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

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
New 3-12-96

APPROVAL PROCESS :
_X_ Administrative _Hearing

EXISTING WELLBORE
_X_ YES ___ NO

BURLINGTON RESOURCES OIL & GAS COMPANY (Operator) PO Box 4289, Farmington, NM 87499 (Address)

Huerfano Unit (Lease) 105 (Well No.) P, Sec. 29, T27N, R10W (Unit Ltr. - Sec - Twp - Rge) San Juan (County)

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7139 API NO. 30-045-0621000 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	Angels Peak Gallup		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	5640'-5666'		6276-6406'
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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured	(Current) a. 250 psia @ 5653'	a.	a. 536 psia @ 6341'
	(Original) b. 1354 psia @ 5653'	b.	b. 2484 psia @ 5653'
6. Oil Gravity (°API) or Gas BTU Content	1180 Btu		1257 Btu
7. Producing orShut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In 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: Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 8/98 Rates: 18 MCFD, 0 BOD, 0 BWD	Date: Rates:	Date: 8/98 Rates: 109 MCFD, 0.4 BOD, 0 BWD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: Will supply after commingling	Oil: Gas:	Oil: Gas: Will supply after commingling

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 _X_No
If not, have all working, overriding, and royalty interests been notified by certified mail? _X_Yes ___No
Have all offset operators been given written notice of the proposed downhole commingling? _X_Yes ___No

11. Will cross-flow occur? _X_ 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. X 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, orcommunitized 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 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: Kevin L. Midkiff TITLE Operations Engineer DATE 12-07-98

TYPE OR PRINT NAME Kevin L. Midkiff TELEPHONE NO. (505) 326-9700

Form C-128 (6-57)

EW MEXICO OIL CONSERVATION CO[illegible]ION

Application and Acreage Dedication Plat

Section A.

Date OCTOBER 22, 1958

Operator EL PASO NATURAL GAS COMPANY Lease HUERFANO SF 080810

Well No. 105(GD) Unit Letter P Section 29 Township 27-N Range 10-W NMPM

Located 800 Feet From SOUTH Line, 680 Feet From EAST Line

County SAN JUAN G.L. Elevation 6054 Dedicated Acreage 320 & 80 Acres

Name of Producing Formation DAKOTA & GALLUP Pool WILDCAT GALLUP & DAKOTA WILDCAT

1. Is the Operator the only owner [illegible] the dedicated acreage outlined on the plat below? Yes ___ No ___

2. If the answer to question one is "no" have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ___ No ___ If answer is "yes", Type of Consolidation.

3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner Land Description

RECEIVED DEC 1 [illegible] OIL CON. COM. DIST.

RECEIVED FEB 18 1971 OIL CON. COM. DIST. 3

Section B.

Note: All distances must be [illegible] from the outer boundaries of the section.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company

(Operator)

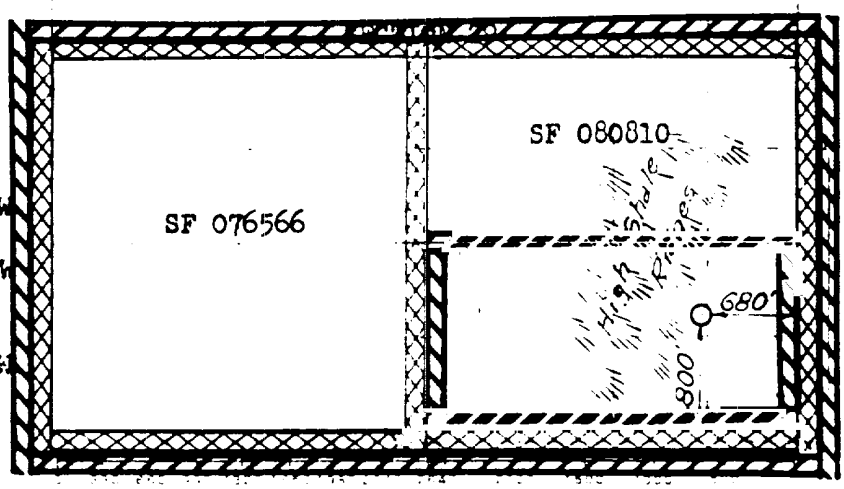
Original Signed F. H. WOOD

(Representative)

