567	1596
BRITT_B_28	19941101	100	700	1957
BRITT_B_28	19941201	103	721	1927
BRITT_B_28	19950101	123	830	1970
BRITT_B_28	19950201	111	749	1784
BRITT_B_28	19950301	173	865	1928
BRITT_B_28	19950401	175	875	1944
BRITT_B_28	19950501	146	818	2414
BRITT_B_28	19950601	114	638	2284
BRITT_B_28	19950701	141	790	2216
BRITT_B_28	19950801	134	750	2180
BRITT_B_28	19950901	112	728	2078
BRITT_B_28	19951001	119	893	2374
BRITT_B_28	19951101	113	876	2476
BRITT_B_28	19951201	136	1258	2782
BRITT_B_28	19960101	132	1023	2598
BRITT_B_28	19960201	127	953	2223
BRITT_B_28	19960301	118	826	2491
BRITT_B_28	19960401	156	624	2446
BRITT_B_28	19960501	149	745	2405
BRITT_B_28	19960601	131	681	2331
BRITT_B_28	19960701	58	23	2409
BRITT_B_28	19960801	172	323	2050
BRITT_B_28	19960901	151	680	2409
BRITT_B_28	19961001	164	738	2105
BRITT_B_28	19961101	165	743	2011
BRITT_B_28	19961201	139	626	1710
BRITT_B_28	19970101	230	536	1672
BRITT_B_28	19970201	195	341	1279
BRITT_B_28	19970301	136	238	878
BRITT_B_28	19970401	0	0	0
BRITT_B_28	19970501	274	480	1676
BRITT_B_28	19970601	0	0	0
BRITT_B_28	19970701	199	348	1342
BRITT_B_28	19970801	69	173	748

BRITT_B_28:TB

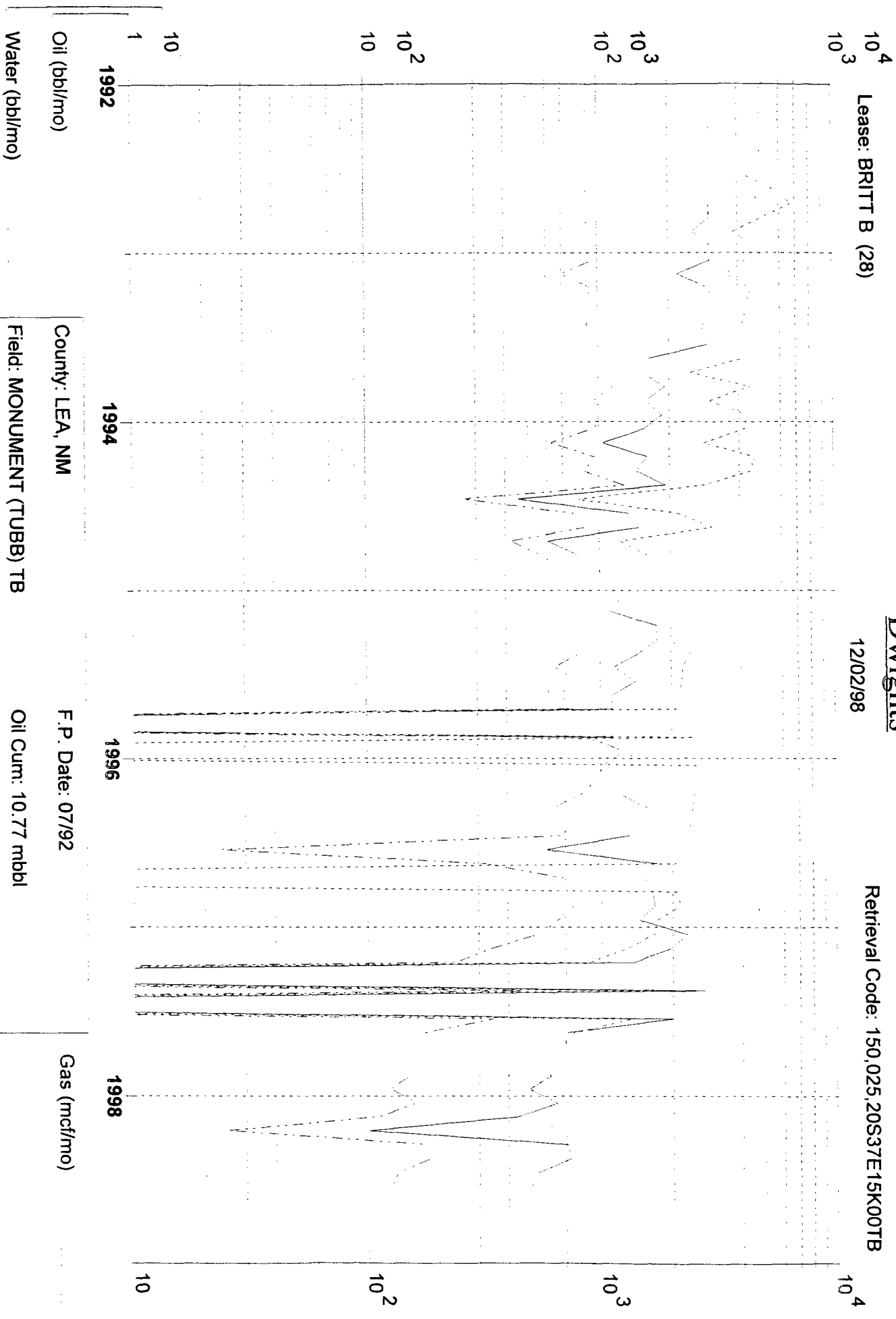
@LoadName(	DATE	Oil Rate	Water Rate	Gas Rate M
BRITT_B_28	19970901	70	175	657
BRITT_B_28	19971001	66	165	559
BRITT_B_28	19971101	61	153	598
BRITT_B_28	19971201	49	123	487
BRITT_B_28	19980101	64	160	496
BRITT_B_28	19980201	44	110	531
BRITT_B_28	19980301	10	25	649
BRITT_B_28	19980401	71	178	760
BRITT_B_28	19980501	73	183	784
BRITT_B_28	19980601	53	133	686
BRITT_B_28	19980701	50	125	894
BRITT_B_28	19980801	53	133	810
BRITT_B_28	19980901	31	78	798

