

DATE IN 1/24/00	SUSPENSE 2/14/00	ENGINEER DC	LOGGED BY MW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2633

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

Kay Maddox

Title

Regulatory Agent

Date

1/20/2000



Mid-Continent Region
Exploration/Production

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

New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87504-2088

RE: Application to Downhole Commingle C-107A
Conoco, Inc.
Burger B-20 #4
Section 20, T-20-S, R-38-E, F
API # 30-025-31298
Lea County, NM

Dear Mr. Catanach,

Please find enclosed our application to Downhole Commingle. This well was drilled and completed in the Mckee in 1991. A recompletion in the Abo was attempted in October, 1999 (see attached completion report). As evidenced by the test minimal production was established. Conoco would like to pull the RTBP and downhole commingle the existing established production in the Mckee with the minimal amount of production tested in the Abo. If the downhole Commingle application is denied Conoco Inc. will have to plug the well leaving approximately 3500-5000 BBLS of Mckee oil in the hole. The cost to squeeze the Abo is estimated at \$20,000 thereby making this an uneconomical option.

Conoco, Inc. requests administrative approval of the submitted Downhole Commingle Application C-107A. If you have any further questions regarding this application please Call me at (915) 686-5798. Thank you.

Sincerely,

Kay Maddox
Regulatory Agent - Conoco, Inc.

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

DISTRICT II
811 South 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 Burger B 20 Well No #4 Unit Ltr Sec Twp Rge Section 20, T-20-S, R-38-E, F County Lea

OGRID NO. 005073 Property Code 003001 API NO. 30-025-31298 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	Skaggs Abo East 56630		Warren Mckee 63270
2. TOP and Bottom of Pay Section (Perforations)	7058-7319'		9118-9223'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a (Current) 350 psi	a.	a. 344 psi
	b(Original) 390 psi	b.	b. 2500 psi
6. Oil Gravity (°API) or Gas BT Content	32.5 API		37 API
7. Producing or Shut-In?	Producing		Shut-in
Production Marginal? (yes or 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 • If Producing, date and oil/gas/water rates of recent test (within 60 days)	Yes		Yes
	Date Rates 12/14/99 1 BO/6 BW/3 MCFD	Date Rates	Date Rates 9/9/99 6 BO/133 BW/2 MCF
8. Fixed Percentage Allocation Formula - % for each zone	oil: 14 % Gas 60 %	oil: % Gas %	oil: 86 % Gas 40 %

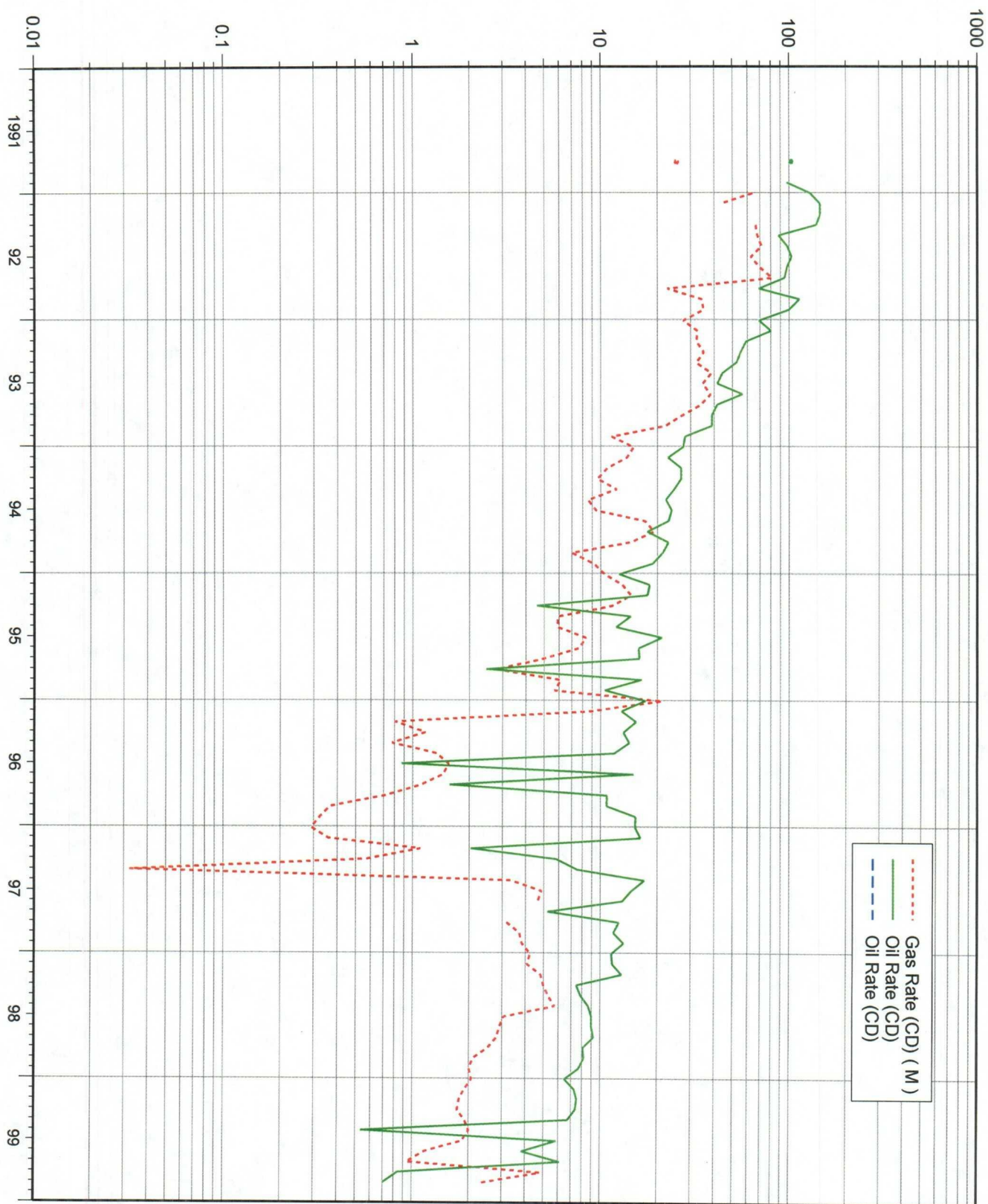
9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical 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. NMOC 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.