Box 990, Farmington, New Mexico

(Address)

February 16, 1971



NOTE: THIS PLAT IS RE-ISSUED TO SHOW DUAL COMPLETION WELL. 2 19 59

NOTE: THIS PLAT IS RE-ISSUED TO SHOW CHANGE IN ACREAGE DEDICATION. 2 26 59

NOTE: THIS PLAT IS RE-ISSUED TO SHOW CORRECTED GALLUP DEDICATION. 11 25 59

NOTE: THIS PLAT RE-ISSUED TO SHOW CHANGE IN DAKOTA DEDICATION. 2/4/71

Scale 1 inch equals 1 mile

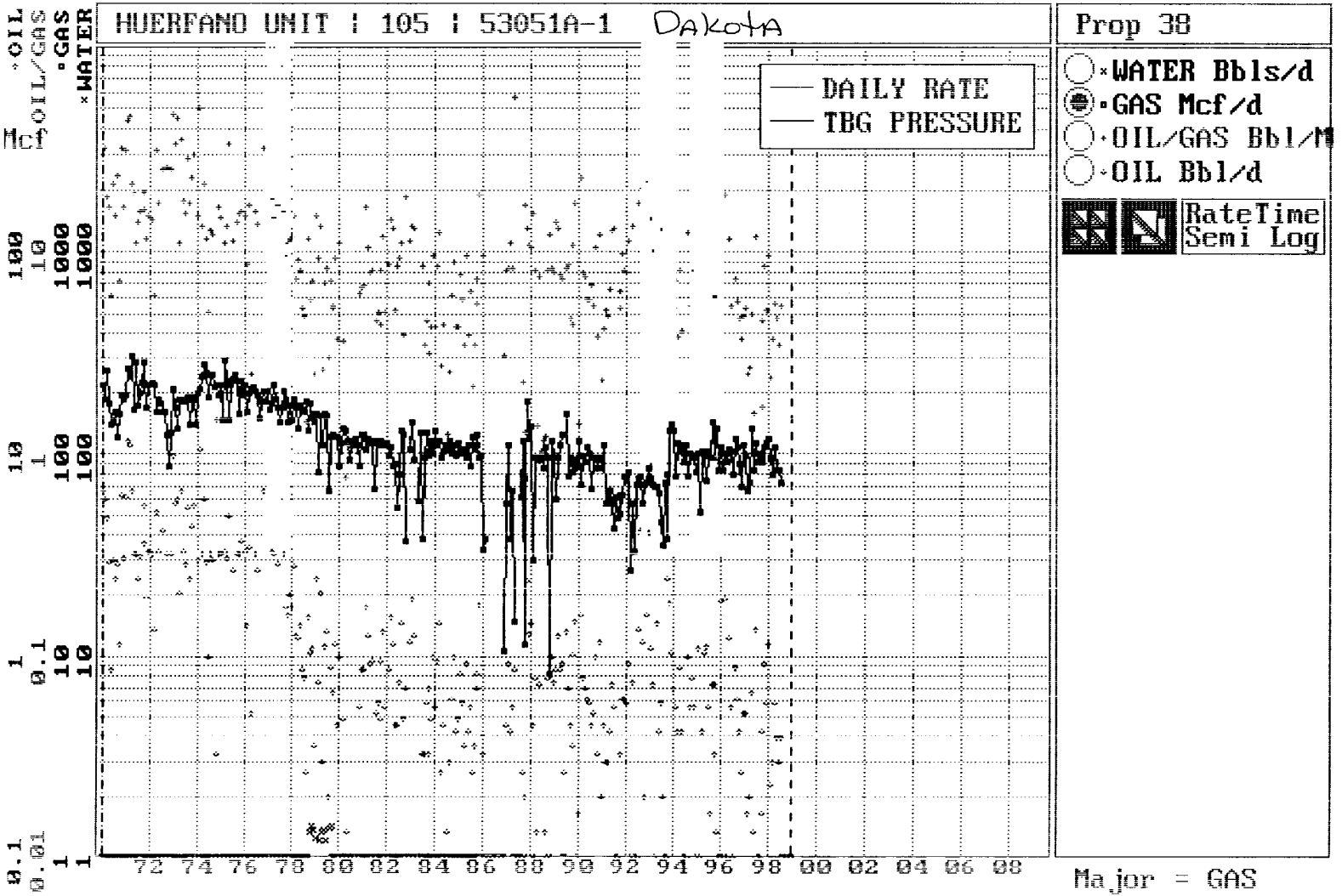
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