Dwights

Lease: BRITT B (28)

12/02/98

Retrieval Code: 150,025,20S37E15K00TB



Oil (bbl/mo)

Water (bbl/mo)

County: LEA, NM

Field: MONUMENT (TUBB) TB

Reservoir: TUBB

Operator: CONOCO INC

F.P. Date: 07/92

Oil Cum: 10.77 mbbl

Gas Cum: 170.3 mmcf

Location: 15K 20S 37E

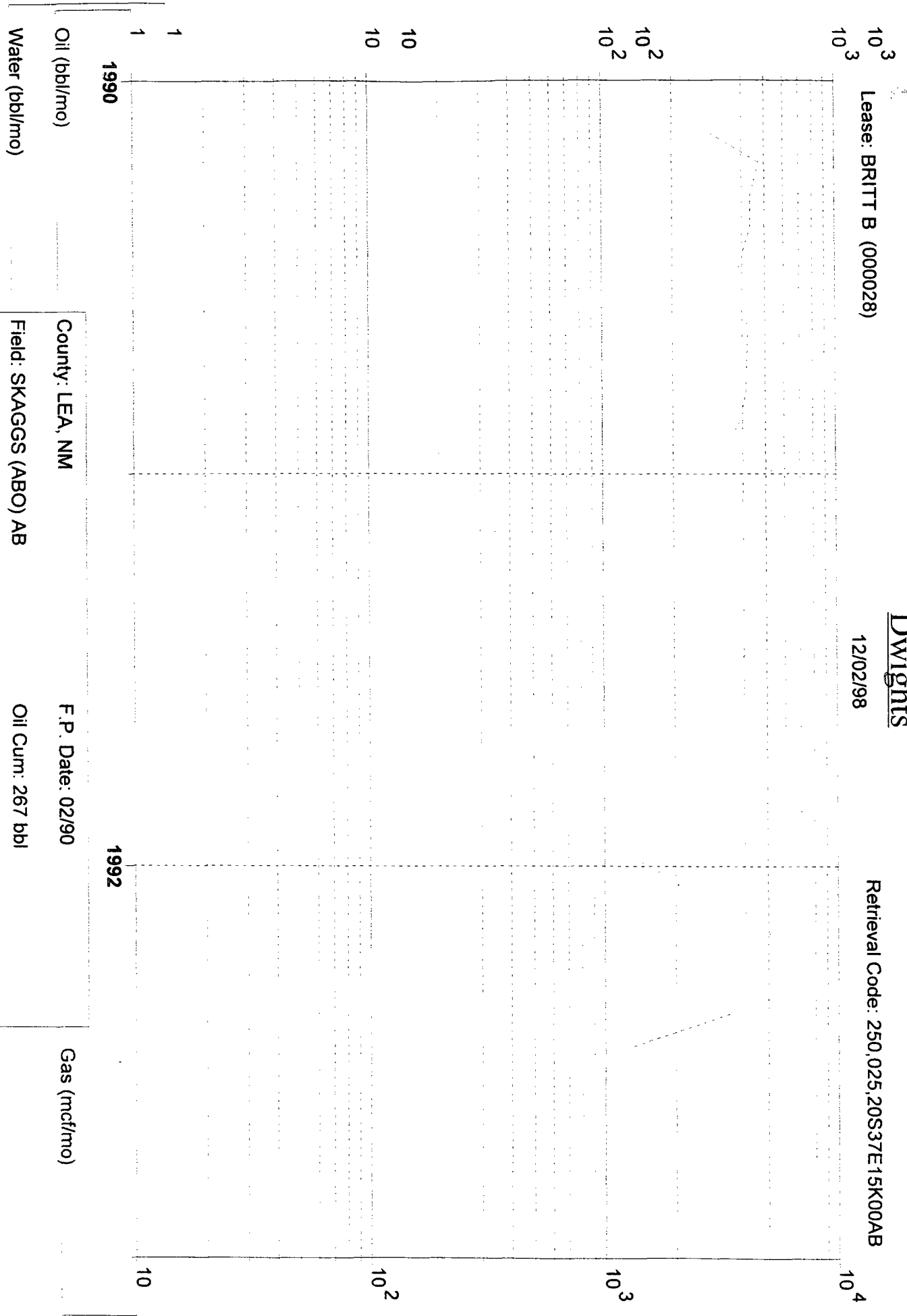
Gas (mcf/mo)

Dwights

Lease: BRITT B (000028)

12/02/98

Retrieval Code: 250,025,20S37E15K00AB



County: LEA, NM	F.P. Date: 02/90
Field: SKAGGS (ABO) AB	Oil Cum: 267 bbl
Reservoir: ABO	Gas Cum: 102.5 mmcf
Operator: CONOCO INC	Location: 15K 20S 37E