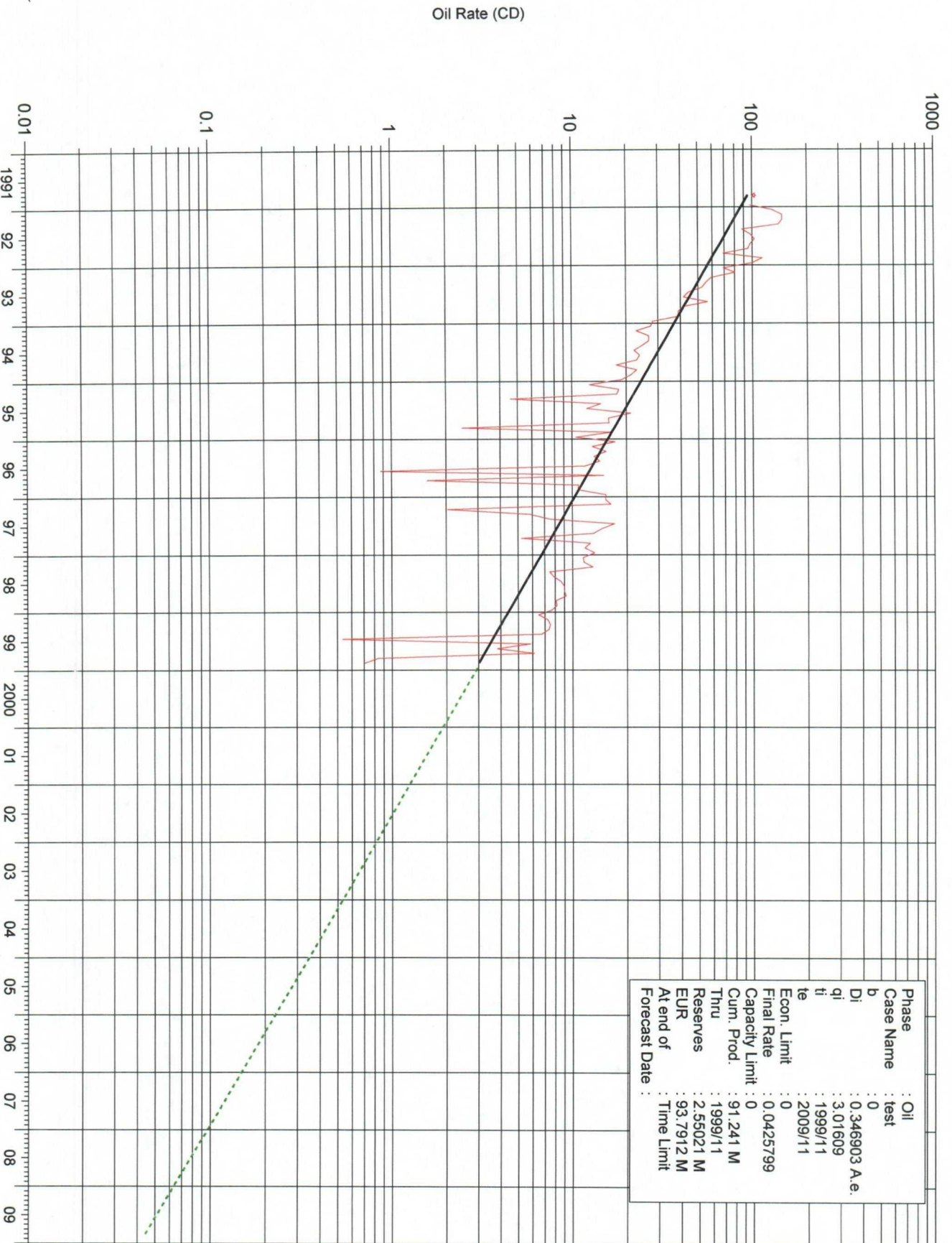
SIGNATURE Kay Maddox TITLE Regulatory Agent DATE 1/20/2000

