

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 14, 1997

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RECEIVED
FEB 17 1997

OIL CON. DIV.
DIST. 3

Re: Johnston A Com G #17 *A*
800'FNL, 1080'FEL Section 36, T-26-N, R-06-W, Rio Arriba County, NM
API #30-039-20767

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde, Ensenada Gallup and Basin Dakota pools in the subject well. This well was originally drilled as a single Dakota. The Mesa Verde and Gallup pools were opened in 1996. An application for this commingling was submitted to you in December 1996, and further information was requested by your staff. We are now submitting to you a revised application, including the requested information.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for the Dakota and anticipated production curves for the Mesa Verde and Gallup;
4. Notification list of offset operators;
5. Shut in wellhead pressure and calculated down hole pressure;
6. Nine-section plats for the Mesa Verde, Gallup and Dakota.

If you are a working, overriding or royalty interest owner in either of the above described pools, you are being notified of this application as a requirement of the New Mexico Oil Conservation Division Rule #303C. Burlington, as operator, believes this application will be in the best interest of all owners. If you have no objection to this commingling application, you do not have to respond to this notification. Upon establishment of production from this well, you will receive your proportionate share of revenues from the pool in which you own an interest according to the proposed allocation formula. The allocation formula is included showing the calculations.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator

xc: State Land Office

RECEIVED
FEB 17 1997

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

BURLINGTON RESOURCES
Operator

PO BOX 4289 FARMINGTON, NM 87499
Address

JOHNSTON A COM G
Lease

17
Well No.

A- 36 -26N-6W
Unit Ltr. - Sec - Twp - Rge

RIO ARRIBA
County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 014538 Property Code 7207 API NO. 30-039-20767 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	BLANCO MESAVERDE - 72319	ENSENADA GALLUP-96321	BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	5084-5352'	6230-6582'	7098-7357'
3. Type of production (Oil or Gas)	GAS	GAS	GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
5. Bottomhole Pressure	(Current) a. 544 psi (see attachment)	a. 1333psi (see attachment)	a. 1116 psi (see attachment)
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1114 psi (see attachment)	b. 1333psi (see attachment)	b. 2952 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1186	BTU 1202	BTU 1186
7. Producing or Shut-In?	SHUT - IN	SHUT - IN	SHUT - IN
Production Marginal? (yes or no)	NO	YES	YES
* If Shut-In and oil/gas/water rates of last production	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:

Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data

District I
PO Box 1788, Hobbs, NM 88241-1988
District II
PO Drawer 00, Artesia, NM 88211-0719
District III
688 Elm Branch 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-
Revised February 21, 1996
Instructions on b
Submit to Appropriate District Of
State Lease - 4 Co
Fee Lease - 3 Co

☐ AMENDED REPC

WELL LOCATION AND ACREAGE DEDICATION PLAT

APR Number 30-039-20767	Foot Code 72319/96321/71599	Foot Name Basin Dakota Blanco Mesaverde/Ensenada Gallup/ Property Name Johnston A Com. G
Property Code 7207	Operator Name MERIDIAN OIL INC.	Well Number 17
OGRID No. 14538	Survey 6576'	

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
A	36	26 N	6 W		800	North	1080	East	R.A.