**N MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-55

All distances must be from the outer boundaries of the Section

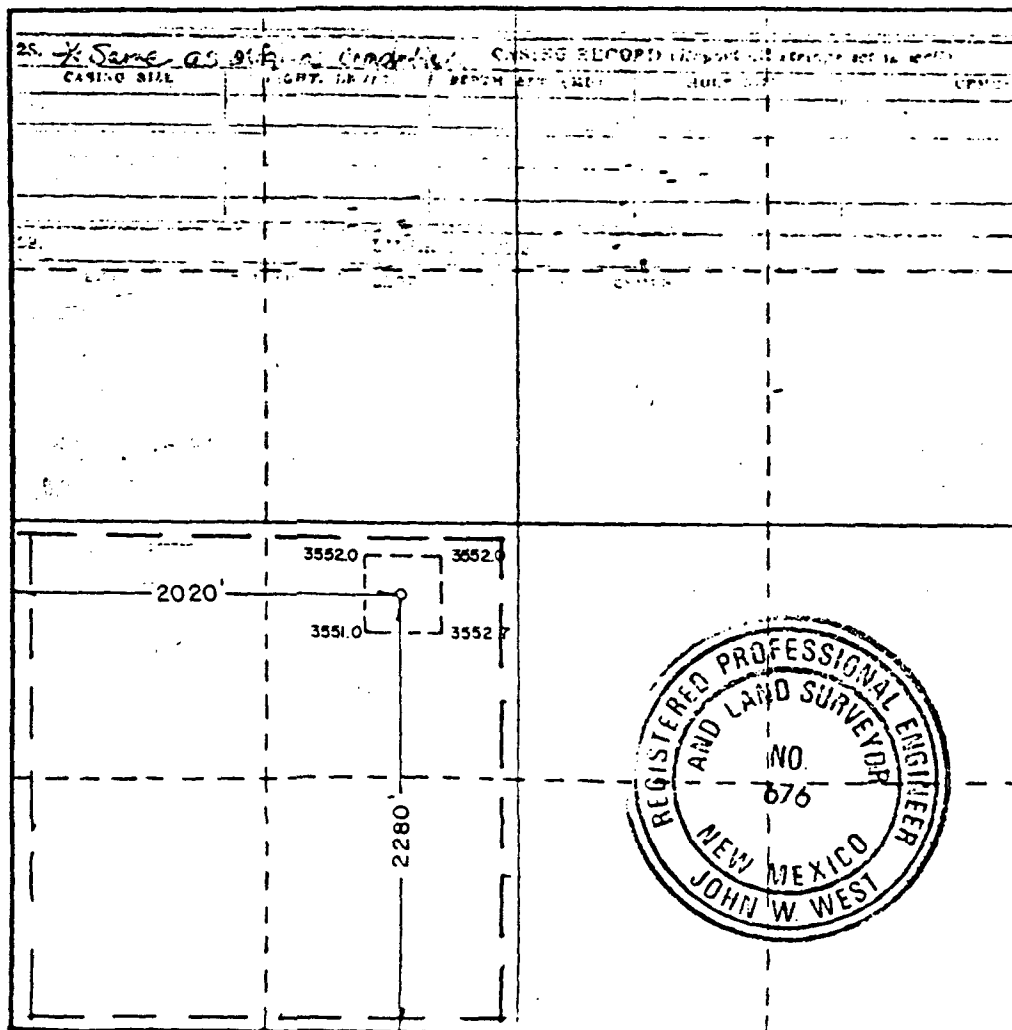
Operator Conoco, Inc.			Lease Britt "B"		Well No. 28
Unit Letter K	Section 15	Township 20 South	Range 37 East	County Lea	
Actual Footage Location of Well: 2280 feet from the South line and 2020 feet from the West line					
Ground Level Elev. 3550.8	Producing Formation Abo		Pool Skaggs Abo		Dedicated Acreage: 160 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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

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



CERTIFICATION

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

Name W. W. Baker
 Position Administrative Supr.
 Company Conoco, Inc.
 Date 2-7-90

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 July 27, 1988
 Registered Professional Engineer and/or Land Surveyor
John W. West
 Certificate No. JOHN W. WEST, 676

Submit to Appropriate
District Office
State Lease - 3 copies
Fee Lease - 2 copies