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

BURGER B 20 4:SM

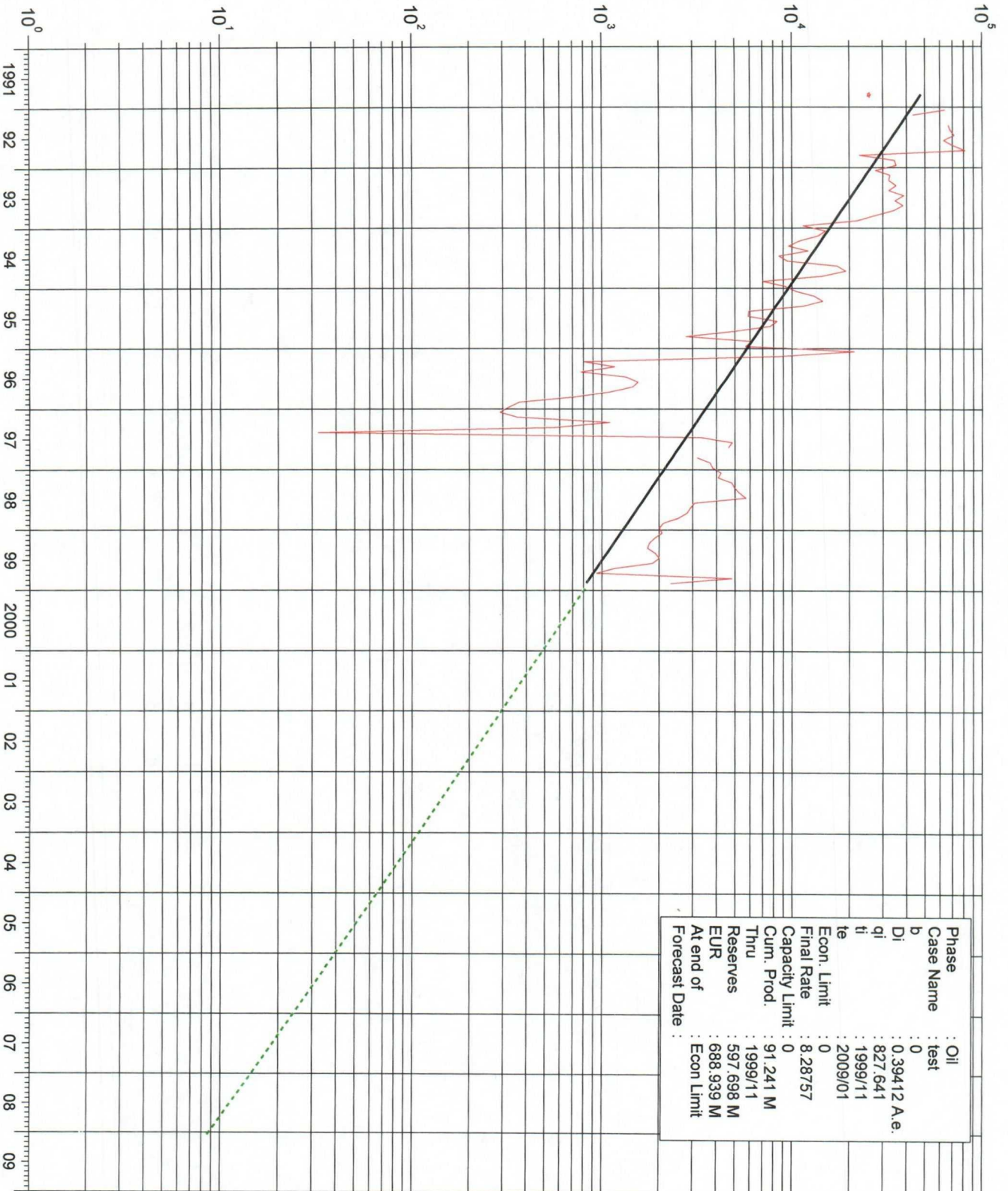


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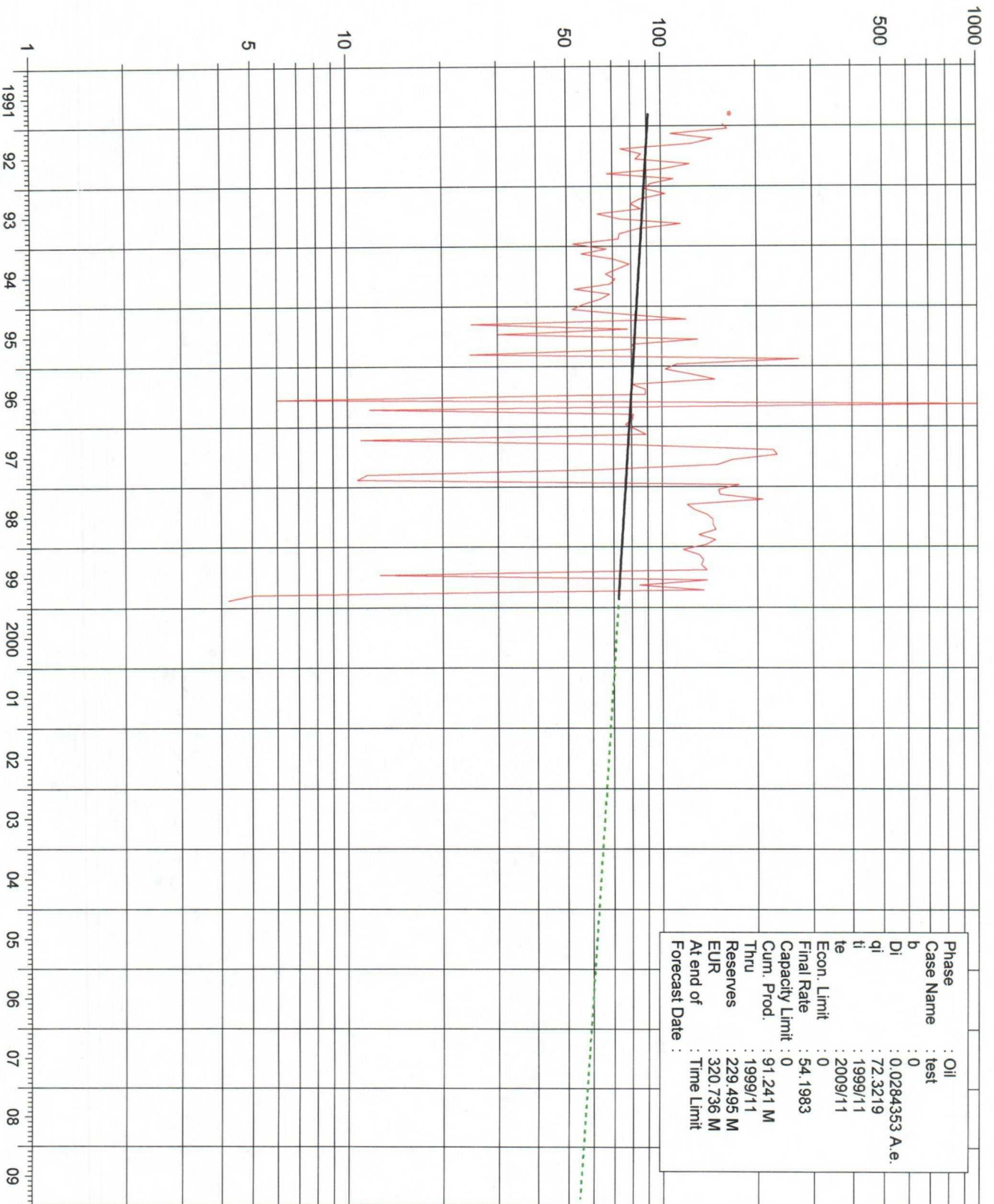
6828354

Gas Rate (CD)



6828354

Water Rate (CD)



OIL CONSERVATION DIVISION

P.O. Box 2083

Santa Fe, New Mexico 87504-2083

DISTRICT I

P.O. Box 1748, Hobbs, NM 88240

DISTRICT II

P.O. Drawer 102, Aztec, NM 88210

DISTRICT III

1000 Rio Grande 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 BURGER E-20		Well No. 4
Unit Letter F	Section 20	Township 20 SOUTH	Range 38 EAST	County LEA	
Actual Footage Location of Well: 2010 feet from the WEST line and 2310 feet from the NORTH line					
Ground level Elev. 3549.6	Producing Formation McKee	Pool Warren McKee	Dedicated Acreage 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.