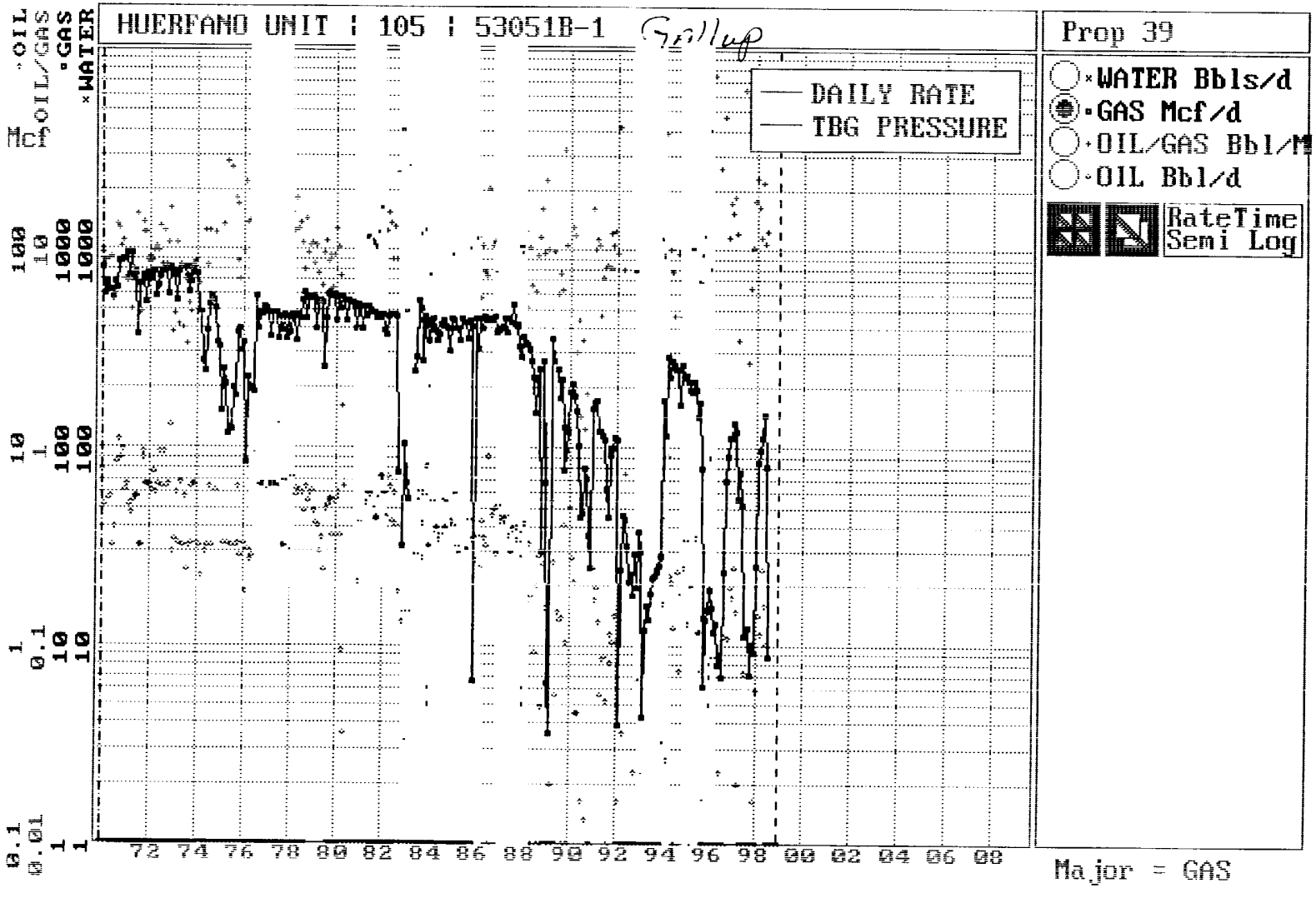
(Seal)