State of New Mexico
Department of Minerals and Natural Resources

Form C-102
Revised 1-1-89

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

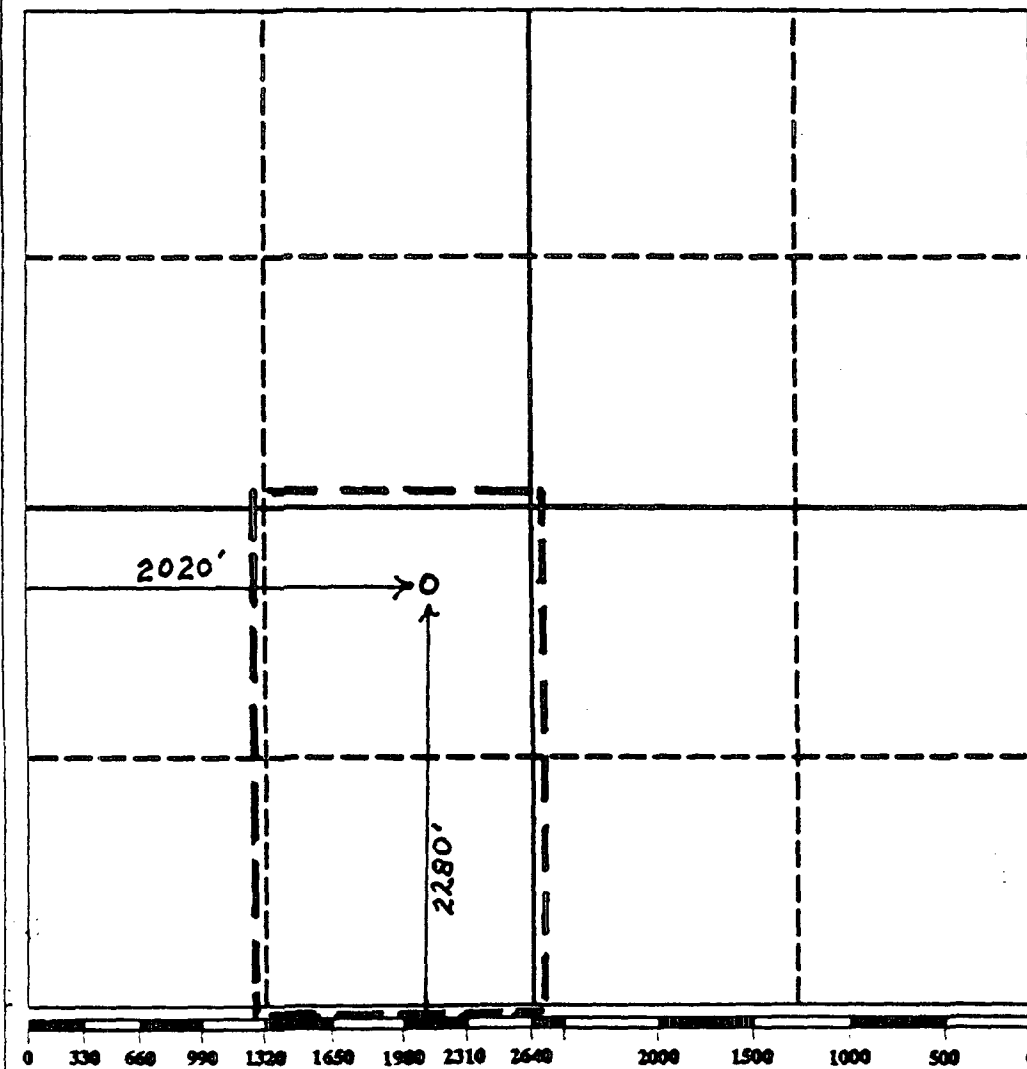
All Distances must be from the outer boundaries of the section

Operator Conoco Inc.			Lease Britt B			Well No. 28		
Unit Letter K	Section 15	Township 20S	Range 37E	County NMPM Lea				
Actual Footage Location of Well: 2280 feet from the South line and 2020 feet from the West line								
Ground level Elev. 3551'		Producing Formation Tubb		Pool Monument Tubb		Dedicated Acreage: 80 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 _____

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or 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 _____
Printed Name
Jerry W. Hoover

Position
Sr. Conservation Coord.

Company
Conoco, Inc.