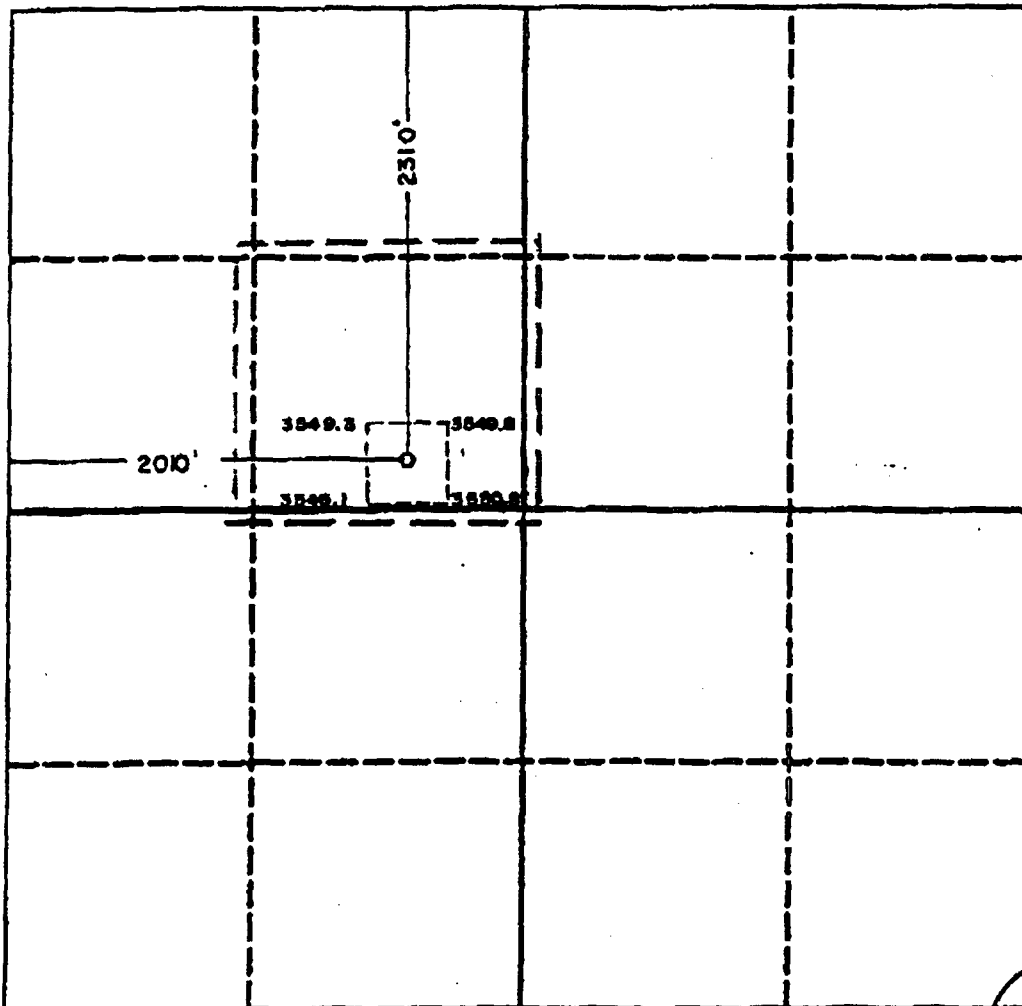
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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, forced-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, alienating each 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

Jerry W. Hoover

Printed Name

Jerry W. Hoover

Position

Sr. Conservation Coordinator

Company

Conoco, Inc.

Date

June 13, 1991

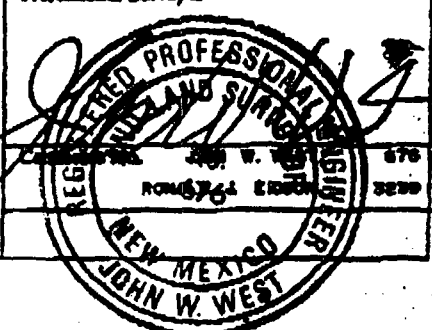
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was placed from field notes of actual survey 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

6-10-91

Signature & Seal of Professional Surveyor



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 21, 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

API Number 30-025-31298		2 Pool Code 56630	3 Pool Name Skaggs Abo East	
4 Property Code 003001	5 Property Name Burger B-20			6 Well Number #4
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 3547'

10 Surface Location

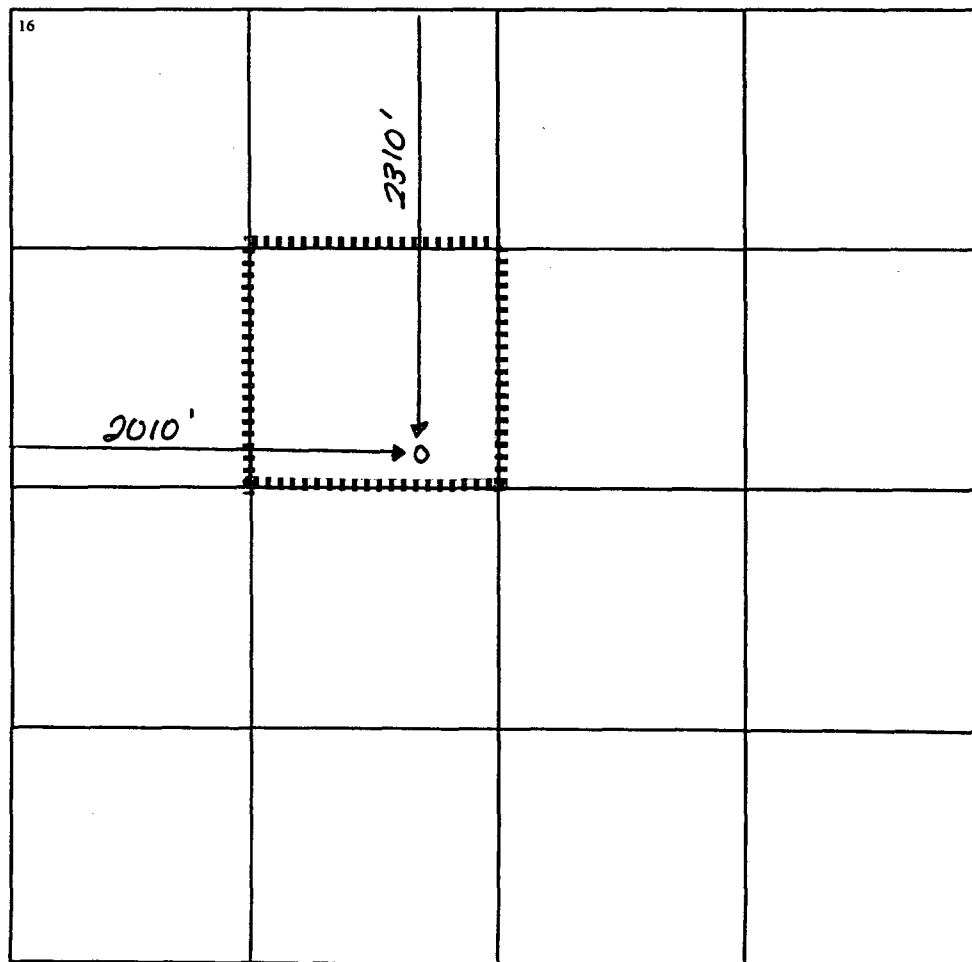
UL or lot no. F	Section 20	Township 20S	Range 38E	Lot Idn	Feet from the 2310'	North/South line North	Feet from the 2010'	East/West line West	County Lea
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11 Bottom Hole Location If Different From Surface