Date Surveyed OCTOBER 21, 1958

Farmington, New Mexico

Registered Professional Engineer and/or Land Surveyor


HUERFANO UNIT : 105 : 53051A-1
Dakota
Prop 38
DAILY RATE
TBG PRESSURE
WATER Bbls/d
GAS Mcf/d
OIL/GAS Bbl/M
OIL Bbl/d
RateTime
Semi Log
OIL
OIL/GAS
GAS
WATER
Mcf
100
10
1
0.1
0.01
1000
100
10
1
72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08
Major = GAS


HUERFANO UNIT : 105 : 53051B-1
Gallup
Prop 39
DAILY RATE
TBG PRESSURE
WATER Bbls/d
GAS Mcf/d
OIL/GAS Bbl/M
OIL Bbl/d
RateTime
Semi Log
OIL
OIL/GAS
GAS
WATER
Mcf
100 10 1000 1000
10 1 100 100
1 0.1 10 10
0.1 0.01 1 1
72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08
Major = GAS

Page No.: 1
Print Time: Mon Nov 23 11:25:18 1998
Property ID: 543
Property Name: HUERFANO UNIT | 105 | 53051A-1
Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF Dakota

--DATE--	---CUM_GAS-- Mcf	M_SIWHP Psi
11/23/58	0	1937.0
10/06/59	71000	1244.0
07/06/60	172000	1232.0
12/13/61	261000	658.0
07/02/62	297000	1034.0
04/15/63	356000	809.0
09/08/64	459000	800.0
01/06/65	479000	899.0
01/17/66	551000	714.0
01/04/67	594000	967.0
01/15/68	641000	754.0
06/26/69	705000	503.0
04/10/70	768747	866.0
06/16/71	852698	773.0
05/09/72	924403	822.0
06/13/73	988304	774.0
04/16/75	1128179	612.0
06/08/77	1284755	535.0
07/24/79	1402871	544.0
06/10/81	1482328	570.0
06/02/83	1548621	564.0
06/18/85	1626781	551.0
04/04/88	1686346	554.0
04/22/90	1751980	492.0
04/29/92	1804612	432.0
06/07/93	1835106	198.0
8/98	2015059	434

Based on Pressure vs. Cum. Gas Plot

Page No.: 2
Print Time: Tue Nov 10 07:44:58 1998
Property ID: 544
Property Name: HUERFANO UNIT | 105 | 53051B-1 Gallup
Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

--DATE--	---CUM_GAS-- Mcf	M_SIWHP Psi	
01/27/59	0	0.0	
01/21/59			1338 - Initial (Open Flow Test) (Well Records)
11/9/98			205 - Current (Based on 48 hr shut-in)

Huerfano Unit #105
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method

Version 1.0 3/13/94

Gallup

GL-Current

GAS GRAVITY	0.716
COND. OR MISC. (C/M)	M
%N2	0.95
%CO2	0.77
%H2S	0
DIAMETER (IN)	6.969
DEPTH (FT)	5653
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	140
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	217
BOTTOMHOLE PRESSURE (PSIA)	250.0

GL-Original

GAS GRAVITY	0.716
COND. OR MISC. (C/M)	M
%N2	0.95
%CO2	0.77
%H2S	0
DIAMETER (IN)	6.969
DEPTH (FT)	5653
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	140
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1150
BOTTOMHOLE PRESSURE (PSIA)	1363.6

Dakota

DK-Current

GAS GRAVITY	0.787
COND. OR MISC. (C/M)	M
%N2	1.03
%CO2	0.91
%H2S	0
DIAMETER (IN)	4.892
DEPTH (FT)	6341
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	446
BOTTOMHOLE PRESSURE (PSIA)	536.3

DK-Original

GAS GRAVITY	0.787
COND. OR MISC. (C/M)	M
%N2	1.03
%CO2	0.91
%H2S	0
DIAMETER (IN)	4.892
DEPTH (FT)	6341
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1949
BOTTOMHOLE PRESSURE (PSIA)	2484.0

FARMINGTON ANNUAL PRODUCTION FOR 53051A PHS020M1

HUERFANO UNIT 105

BASIN DAKOTA (PRORATED GAS) FIELD DAKOTA ZONE

====== OIL CUM =======			====== GAS CUM =======			==== WATER CUM =====	
PC	DATE	BBLS	PC	DATE	MCF	DATE	BBLS
02	6912	44093	01	6912	742983		