Date
02-28-92

SURVEYOR CERTIFICATION

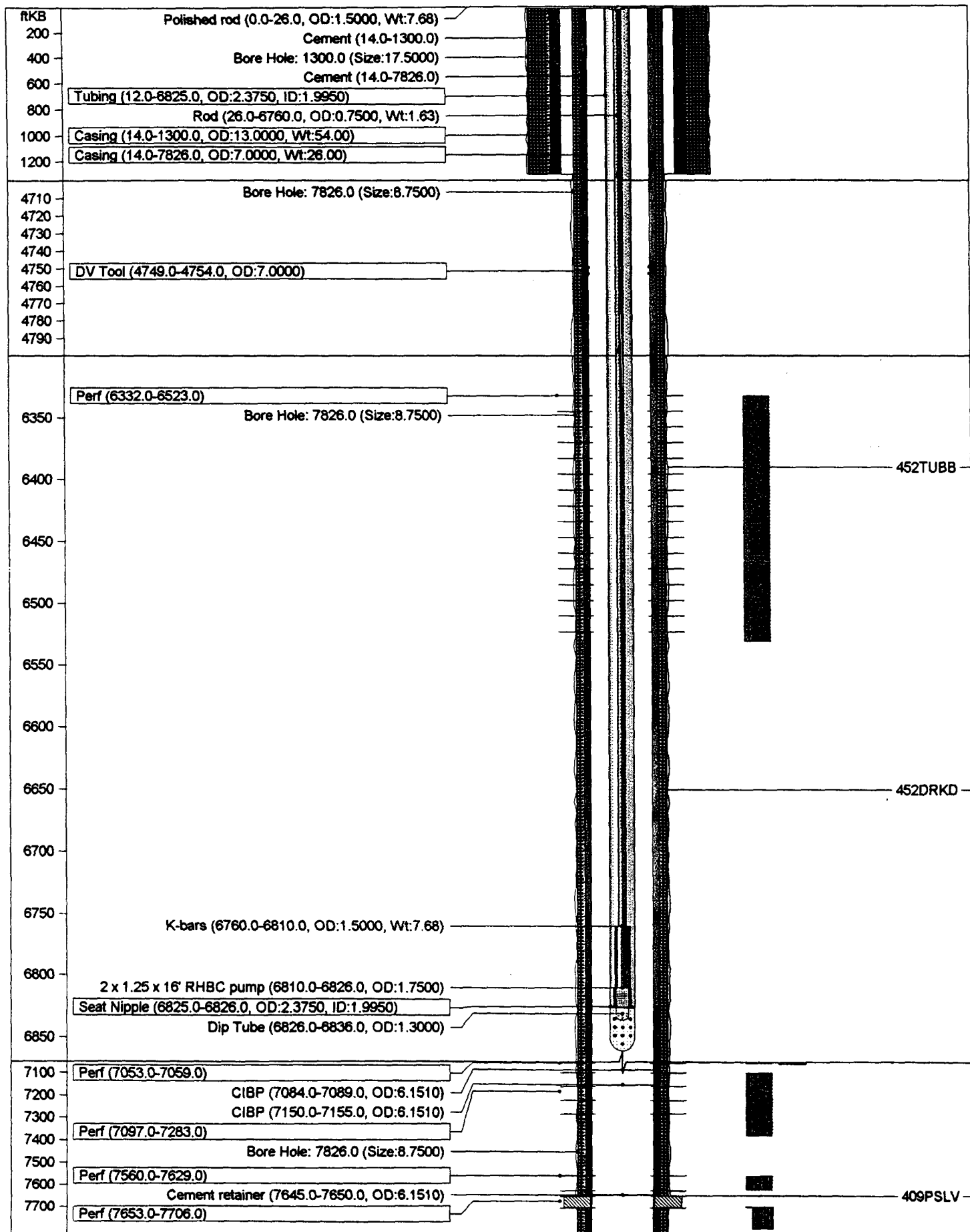
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