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

Kay Maddox
Signature
Kay Maddox
Printed Name
Regulatory Agent
Title
January 20, 2000
Date

18 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

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATED

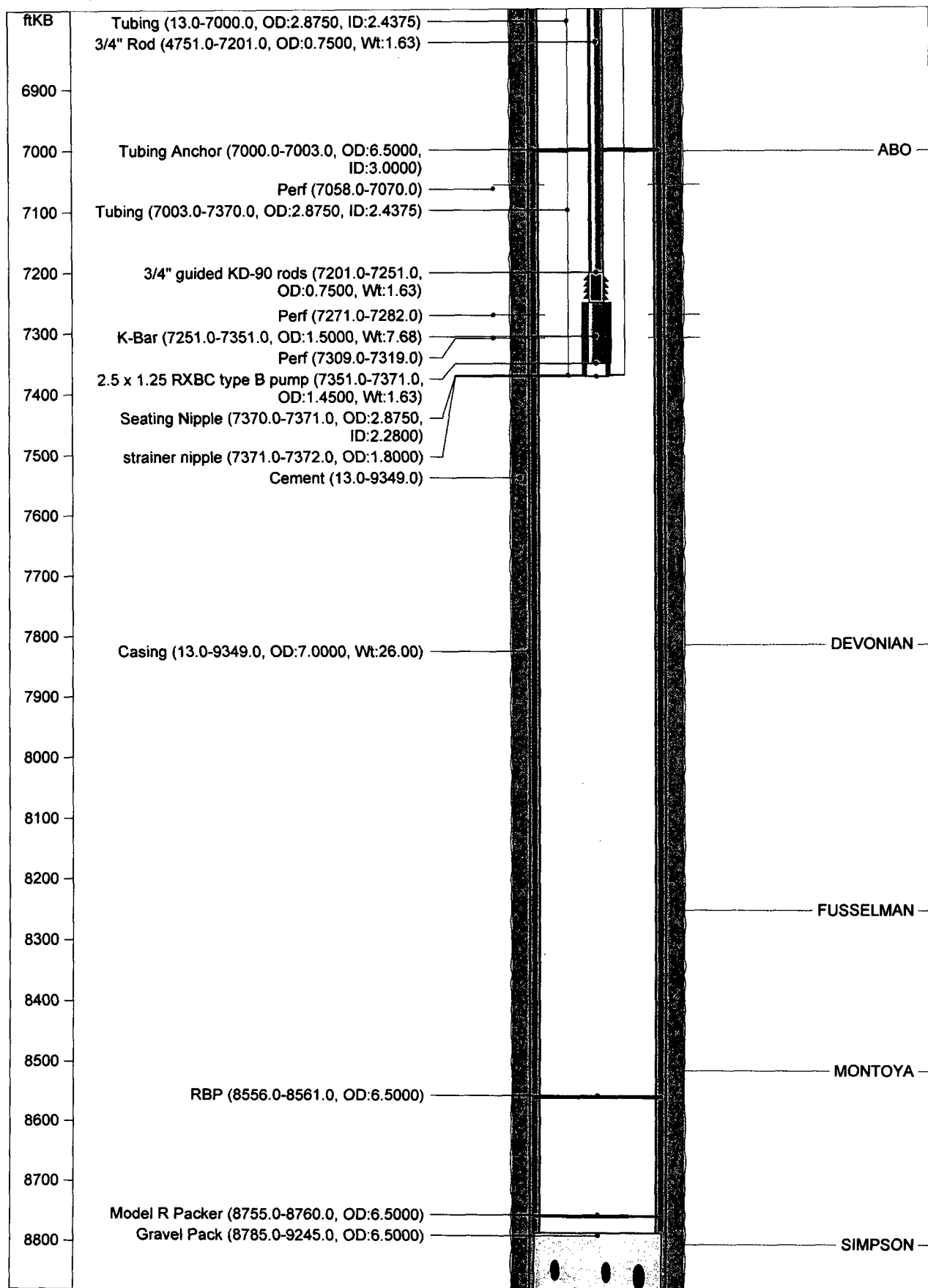
Form approved
Budget Bureau No 1004-0137
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
LC 031670B

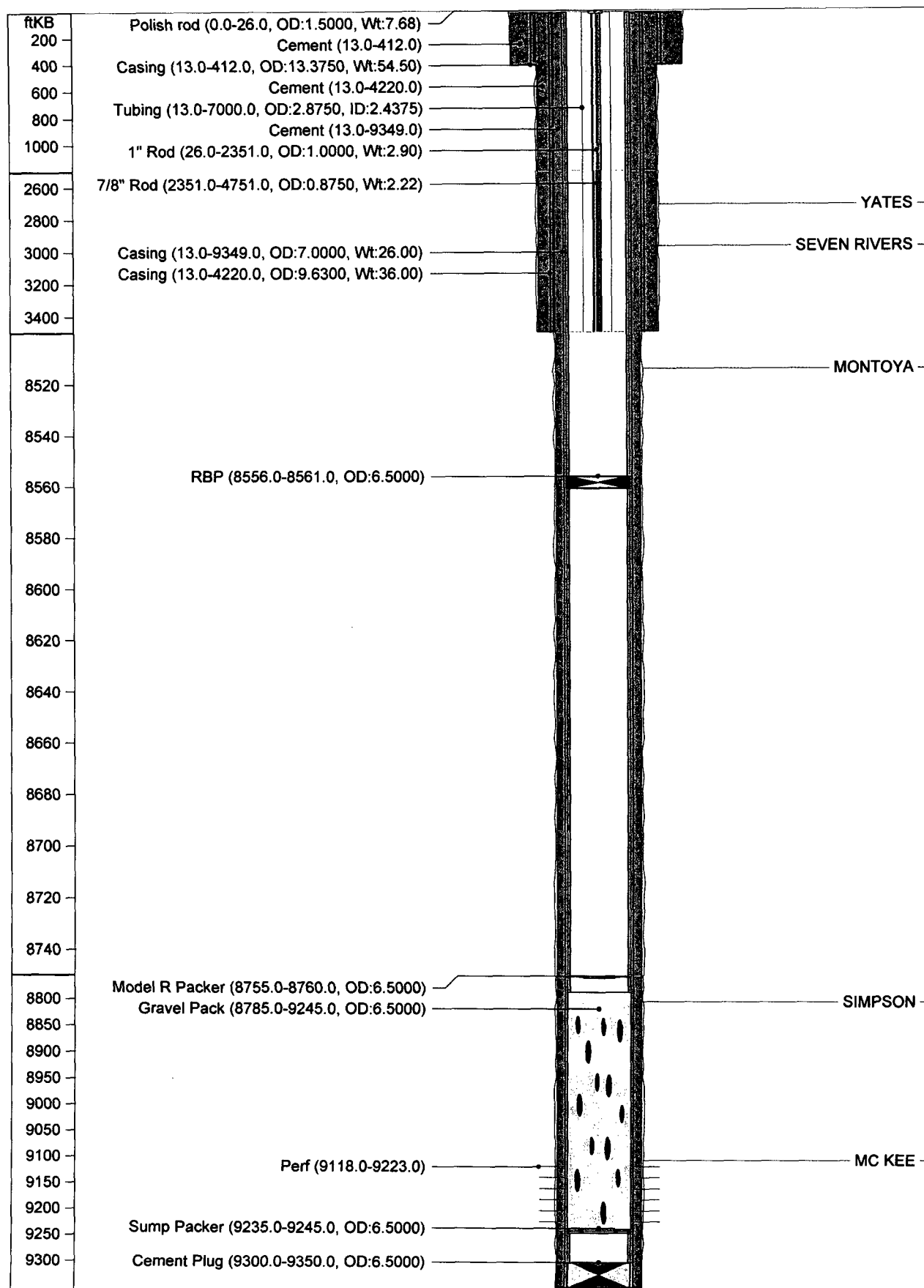
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1 a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>				7. UNIT AGREEMENT NAME	
1b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>				8. FARM OR LEASE NAME Burger B 20, Well #4	
2. NAME OF OPERATOR CONOCO INC.				9. API NO. 30 025 31298	
3. ADDRESS OF OPERATOR 10 DESTA DR. STE 100W, MIDLAND, TX. 79705-4500 (915) 686-5580/684-6381				10. FIELD AND POOL, OR WILDCAT Skaggs Abo East (56630)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2310' FNL & 2010' FWL At top prod. interval reported below At total depth				11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA Section 20, T20S, R38E	
14. PERMIT NO. DATE ISSUED 2-9-99				12. COUNTY OR PARISH Lea	
15. Date Spudded				13. STATE NM	
16. Date T.D. Reached		17. DATE COMP (Ready to prod) 10-11-99		18. ELEVATIONS (DF, RKS, RT, GR, ETC.) 3546'	
20. TOTAL DEPTH, MD & TVD 9350'		21. PLUG, BACK T.D., MD & TVD 8556'		23. INTERVALS DRILLED BY X	
22. IF MULTIPLE COMPL., HOW MANY*				24. PRODUCING INTERVAL(S), OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD & TVD) Abo @ 7058-7078', 7271-7282', 7309-7319'	
25. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL				26. WAS DIRECTIONAL SURVEY MADE yes	
27. WAS WELL CORED yes					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB. / FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	Amount Pulled
13 3/8"	54.3#	412'	17"		none
9 3/4"	36#	4220'	11"		none
7"	26#	9349'	8 3/4"		none
29. LINER RECORD					
Size	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	
30. TUBING RECORD					
Size	DEPTH SET (MD)	PACKER SET (MD)			
2 7/8"	8556'				
31. PERFORATION RECORD (Interval, size and number)					
2 SPF @ 7058-7078', 7271-7282' & 7309-7319' Abo					
32. ACID, SHOT, FRAC., CEMENT SQUEEZE, Etc.					
DEPTH INTERVAL (MD)		AMT. AND KIND OF MATERIAL USED			
7058-7319'		73 bbls 15% acid & ball sealers			
RRP @ 8556'					
33. PRODUCTION					
DATE FIRST PRODUCTION 10-12-99		PRODUCTION METHO (Flowing, gas lift pumping - size and type of pump) pumping		WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 10-12-99	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR OIL-- BBL. TEST PERIOD 0	GAS-- MCF. 11	WATER -- BBL. 0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-- BBL.	GAS-- MCF.	WATER -- BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
35. LIST OF ATTACHMENTS					
38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED		TITLE Regulatory Agent		DATE 1-17-2000	

*(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.





BURGER B-20 #4 (KBK-hwr 10/12/99)							
API No.	30025312980000						
Spud	7/4/1991						
Completion	10/24/1991						
Abandoned							
Frm. Prod.	202MCKE						
Well No.	4						
Field	WARREN						
Init. Well Class.	development well						
Status	OIL						
Permit							
RR							
Last Act.							
TD	9350.0 ftKB						
PBTD	8556.0 ftKB						
Operator	CONOCO INC						
Permit No.							
District	Hobbs O.U.						
Final Well Class.	oil well						
Frm. at TD	202MCKE						
Location							
Bottom Longitude	0						
Top Longitude	103.1722						
Half Township							
Half Range							
Spot	SE NW						
Meridian	NEW MEXICO						
Top NS Distance	2310.0 ft W						
Top EW Distance	2010.0 ft N						
Bottom Latitude	0						
Btm NS Distance	0.0 ft						
Btm EW Distance	0.0 ft						
Township	S020						
Range	E038						
Section	20						
Meridian Code	New Mexico						
Top Latitude	32.55952						
Elevations							
KB-Grd	13.0 ft						
Grd	3546.0 ft						
Tub Head	0.0 ft						
KB	3559.0 ft						
Cas Fing	0.0 ft						
Bore Hole Data							
Size (in)	Depth (ftKB)						
17.5000	412.0						
12.2500	4220.0						
8.7500	9350.0						
Casing String - Surface Casing							
Grd	Item	Btm (ftKB)	Comments	ID	Thd	Jnts	Wt
K-55	13.3750 in Casing	412.0		12.6094	STC	11	54.50
Casing String - Intermediate Casing							
Grd	Item	Btm (ftKB)	Comments	ID	Thd	Jnts	Wt
K-55	9.6300 in Casing	4220.0		8.9200	LTC	100	36.00
Casing String - Production Casing							
Grd	Item	Btm (ftKB)	Comments	ID	Thd	Jnts	Wt
K-55	7.0000 in Casing	9349.0		6.2813	LTC	216	26.00
K-55	7.0000 in Stage Tool	6015.0		6.2813	LTC	1	26.00
K-55	7.0000 in Float Collar	9349.0		6.2813	LTC	1	26.00
Casing Cement							
Amount (sx)	Comments	Casing String	Top (ftKB)				
485	Cmt circ	Surface Casing	13.0				
1770	Cmt circ	Intermediate Casing	13.0				
1700	Cmt circ both stages. DV @ 6010. 1st stg 900 sx, 2nd stg 800 sx.	Production Casing	13.0				

Other (plugs, equip., etc.) - Plug Backs								
Int (ftKB)	Item	Comments	Date					
8556.0 - 8561.0	RBP		9/30/1999					
9300.0 - 9350.0	Cement Plug		7/31/1991					
Other (plugs, equip., etc.) - Permanent Downhole Equipment								
Int (ftKB)	Item	Comments	Date					
8755.0 - 8760.0	Model R Packer		10/10/1991					
8785.0 - 9245.0	Gravel Pack		10/10/1991					
9235.0 - 9245.0	Sump Packer		10/10/1991					
Formation/Horizon Tops								
Frm. Code			Top (ftKB)					
YATES			2708.0					
SEVEN RIVERS			2966.0					
QUEEN			3538.0					
PENROSE			3690.0					
GRAYBURG			3892.0					
SAN ANDRES			4230.0					
GLORIETA			5353.0					
BLINEBRY			5879.0					
TUBB			6376.0					
DRINKARD			6702.0					
ABO			7003.0					
DEVONIAN			7814.0					
FUSSELMAN			8251.0					
MONTOKA			8514.0					
SIMPSON			8804.0					
MC KEE			9105.0					
Perforations								
Int	Shots (/ft)	Comments	Type	Date				
9118.0 - 9223.0	12.0	@ 9118-30, 9140-9203, & 9218-23. Pmp 10 bbls polymer sweeps & circ until returns were 10 NTU. Spot 10 bbls polymer across perms.		10/5/1991				
7058.0 - 7070.0	2.0			10/1/1999				
7271.0 - 7282.0	2.0			10/1/1999				
7309.0 - 7319.0	2.0			10/1/1999				
Tubing String - Primary Tubing								
Grd	Item (in)	Comments	ID (in)	Thd	Jnts	Len (ft)	Top (ftKB)	Wt
J-55	2.8750 in Tubing		2.4375	8rd	227	6987.0	13.0	6.50
	6.5000 in Tubing Anchor		3.0000		1	3.0	7000.0	6.50
J-55	2.8750 in Tubing		2.4375	8rd	12	367.0	7003.0	6.50
	2.8750 in Seating Nipple		2.2800		1	1.0	7370.0	6.50
Rod String - Tapered Rod String								
Type	Comments	Size (in)	No.	Len (ft)	Top (ftKB)			
Polish rod		1.5000	1	26.0	0.0			
1" Rod		1.0000	92	2325.0	26.0			
7/8" Rod		0.8750	96	2400.0	2351.0			
3/4" Rod		0.7500	98	2450.0	4751.0			
3/4" guided KD-90 rods		0.7500	2	50.0	7201.0			
K-Bar		1.5000	4	100.0	7251.0			
2.5 x 1.25 RXBC type B pump strainer nipple		1.4500	1	20.0	7351.0			
		1.8000	1	1.0	7371.0			