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

12 Dedicated Acre
E/320
160-7/320

13 Joint or Infill
160-7/320

14 Commencement Code
160-7/320

15 Order No.
160-7/320

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

16 Not resurveyed, prepared
from a plat dated 5-18-78
by David O. Vilven.

17 OPERATOR CERTIFICATION

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

Peggy Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
7-15-96
Date

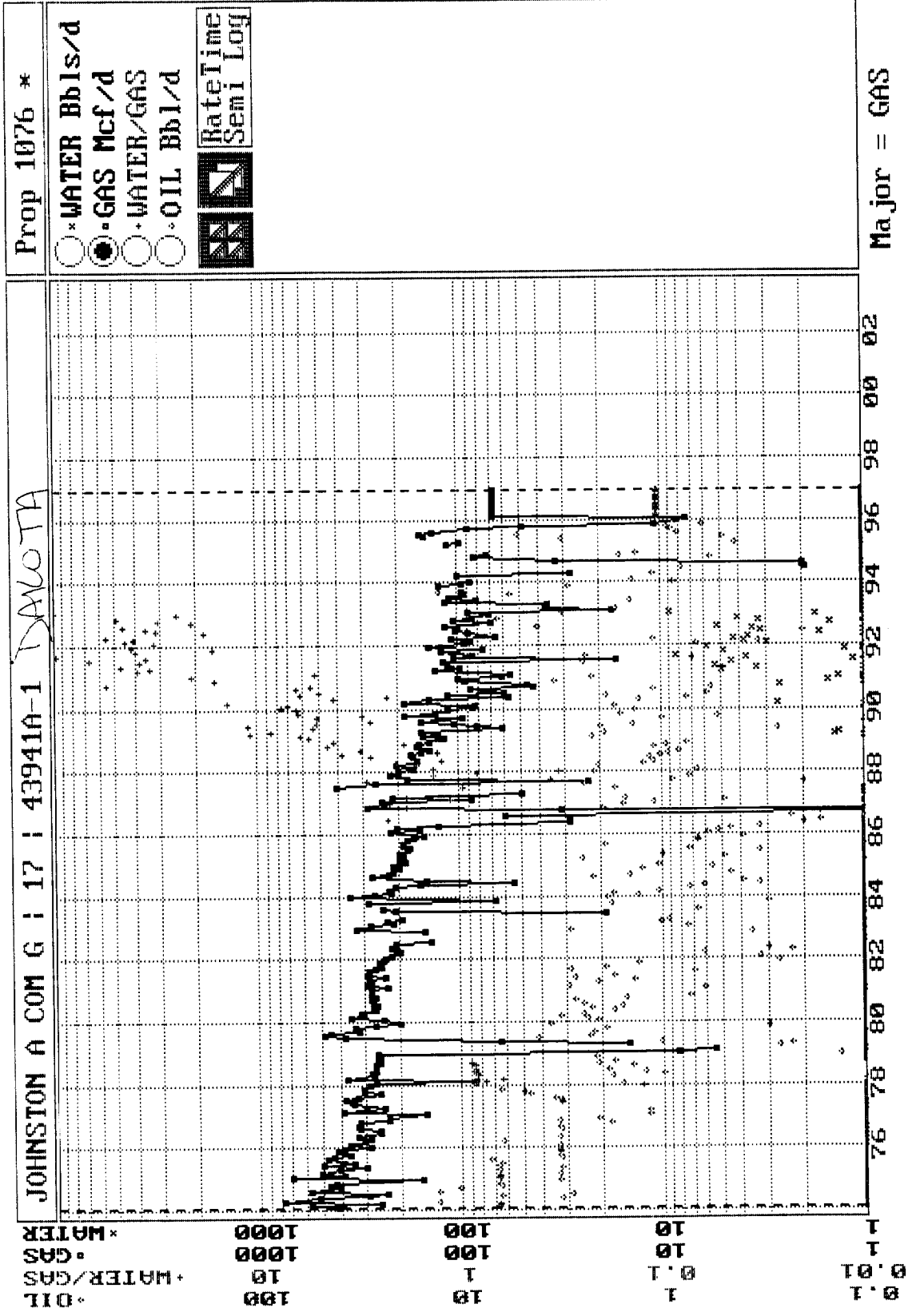
18 SURVEYOR CERTIFICATION

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

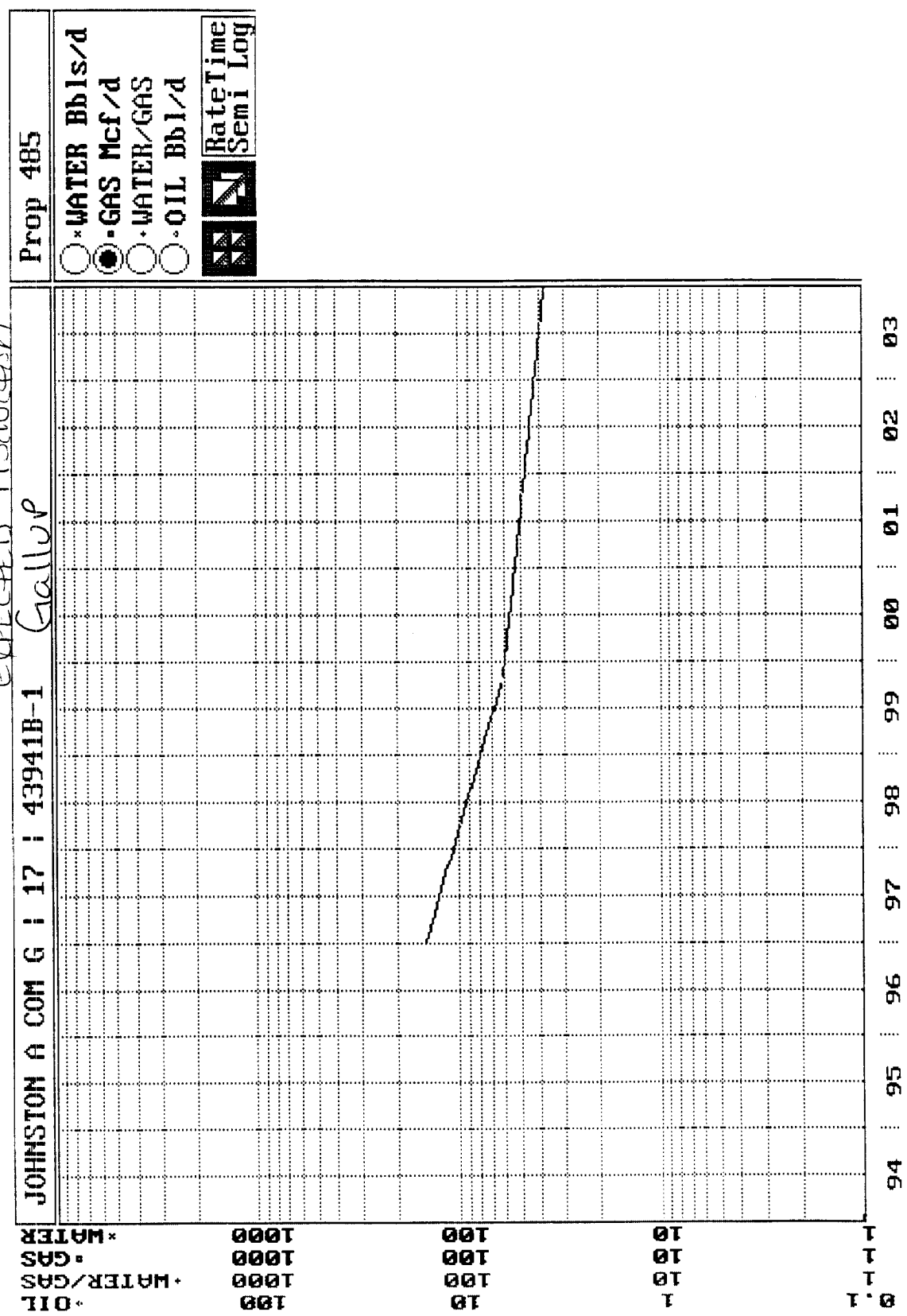
7-11-96
Date of Survey
Signature
H. C. EDWARDS
8857
8857
8857

RECEIVED
JUL 16 1996

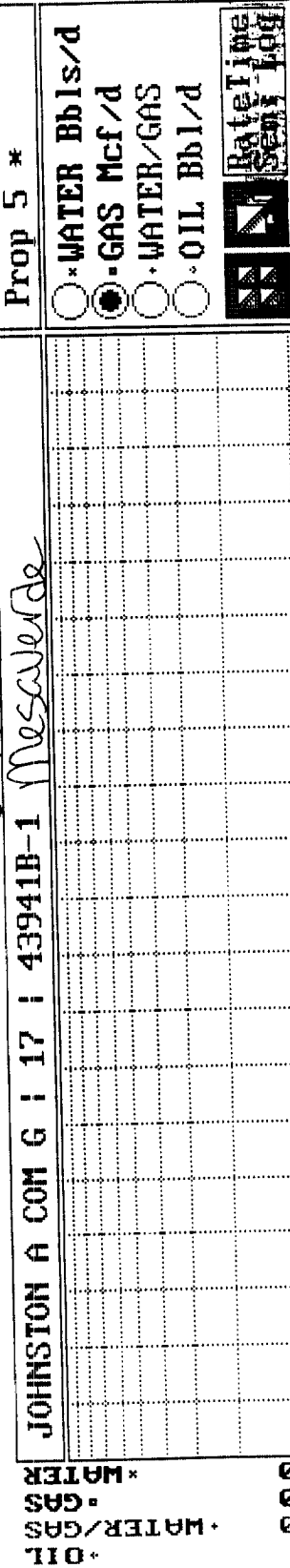
OIL CON. DIV.
DIST. 3



Expected Production



Expected Production

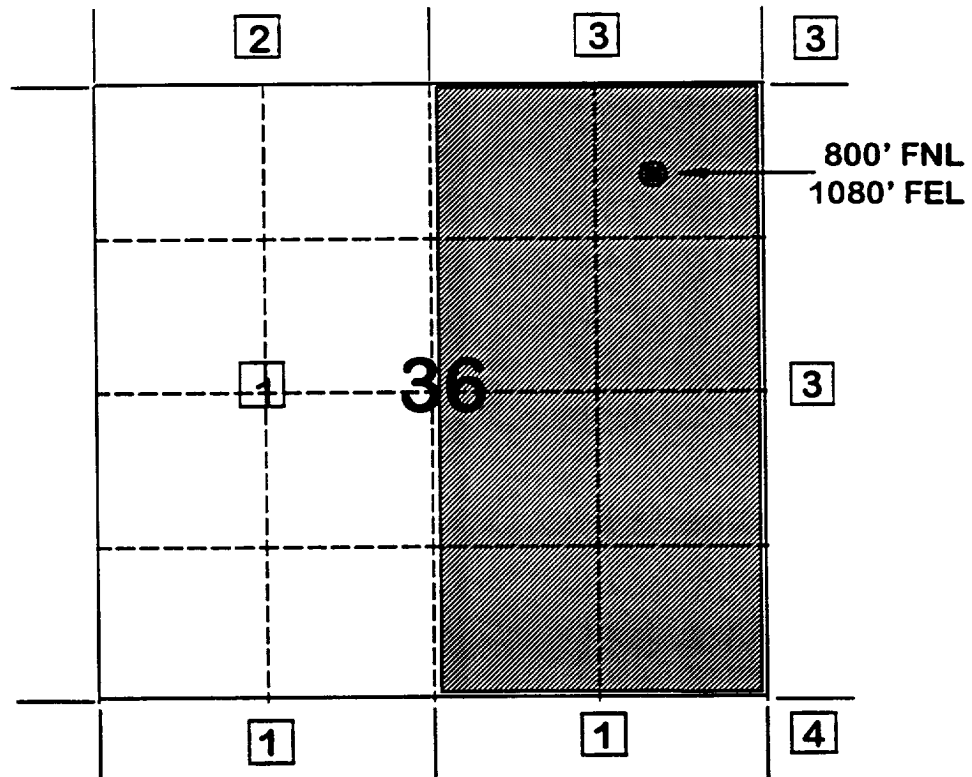


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Johnston A Com G #17
OFFSET OPERATOR \ OWNER PLAT**

Gallup (NE/4)/Mesaverde (E/2)/Dakota (E/2) Formations Commingle Well

Township 26 North, Range 6 West



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
 - 2) Caulkins Oil Company
P.O. Box 340
Bloomfield, NM 87413
 - 3) Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201
 - 4) Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500
- Caulkins Oil Company
2100 Colorado Bank Building
Denver, CO 80202

DATE: 12/10/96

EL PASO PRODUCTION COMPANY
EXHIBIT 'A',
JOHNSTON A COM G #17
RIO ARRIBA, NEW MEXICO

PAGE 1
PID# 012616803
DO# 814520-00

* OFFICE USE ONLY *
* *
* PC OWNER # *

NAME AND ADDRESS

LSE/ EPPC GAS
TRT INTEREST %

1. 1 013805-01	THEODORE J BLECHAR EXECUTOR MARGARET ESTELLE BLECHAR ESTAT 138 LA CANADA WAY SANTA CRUZ , CA 95060 SSN OR TAX ID: 050-20-9179	B 0.004630 ORRI B 0.023148 ORRI TOTAL 0.027778
2. 1 013806-01	MARTHA LOU DIXON 311 TAGGARD BURNET , TX 78611 SSN OR TAX ID: 450-30-4495	B 0.023148 ORRI B 0.010417 ORRI B 0.052083 ORRI B 0.004630 ORRI TOTAL 0.090278
3. 1 017410-01	ANITA BRIGGS 712 RALEIGH ST OXFORD , NC 27565 SSN OR TAX ID: 457-54-4267	B 0.010416 ORRI B 0.052084 ORRI B 0.023148 ORRI B 0.004630 ORRI TOTAL 0.090278
4. 1 038375-01	STATE OF NEW MEXICO PO BOX 1148 SANTA FE , NM 87501 SSN OR TAX ID: 85-6000565	A 3.125000 RI B 1.562500 RI B 7.812500 RI TOTAL 12.500000
5. 1 040905-01	ROBERT W SMITH & THELMA M SMITH CO-PERS REPS DAVID B GARTNER EST PO BOX 1034 PAGOSA SPRINGS , CO 81147 SSN OR TAX ID: 525-36-9095	B 0.025000 ORRI B 0.125000 ORRI TOTAL 0.150000
6. 1 057790-01	MATIAS A & EMELINE L ZAMORA REVOCABLE TRUST U/T/A 2/5/91 2862 PLAZA AMARILLA SANTA FE , NM 87505 SSN OR TAX ID: 525-46-7286	B 0.031250 ORRI B 0.006250 ORRI TOTAL 0.037500
7. 1 075355-01	PEARL W SIEGENTHALER PO BOX 1020 ARTESIA , NM 88211 SSN OR TAX ID: 525-03-8115	B 0.003472 ORRI B 0.017361 ORRI TOTAL 0.020833
8. 1 078576-01	THEODORE J BLECHAR 138 LA CANADA WAY SANTA CRUZ , CA 95060 SSN OR TAX ID: 050-20-9179	B 0.010417 ORRI B 0.052083 ORRI TOTAL 0.062500
9. 1 101191-02	H LIMITED PARTNERSHIP PO BOX 2185 SANTA FE , NM 87504 SSN OR TAX ID: 85-0436556	B 0.333333 ORRI B 0.003472 ORRI B 1.666667 ORRI B 0.017361 ORRI TOTAL 2.020833

10. 1 999021-01

BURLINGTON RESOURCES O&G CO
801 CHERRY ST
FORT WORTH , TX 76102
SSN OR TAX ID: 41-1400579

A	21.875000	WI
B	10.100000	WI
B	52.604167	WI
B	0.420833	WI
TOTAL	85.000000	

**** DIVISION ORDER TOTAL ---->

100.000000

DATE: 12/10/96

MERIDIAN OIL INC.

DOS722NB

DIVISION ORDER WITH BEARER CODE

PAGE: 1

D/O NUM	PROD	DP	NUM	WELL NAME/OPERATOR	ST	COUNTY	PROPERTY
81452000	GAS	43941A	JOHNSTON A COM G 17	Y	NM	RIO ARRIBA	012616803
BURLINGTON RESOURCES O&G CO							

BC: NONE

OWNER	OWNER NAME	LR	P/S	REASON FOR SUSP	INT	TYPE	BPO %
999021-01	BURLINGTON RESOURCES O&G CO	A	PAY	NWI			21.875000
		B	PAY	NWI			10.100000
		B	PAY	NWI			52.604167
		B	PAY	NWI			0.420833
		NWI TOTAL ----->					85.000000

BC: 001
BC OWNER

BC %

BC OWNER

BC %

BC OWNER

999021-01 BURLINGTON RESOURCES 100.000000

OWNER	OWNER NAME	LR	P/S	REASON FOR SUSP	INT	TYPE	BPO %
038375-01	STATE OF NEW MEXICO	A	PAY	RI			3.125000
		B	PAY	RI			1.562500
		RI TOTAL ----->					4.687500

013805-01	MARGARET ESTELLE BLECHAR ESTAT	B	PAY	ORRI			0.004630
013806-01	MARTHA LOU DIXON	B	PAY	ORRI			0.004630
		B	PAY	ORRI			0.010417
017410-01	ANITA BRIGGS	B	PAY	ORRI			0.010416
		B	PAY	ORRI			0.004630
040905-01	DAVID GARTNER DECD	B	PAY	ORRI			0.025000
057790-01	MATTIAS A & EMELINE L ZAMORA TR	B	PAY	ORRI			0.006250
075355-01	PEARL W SIEGENTHALER	B	PAY	ORRI			0.003472
078576-01	THEODORE J BLECHAR	B	PAY	ORRI			0.010417
101191-02	H LIMITED PARTNERSHIP	B	PAY	ORRI			0.333333
		B	PAY	ORRI			0.003472
		ORRI TOTAL ----->					0.416667

BC: 002
BC OWNER

BC %

BC OWNER

BC %

999021-01 BURLINGTON RESOURCES 100.000000

OWNER	OWNER NAME	LR	P/S	REASON FOR SUSP	INT	TYPE	BPO %
038375-01	STATE OF NEW MEXICO	B	PAY	RI			7.812500
		RI TOTAL ----->					7.812500

DATE: 12/10/96

MERIDIAN OIL INC.

DOS722NB

D/O NUM PROD DP NUM WELL NAME/OPERATOR

DIVISION ORDER WITH BEARER CODE

ST COUNTY

PAGE:

2

81452000 GAS 43941A JOHNSTON A COM G 17
BURLINGTON RESOURCES O&G CO

PROPERTY

NM RIO ARRIBA

OWNER	OWNER NAME	LR	P/S	REASON FOR SUSP	INT	TYPE	BPO %
013805-01	MARGARET ESTELLE BLECHAR ESTAT	B	PAY		ORRI		0.023148
013806-01	MARTHA LOU DIXON	B	PAY		ORRI		0.023148
		B	PAY		ORRI		0.052083
017410-01	ANITA BRIGGS	B	PAY		ORRI		0.023148
		B	PAY		ORRI		0.052084
040905-01	DAVID GARTNER DECD	B	PAY		ORRI		0.125000
057790-01	MATIAS A & EMELINE L ZAMORA TR	B	PAY		ORRI		0.031250
075355-01	PEARL W SIEGENTHALER	B	PAY		ORRI		0.017361
078576-01	THEODORE J BLECHAR	B	PAY		ORRI		0.052083
101191-02	H LIMITED PARTNERSHIP	B	PAY		ORRI		1.666667
		B	PAY		ORRI		0.017361
				ORRI TOTAL	----->		2.083333

FDG055M4 GF16
START OF DATA
DP NO: 43941A
JOHNSTON A COM G
S

WELL PRODUCTION 8/8'S VOLUME

02/13/97 12:33:2

DATE: 970211 (YYMMDD FORMAT)

17 SCROLL FORWARD BY DATE: _

E	DATE	HOURS	-OIL PRODN-	-GAS PRODN-	-WATER PRODN-
L	PRODUCED	ON	(BOPD BOPM)	(MCFD MCFM)	(BWPD BWPM)
-	02/11/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/10/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/09/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/08/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/07/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/06/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/05/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/04/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/03/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/02/97	0.0	0.00 0.00	0 0	0.00 0.00
-	02/01/97	0.0	0.00 0.00	0 0	0.00 0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP
B MY JOB LU #18

mesaverde

Page No.: 1
Print Time: Thu Feb 13 09:13:44 1997
Property ID: 5181
Property Name: VAUGHN | 33 | 54372A-1
Table Name: K:\ARIES\RR97PDP\TEST.DBF

Sohnston A Com G #17
Offset

--DATE-- ---CUM GAS-- M SIWHP
■■■■■■■■■■ ■■■■■■Mcf■■■■■■ ■■■■■■Psi■■■■■■

12/31/85	0	965.0	← original
02/03/86	39844	951.0	
09/09/86	103811	742.0	
10/21/87	211151	633.0	
02/15/89	332858	577.0	
05/07/89	352812	480.0	
01/24/91	446142	659.0	
08/03/91	475993	671.0	
07/06/93	590578	477.0	← current

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.702
COND. OR MISC. (C/M)	C
%N2	1.29
%CO2	0.59
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5205
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	965
BOTTOMHOLE PRESSURE (PSIA)	1114.1

VAUGHN #33 - MESAVERDE - ORIGINAL

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.702
COND. OR MISC. (C/M)	C
%N2	1.29
%CO2	0.59
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5205
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	477
BOTTOMHOLE PRESSURE (PSIA)	544.2

VAUGHN #33 - MESAVERDE - CURRENT

Page No.: 1
Print Time: Thu Feb 13 14:04:15 1997
Property ID: 61
Property Name: KLEIN | 28E | 54440B-1
Table Name: C:\ARIES\C139\TEST.DBF

Gallup

Closest offset

--DATE--	---	CUM	GAS--	M	SIWHP
08/12/96		0	1033.0		

08/12/96		0	1033.0		
----------	--	---	--------	--	--

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.704</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>1</u>
%CO2	<u>0.28</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>7112</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>200</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1103</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1332.7</u>

KLEIN #28E - GALLUP - CURRENT

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.704
COND. OR MISC. (C/M)	C
%N2	1
%CO2	0.28
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7112
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1103
BOTTOMHOLE PRESSURE (PSIA)	1332.7

KLEIN #28E - GALLUP - ORIGINAL

Page No.: 1

Print Time: Thu Feb 13 09:22:45 1997

Property ID: 1076

Property Name: JOHNSTON A COM G | 17 | 43941A-1

Table Name: K:\ARIES\RR97PDP\TEST.DBF

Dakota

--DATE-- ---CUM GAS-- M SIWHP
Mcf Psi

11/02/73	0	2422.0	← original
11/28/73	0	2423.0	
03/15/74	37655	1754.0	
06/04/74	86223	1528.0	
05/13/75	225575	1018.0	
04/13/76	352356	934.0	
05/18/77	465104	798.0	
07/25/79	656251	809.0	
06/16/81	856914	660.0	
10/25/83	1014955	630.0	
07/01/85	1142004	496.0	
06/03/88	1301603	472.0	
07/24/90	1397228	620.0	
09/18/92	1468215	537.0	
10/17/94	1513944	930.0	← current

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.681
COND. OR MISC. (C/M)	C
%N2	1.23
%CO2	0.28
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7335
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2422
BOTTOMHOLE PRESSURE (PSIA)	2951.8