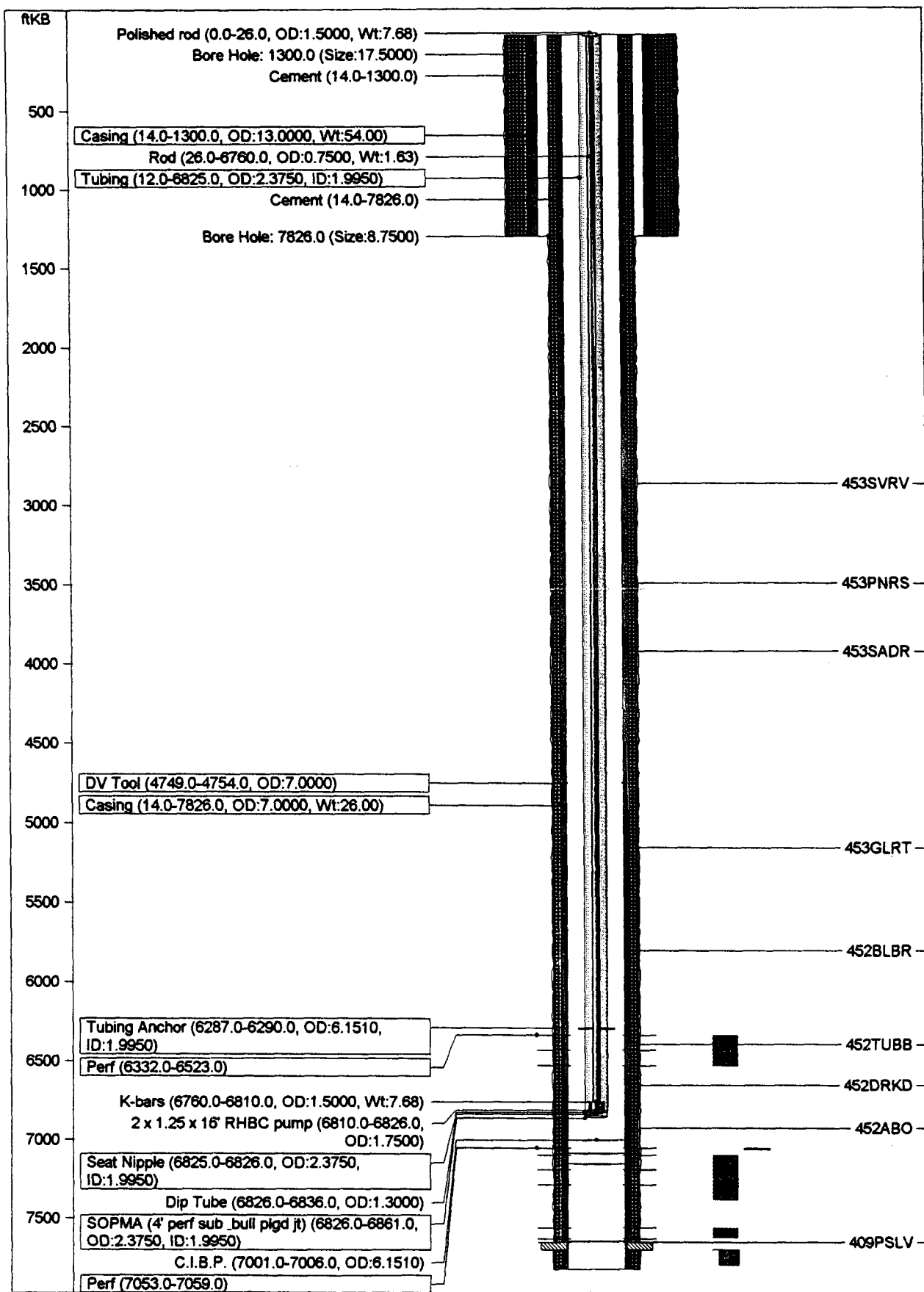
Signature & Seal of
Professional Surveyor _____

Certificate No. _____

BRITT B #28 (HWR 02/23/98)



BRITT B #28 (HWR 02/23/98)



January 15, 1999

~~December 2, 1998~~

Amended
RE: Application C-107A – Downhole Commingle
Britt B #28
Section 15, T-20-S, R-37-E, K
API # 30-025-30470
Lea County, New Mexico

NOTIFICATION OF OFFSET OPERATORS:

Texaco
Heritage Center
Midland, TX 79702

Marathon Oil Co.
PO Box 552
Midland TX 79702

Amerada Hess
PO Box 2040
Houston, TX 77252-2040

Altura Energy
PO Box 4294
Houston, TX 77210

Amended
A copy of the C-107A application has been sent to the above listed parties.



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

2/4/99

GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	_____
DHC	_____X_____
NSL	_____
NSP	_____
SWD	_____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

<u>Conoco Inc</u>	<u>Britt B</u>	<u>#28-K</u>	<u>15-20s-37e</u>
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed