

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location]
 [NSP-Non-Standard Proration Unit]
 [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 - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [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
- [D] Other: Specify _____
- [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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

_____ Print or Type Name	_____ Signature	_____ Title	_____ Date
_____ e-mail Address			

District I
1623 N. French Drive, Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Grande Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

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

APPLICATION TYPE
 Single Well
 Establish Pre-Approved Pools
EXISTING WELLBORE
 Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company LP P.O. Box 4289 Farmington, NM 87499
Operator Address

STATE 16 3 Unit M, Sec. 16, T28N, R09W
Lease Well No. Unit Letter-Section-Township-Range

San Juan
County

OGRID No: 14538 Property Code 7532 API No. 30-045-25641 Lease Type: Federal State Fee

DHC-3331

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	OTERO CHACRA <i>Go2</i>	BLANCO MESAVERDE <i>ProGo2</i>	POTTER GALLUP <i>o1v</i>
Pool Code	82329	72319	50387
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	WILL BE SUPPLIED UPON COMPLETION	WILL BE SUPPLIED UPON COMPLETION	5994-6559'
Method of Production (Flowing or Artificial Lift)	NEW ZONE	NEW ZONE	FLOWING
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Original 538.2 psi from STATE 16 #1 offset (see attachment)	Original 1064.4 psi from STATE COM A #2E offset (see attachment)	Original - 290.3 Current - 63.9
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1260	BTU 1310	BTU 1247
Producing, Shut-In or New Zone	NEW ZONE	NEW ZONE	PRODUCING
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: N/A Rates: see attachment	Date: Rates:	Date: 05/31/04 Rates: 31 Mcf/d
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas Will be supplied upon completion	Oil Gas % %	Oil Gas Will be supplied upon completion

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No
 If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No
 Are all produced fluids from all commingled zones compatible with each other? Yes No
 Will commingling decrease the value of production? Yes No
 If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes No
 NMOCD Reference Case No. applicable to this well: _____

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, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE *Leonard Biemer* TITLE Engineer DATE 7/1/04
 TYPE OR PRINT NAME Leonard Biemer TELEPHONE NO. (505) 326-9700
 E-MAIL ADDRESS lbiemer@br-inc.com

State 16 #3
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
 Version 1.0 1/14/98

Chacra		Mesaverde	
CH-Current State 16 #1 Offset		MV-Current State Com A #2E Offset	
GAS GRAVITY	0.739	GAS GRAVITY	0.675
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.00428	%N2	0.00
%CO2	0.01233	%CO2	0.01
%H2S	0	%H2S	0
DIAMETER (IN)	7	DIAMETER (IN)	2.375
DEPTH (FT)	3244	DEPTH (FT)	4177
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	201.598	BOTTOMHOLE TEMPERATURE (DEG F)	203.466
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	350	SURFACE PRESSURE (PSIA)	415
BOTTOMHOLE PRESSURE (PSIA)	379.4	BOTTOMHOLE PRESSURE (PSIA)	456.4
CH-Original State 16 #1 Offset		MV-Original State Com A #2E Offset	
GAS GRAVITY	0.699	GAS GRAVITY	0.712
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0	%N2	0.00
%CO2	0	%CO2	0.0055
%H2S	0	%H2S	0
DIAMETER (IN)	7	DIAMETER (IN)	2.375
DEPTH (FT)	3244	DEPTH (FT)	4177
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	201.598	BOTTOMHOLE TEMPERATURE (DEG F)	203.466
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	498	SURFACE PRESSURE (PSIA)	954
BOTTOMHOLE PRESSURE (PSIA)	538.2	BOTTOMHOLE PRESSURE (PSIA)	1084.4

State 16 #3
Bottom Hole Pressures
Flowing and Static BHP
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Gallup			
<u>GL-Current</u>		<u>Current</u>	
GAS GRAVITY	0.7073	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	0
%N2	0.00402	%N2	0.00
%CO2	0.00816	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	0
DEPTH (FT)	6407	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	171.39	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	59	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	63.0	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!
<u>GL-Original</u>		<u>Original</u>	
GAS GRAVITY	0.7361	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	0
%N2	0.0058	%N2	0.00
%CO2	0.0085	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	0
DEPTH (FT)	6407	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	171.39	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	247	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	290.3	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!

State 16 #3 - SICP/Z Data

Zone: Gallup							
<u>Date</u>	<u>SICP (psig)</u>	<u>Chromatograph Used</u>	<u>Z-Factor</u>	<u>SICP/Z (psig)</u>	<u>Cum Qg (MMCF)</u>	<u>Slope</u>	<u>Y Intercept</u>
12/31/1983	247	1/20/1984	0.9689	255	0	N/A	255
???	55	N/A	1	55	471	-0.394998	255
10/13/2003	???	N/A	???	101	506.15	-0.394998	255

Z-Factor = 0.98
SICP (psig) = 99

Zone: Mesaverde							
<u>Date</u>	<u>SICP (psig)</u>	<u>Chromatograph Used</u>	<u>Z-Factor</u>	<u>SICP/Z (psig)</u>	<u>Cum Qg (MMCF)</u>	<u>Slope</u>	<u>Y Intercept</u>
3/16/1981	954	4/7/1998	0.9004	1060	0	N/A	1060
7/16/1981	817	4/7/1998	0.913	895	10.905	-15.10105	1060
7/24/1983	736	4/7/1998	0.9208	799	75.22	-3.459507	1060
5/1/1984	610	4/7/1998	0.9333	654	92.218	-4.401899	1060
10/15/1986	590	4/7/1998	0.9354	631	165.816	-2.585896	1060
3/16/1990	624	4/7/1998	0.9422	556	245.617	-2.049467	1060
10/14/1991	530	4/7/1998	0.9416	563	273.453	-2.02354	1060
???	415	N/A	1	415	301	-3.143023	1060
10/13/2003	???	N/A	???	128	424.25	-3.143023	1060

Z-Factor = 0.94
SICP (psig) = 118

State 16 #3 - SICP/Z Data

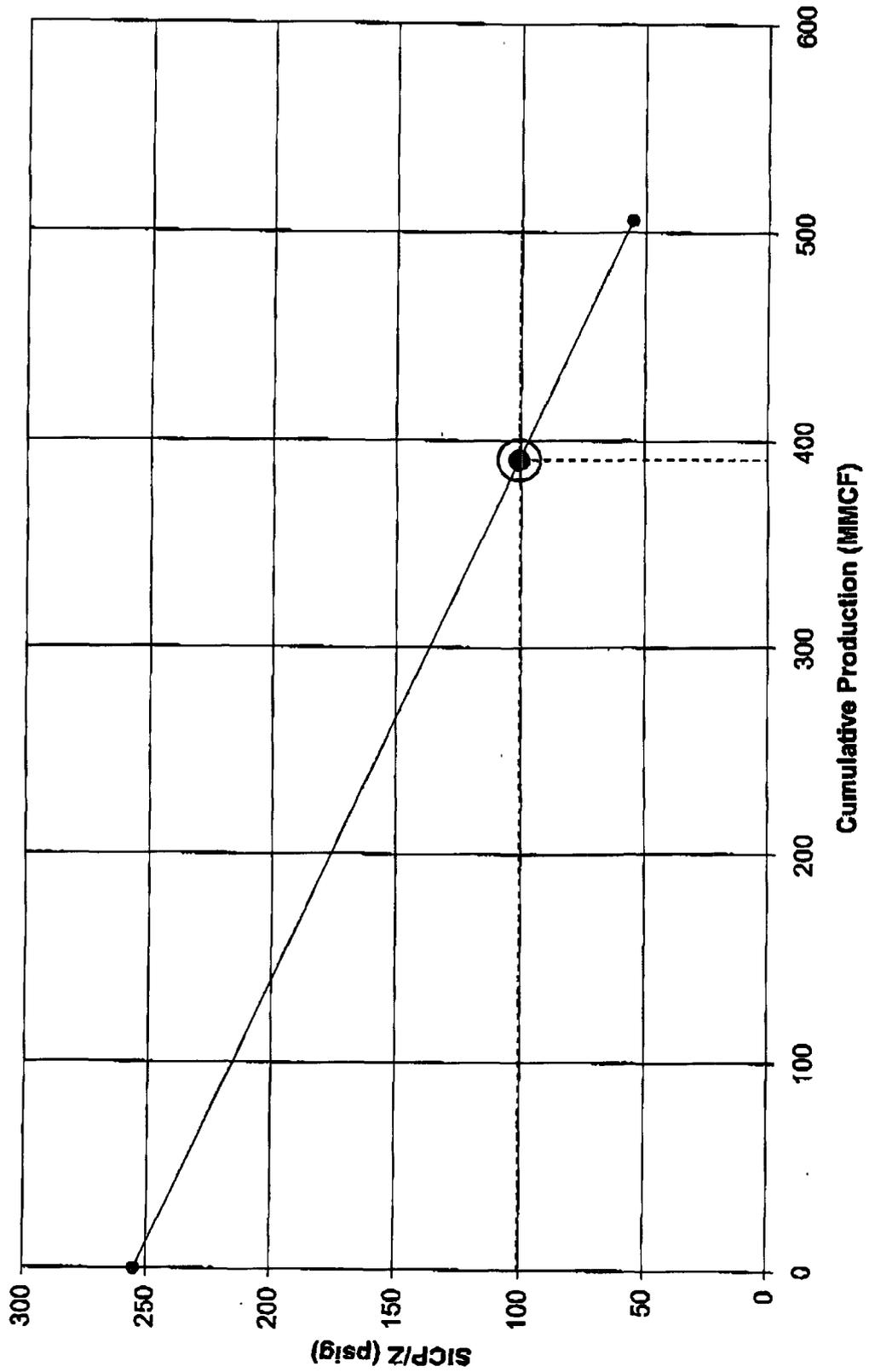
Zone: Chacra							
<u>Date</u>	<u>SICP (psig)</u>	<u>Chromatograph Used</u>	<u>Z-Factor</u>	<u>SICP/Z (psig)</u>	<u>Cum Qg (MMCF)</u>	<u>Slope</u>	<u>Y Intercept</u>
2/14/1990	953	3/1/2004	0.8931	1067	0	N/A	1067
???	102	N/A	1	102	300.4	-3.212616	1067

12/31/2002	???	N/A	???	102	300.4	-3.212616	1067
Z-Factor = 0.94 SiCP (psig) = 96							

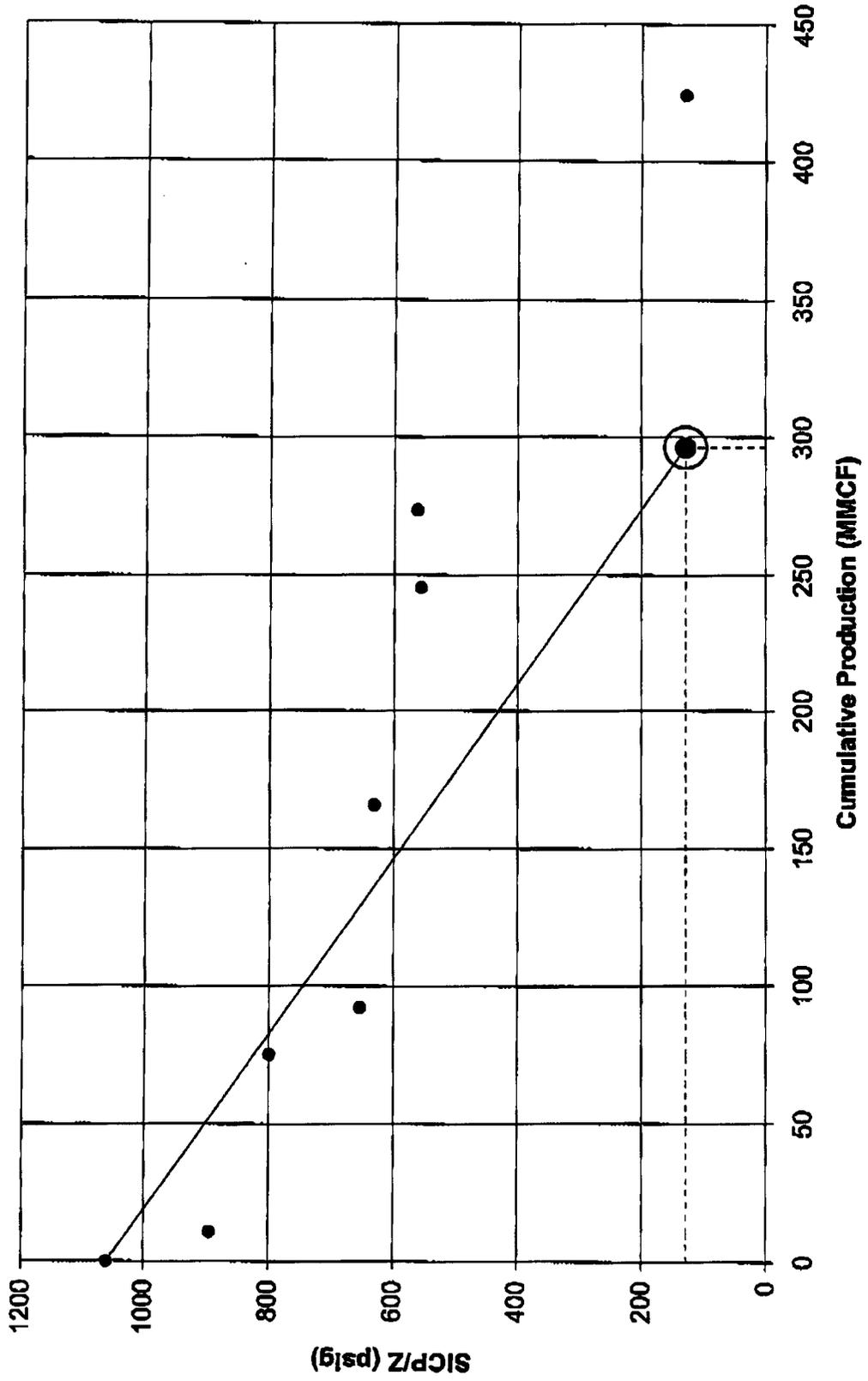
Offset Jicarilla 160 #1E Gallup

NOTE: THESE ARE ESTIMATES OF THE CURRENT RESERVOIR PRESSURE IN EACH ZONE. IT IS REALIZED THAT THE NEAR-WELLBORE PRESSURES FOR EACH ZONE SHOULD BE SIMILAR, DUE TO THEIR COMMINGLED STATUS.

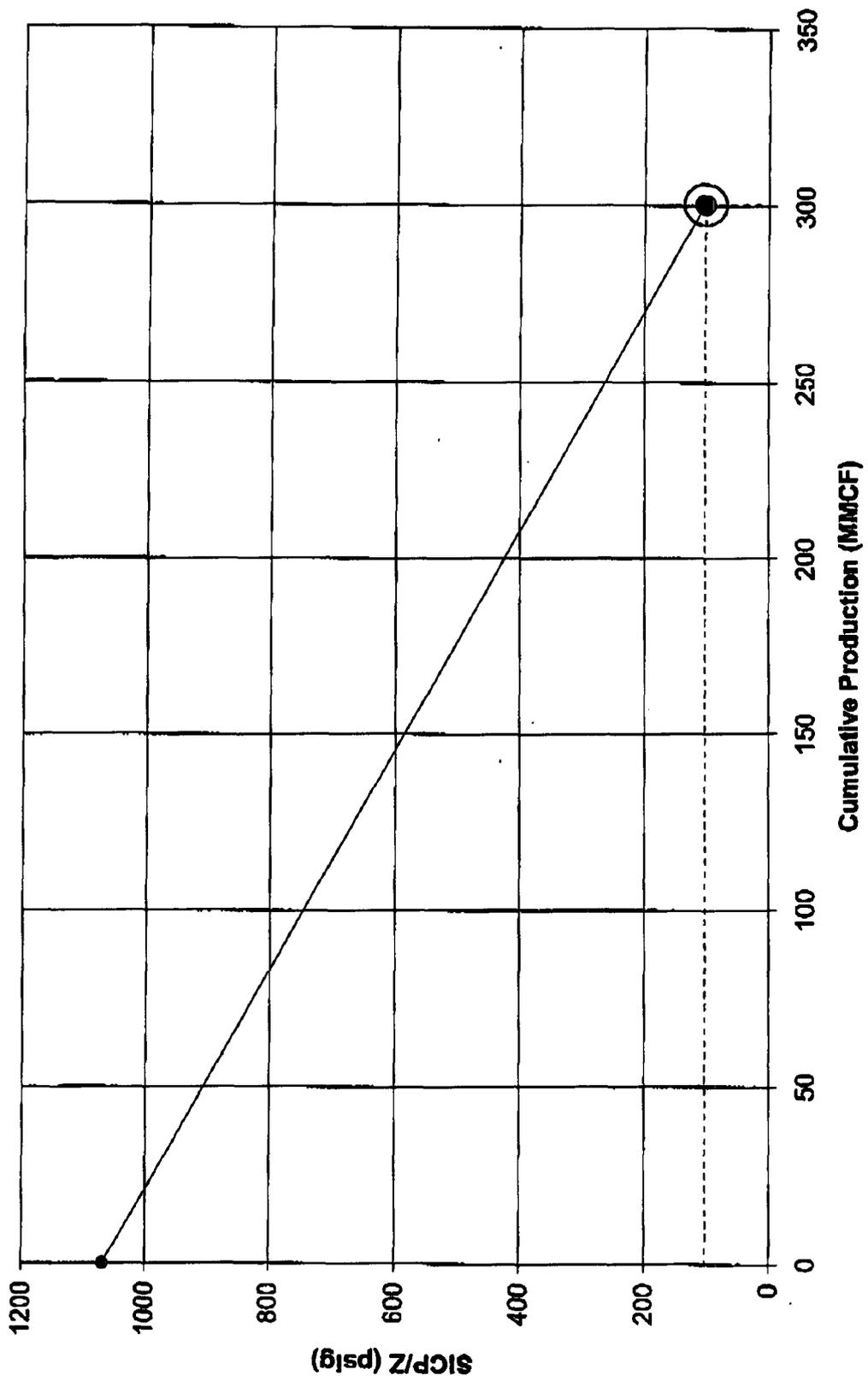
State 16 #3 (GL)



State 16 #3 (MV)



State 16 #3 (CH)



BURLINGTON RESOURCES

PRODUCTION ALLOCATION FORM

Distribution:
Regulatory
Accounting
Well File

Original: August 1, 2003

Status
PRELIMINARY
FINAL

Type of Completion
NEW DRILL RECOMPLETION PAYADD COMMINGLE

Date: Jul. 1, 04

API No.
30-045-25641

Well Name
STATE 16

Well No.
3

Unit Letter M	Section 16	Township T28N	Range R09W	Footage 881' FSL & 927' FWL	County, State San Juan, New Mexico
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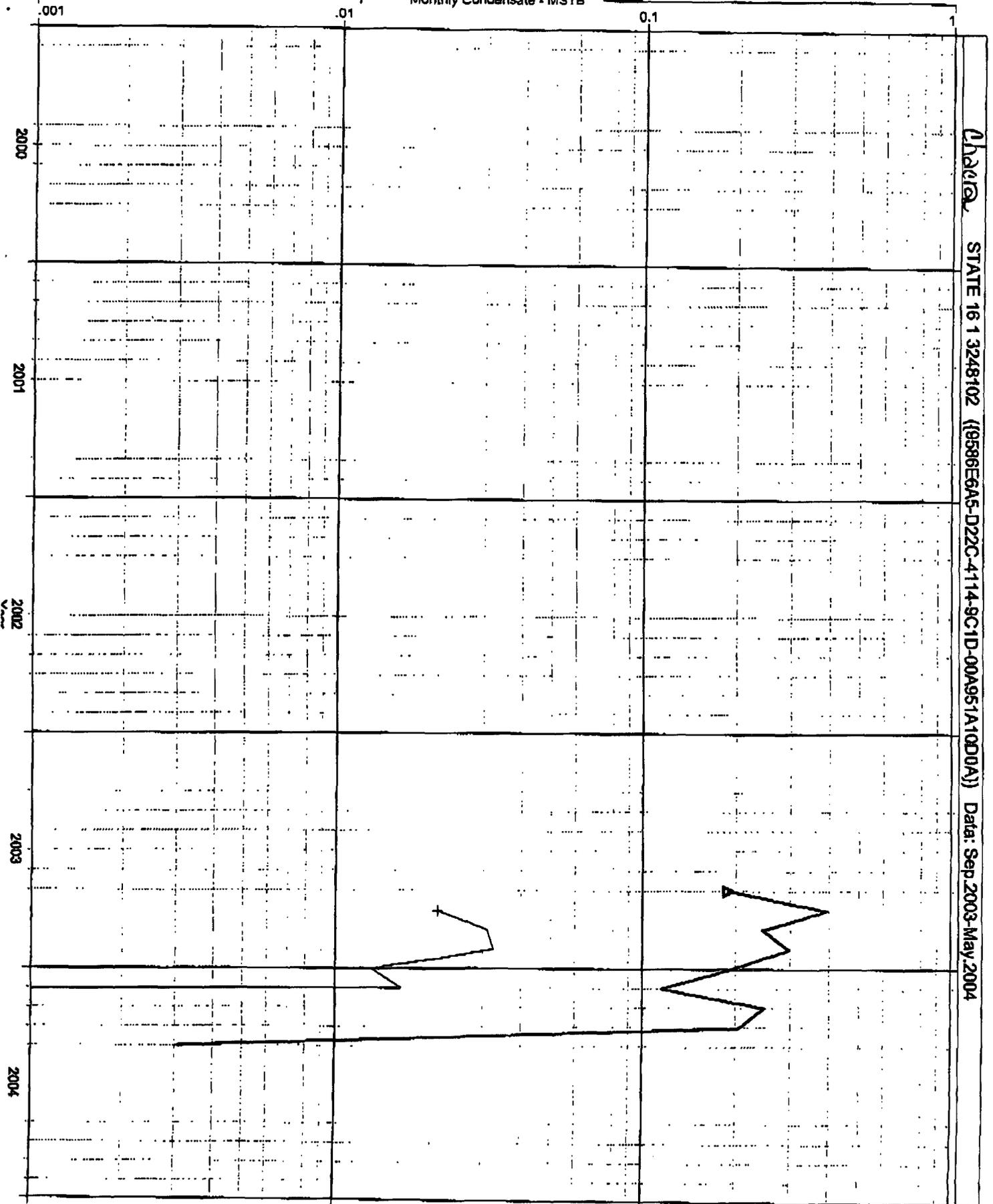
1st Delivery Date _____ Test Method
HISTORICAL FIELD TEST PROJECTED OTHER

FORMATION	GAS	PERCENT	OIL	PERCENT
Chacra	47 MMCF	6%		0%
Mesaverde	276 MMCF	34%	3.2 MSTB	78%
Gallup	496 MMCF	60%	0.9 MSTB	22%

JUSTIFICATION OF ALLOCATION
Preliminary allocation for the Chacra/Mesaverde Recompletion: Gas percentages are based on remaining reserves for the Gallup formation and estimated reserves for the Chacra and Mesaverde formations. The Chacra formation does not produce any oil therefore; oil percentages are allocated based on remaining reserves for the Gallup and estimated reserves for the Mesaverde.

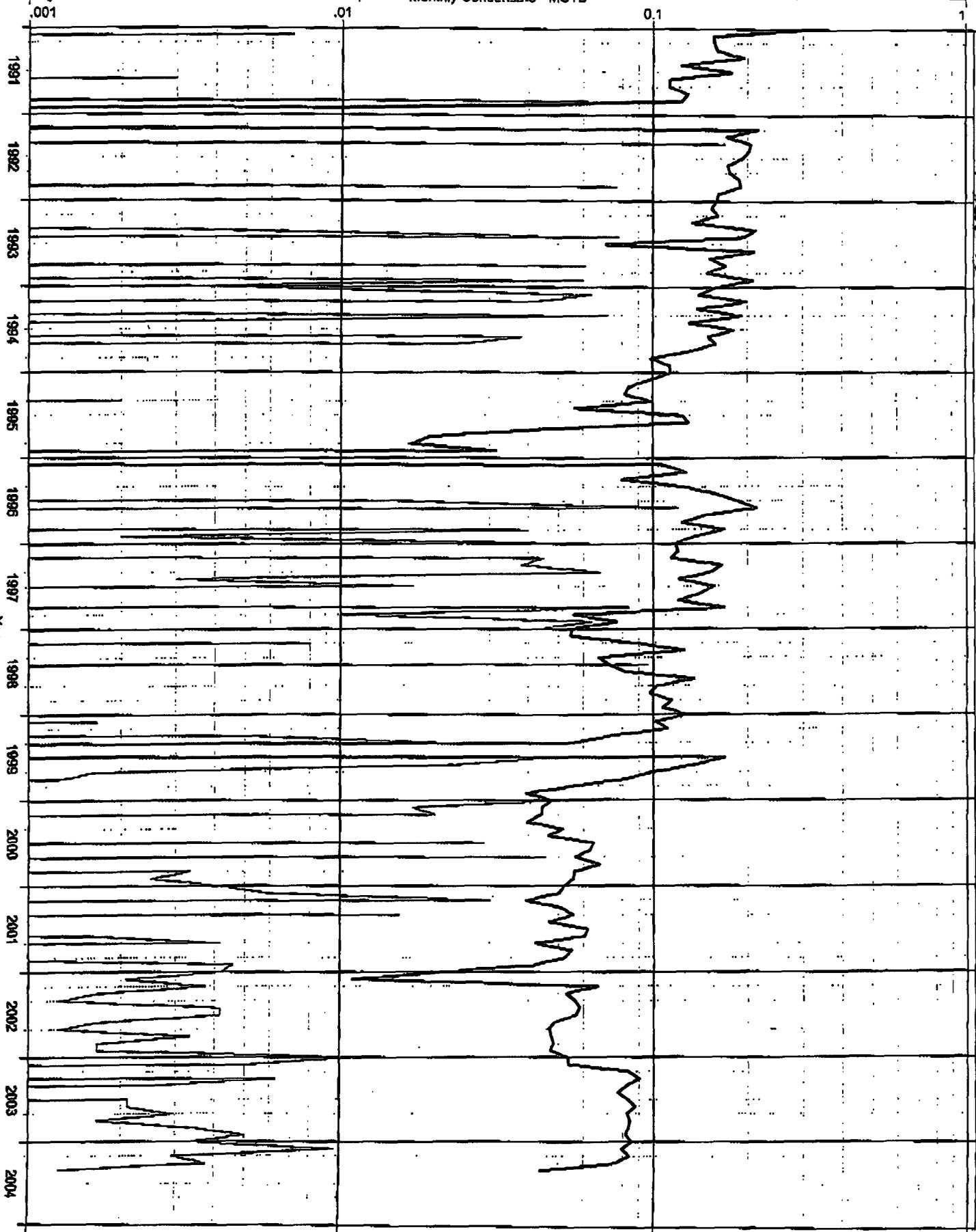
APPROVED BY	TITLE	DATE
	Leonard Biemer, Production Engineer	7/1/04
	Cherylene Charley, Engr. Tech.	7/1/04

Monthly Condensate - MSTB



DATA STATE 16 1 3248102 (9586E6A5-D22C-4114-9C1D-00A951A10D0A) Data: Sep. 2003-May 2004

Monthly Condensate - MSTB



Masquerade STATE COM A 2E 3209802 (75998880358.485) Data: Jan. 1981-May 2004

All distances must be from the outer boundaries of the Section.

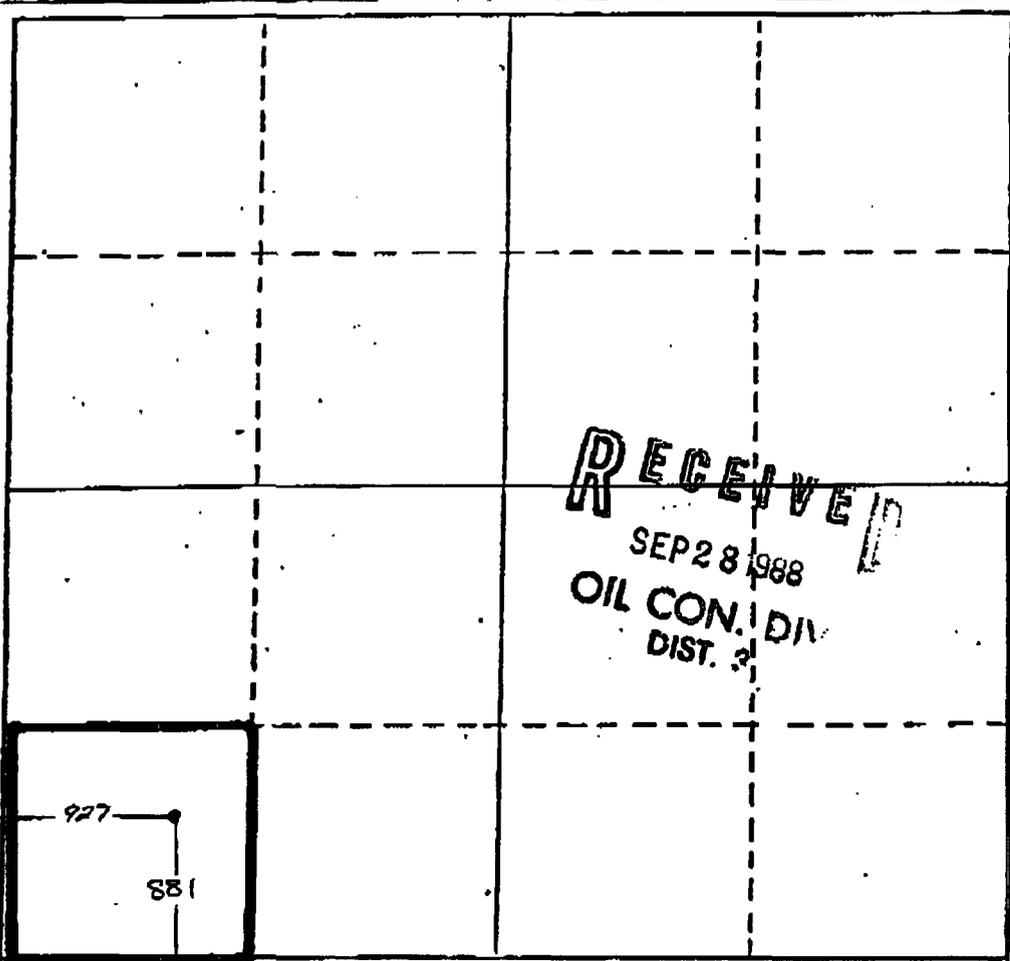
Operator Union Texas Petroleum		Lease State 16		Well No. 3
Unit Letter M	Section 16	Township 28 North	Range 9 West	County San Juan
Actual Footage Location of Well:				
881	feet from the South	line and	927	feet from the West line
Ground Level Elev. 6263	Producing Formation Gallup	Pool Potter	Dedicated Acreage: SW SW 40.00 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 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 Division.



RECEIVED
SEP 28 1988
OIL CON. DIV.
DIST. 3

CERTIFICATION

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

Robert C. Frank

Name
Robert C. Frank

Position
Permit Coordinator

Company
Union Texas Petroleum

Date
September 20, 1988

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
Original on file

Registered Professional Engineer and/or Land Surveyor

Certificate No.