JOHNSTON A COM G #17- ORIGINAL

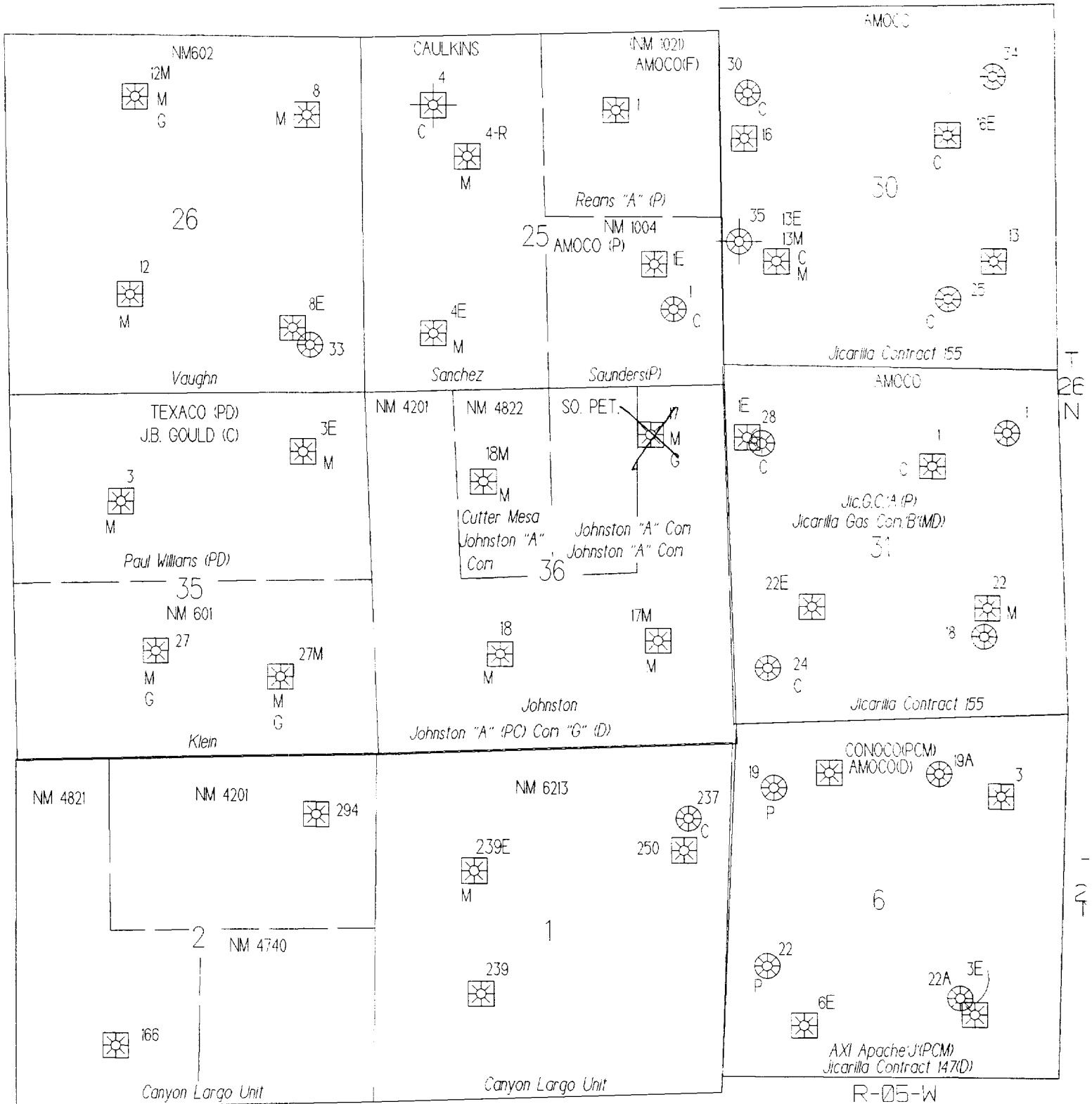
**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.681</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>1.23</u>
%CO2	<u>0.28</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>7335</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>200</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>930</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1116.2</u>

JOHNSTON A COM G #17- CURRENT

JOHNSTON A CDM G #17
T-26-N, R-06-W, SECTION 36
MESAVERDE, GALLUP, DAKOTA



R-06-W

R-05-W