Completions & Workovers			
Reason for Workover	Reason for Failure	Date	Summary
Completion	Initial Completion	10/5/1991	Completion - Perf 12 SPF @ 9118 - 9223'. RIH w/swab. FL 2600', swabbed 122 bbls 15% oil. FL 3200'. POOH w/TCP assy. RIH w/bit & scraper condition wellbore for gravel pack. Mix & pmp thru 10 bbls polymer sweeps & circ until returns were 10 NTU. Spot 10 bbls polymer across perms. Set sump pkr on W.L. @ 9235'. RIH w/gravel pack assy. Latch into sump pkr @ 9235'. Cleaned pmps & lines w/caustic wash. Set pkr @ 8799'. Pickled workstring w/750 G 15% NEFE HCl. Reversed out. Est inj rate 2 bpm @ 2500#. Prepacked perms w/9,375 G 10% NEFE CHI, 2500# 20/40 sand & 125 G 2% NHCL in five stages. Inj rate improved to 3 bpm @ 2,000#. Gravel pack prod screen w/6,720# sand to 3000# @ 3 bpm. Reversed out 10 bbls slurry (3360# sand). Restressed pack to 2500#. Leakoff 500#/3 min. RIH w/Model R pkr. Set pkr @ 35' above gravel pack @ 8750'
Rod Part	Scale	2/19/1993	Rod Part - Fish, change rod, reseal long stroke pump. Note: 1" rods mixed Norris 97 & EL. Part was in Norris 97 rods.
Rod part	Scale	2/21/1994	Rod part - Fished rods, 4' sub parted on pin, unseat pmp, POOH w/rods & pmp. Change pmp, replace parted sub, RTP. (Note: Downsized pmp from 1 - 3/4" to 1 - 1/2" dia pmp. Also reduced stoke on 1280 pumping unit from 192" to 140". These changes have reduced actual stress on rods by 9000#.)
Rod part	Scale	4/28/1995	Rod part - POOH w/rods to body break @ 225th rod (pitted). POOH w/rods & part of pmp. Pump parted due to wear. Scan-a-log tubing out of hole, found 7 yellow, 148 blue, 119 green, & 8 red. Did not find any obvious leaks. Replaced 127 jts tbg. Found tubing damaged externally due to hot acid left in well. RTP
Pump Change	Scale	6/26/1995	Pump Change - Pull rods & pmp. Test tubing & changed out pmp. TV cage unscrewed, TV ball & seat not working. Suspect well pounded fluid & loosened connection.
Rod Part	Scale	3/26/1997	Rod Part - POOH w/rods, found box break in 194 th rod. Replace 3 - 1" rods, 95 - 7/8" full hole boxes, 50 - 3/4" full hole boxes. Brought in parted box, gave to Tretolite, suspect Bacteria.
Parted rods	Gen. Maint & Repair	10/8/1997	Parted rods - POOH w/parted rods - (Parted on polish rod) - RIH and fished parted rods - Unseated pump - POOH w/rods and pump - Dropped standing valve - Rigged up pump truck and tested tubing - (Would not hold) - Released Tubing Anchor - POOH w/53 stands to fluid - Rigged up pump truck and tested tubing to 1,000# - (Leaked 200# in 5 mins.) - Bled off pressure and RIH and fished Standing Valve - Cont. POOH w/tubing - Hydro-Tested tubing in the hole - (Found 2 loose collars) - Rigged down Hydro-Testers - Tagged for fill - (No fill) - Pulled up and set Tubing Anchor - Removed BOP and installed well head - Picked up and RIH w/pump and existing rods - Spaced out pump and hung on - Loaded tubing and tested pump - Stripped off pumping Tee and installed new Tee - (Found hole in the old one) - Checked pump action - RDMO
Recomplete into Abo	Re-completion	9/28/1999	Recomplete into Abo - MIRU, POH laying down rods. POH scan-a-logging tbg, LD 21 total jts (13 green and 8 red), RIH with 6-1/8" bit and 7" scraper to 8760', tagged Model R packer @ 8760'. RIH w/RBP, set at 8556', loaded hole w/8.6# brine, tested RBP to 1000#. Pickled tbg w/500 gal 15% NeFe HCl, reversed into steel pit, RU wireline, RIH w/hollow carrier csg gun loaded w/2 spf @ 120 degree phasing w/32 gram charge, correlated w/cement bond log. Perforated 7309'-7319', 7271'-7282', 7070'-7078'. Shot a total of 58 holes, all shots fired. FL on 1st run was 500' from surface, 2nd run at 500' from surface. RDWL, PU & RIH w/7" PPI tool w/20' spacing, stopped above top perf, SION. RU BJ, attempted to spot acid, spotting tool would not work. Found tbg full of paraffin and scale/plastic coating. Sent sample in for testing. POH, laying down tbg. RIH hydrotesting new 2-7/8" tubing. Pickled tbg w/500 gals, spotted 400 gal 20% HCl across perms (7070'-7319'). Pull up tbg and set pkr @ 6992'. Acidized Abo zone w/73 bbls 15% and 80 ball sealers, flushed to bottom perf. Saw ball action, max tbg pres 4460#, AIP 3980#, AIR 4 bpm, ISIP 3440#, 5 min 3083#, 10 min 2956#, 15 min 2898#. Had 189 bbls load wtr to recover. Opened well up to frac tank, flowed back 61 bbls water, SION. Found 700# on tbg, blew down to frac tank, RIH w/swab, top of fluid @ 2600', swabbed to SN @ 6992' in a 10 hr period, recovered 144 bbls at 50% oil cut, well kicked off at 5:15pm, left well flowing overnight. Found well dead with 30# on tbg, RIH w/swab, tagged fluid 6000' down, swabbed to SN, recovered 10 bbls in 5 hrs at 30% oil cut, left well open to frac tank over weekend. Well did not flow any liquid, only averaged 11.5 MCFPD over weekend, found w/40# on tubing. POH w/tbg and packer, RIH w/2-7/8" tbg, set SN @ 7370' and TAC @ 7000'. RIH w/2.5 x 1.25 RXBC 20-6 type B pump (.005 fit) and 12" strainer nipple, 4 k-bars w/stabilizers, 2 guided KD-90 rods, 98 x 3/4" EL rods, 96 x 7/8" EL rods and 92 x 1" EL rods, hung on w/.15" x 26' sm polished rod, changed unit stroke from 144" to 104" and started up pumping unit. Total cost of job: \$79,014

BURGER B-20 #4 (KBK-hwr 10/12/99)

1/12/2000

Pumping Unit Notes	
Date	Note
6/9/1998	American C640D-256-144 @ 7.5 spm w/6D12.0" sheave, in 104" stroke, 50 hp 1135 rpm, 365T frame, 29.05 ratio w/8D68" gearbox sheave, 8-D300 belts, has 2 size "XJR" and 2 size "RJR" weights, last checked by Fannie Lee 2/10/98. (On 10/12/1999, changed pumping unit stroke from 144" to 104")

Conoco, Inc.
Burger B-20 #4
Section 20, T-20-S, R-38-E, F
API # 30-025-31298
Lea County, NM

RE: Application to Downhole Commingle C-107A

Notification of Offset Operator:

Amerada Hess Corporation
PO Box 2040
Houston, TX 77252-2040

P 497 376 029

US Postal Service

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Do not use for International Mail (See reverse)

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PS Form 3800, April 1995