YEAR	OIL	OIL CUM	GAS	GAS CUM	WATER	WATER CUM
1990	248	55937	33828	1774364	22	523
1991	142	56079	23083	1797447	13	536
1992	327	56406	23938	1821385	14	550
1993	298	56704	27304	1848689	16	566
1994	179	56883	36326	1885015	22	588
1995	192	57075	36782	1921797	24	612
1996	253	57328	35737	1957534	23	635
1997	156	57484	35715	1993249	23	658
1998	110	57594	21810	2015059	14	672

POSITION CURSOR BY YEAR AND PRESS ENTER TO DISPLAY MONTHLY PRODUCTION

ENTER - CONTINUES ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE

PF6 - RETURN TO WELL-INFO DISPLAY PF9 - ANNUAL INJECTION DISPLAY

PF10 - HELP INFORMATION

00/00/00 00:00:00:0 D03 09/02/89

FARMINGTON 1998 MONTHLY PRODUCTION FOR 53051A PHS030M1
HUERFANO UNIT 105
BASIN DAKOTA (PRORATED GAS) FIELD DAKOTA ZONE

			DAYS	====== OIL =======			========== GAS ==========						
MO	T	S	CN	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD	C
1	2	F	31	02	35	55.7	01	3675	31	1256	15.025	2	
2	2	F	28	02	7		01	2942	28	1256	15.025	2	
3	2	F	31	02	9		01	2405	31	1256	15.025	2	
4	2	F	30	02	18		01	3268	30	1256	15.025	2	
5	2	F	31	02	12		01	2541	31	1256	15.025	2	
6	2	F	30	02	9		01	2568	30	1256	15.025	2	
7	2	F	17	02	12		01	2231	17	1256	15.025	1	
8	2	F	20	02	8		01	2180	20	1256	15.025	1	
9													
10													
11													
12													

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
00/00/00 00:00:00:0 PRS 10/03/98

FARMINGTON ANNUAL PRODUCTION FOR 53051B PHS020M1

HUERFANO UNIT 105

ANGELS PEAK GALLUP (ASSOCIATED FIELD GALLUP ZONE

====== OIL CUM =======		====== GAS CUM =======		==== WATER CUM =====	
PC	DATE	BBLS	PC	DATE	MCF	DATE	BBLS
00	6912	65713	03	6912	2957994		

YEAR	OIL	OIL CUM	GAS	GAS CUM	WATER	WATER CUM
1990	272	96306	39758	6276451	20	506
1991	373	96679	40524	6316975	20	526
1992	76	96755	12560	6329535	5	531
1993	17	96772	7350	6336885		531
1994	701	97473	82692	6419577	40	571
1995	404	97877	44339	6463916	21	592
1996	215	98092	15198	6479114	6	598
1997	160	98252	15585	6494699	7	605
1998	250	98502	17404	6512103	7	612

POSITION CURSOR BY YEAR AND PRESS ENTER TO DISPLAY MONTHLY PRODUCTION

ENTER - CONTINUES ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE

PF6 - RETURN TO WELL-INFO DISPLAY PF9 - ANNUAL INJECTION DISPLAY

PF10 - HELP INFORMATION

00/00/00 00:00:00:0 D03 09/02/89

FARMINGTON 1998 MONTHLY PRODUCTION FOR 53051B PHS030M1
HUERFANO UNIT 105
ANGELS PEAK GALLUP (ASSOCIATED FIELD GALLUP ZONE

			DAYS	====== OIL =======			========== GAS ==========						
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD	C
1	2	F	31	02	18	49.6	01	776	31	1180	15.025		
2	2	F	28	02	43		01	2620	28	1180	15.025	1	
3	2	F	31	02	35		01	2994	31	1180	15.025	1	
4	2	F	30	02	75		01	3444	30	1180	15.025	2	
5	2	F	31	02	48		01	4466	31	1180	15.025	2	
6	2	F	30	02	31		01	2475	30	1180	15.025	1	
7	2	F	18	02			01	269	18	1180	15.025		
8	2	F	20	02			01	360	20	1180	15.025		
9													
10													
11													
12													

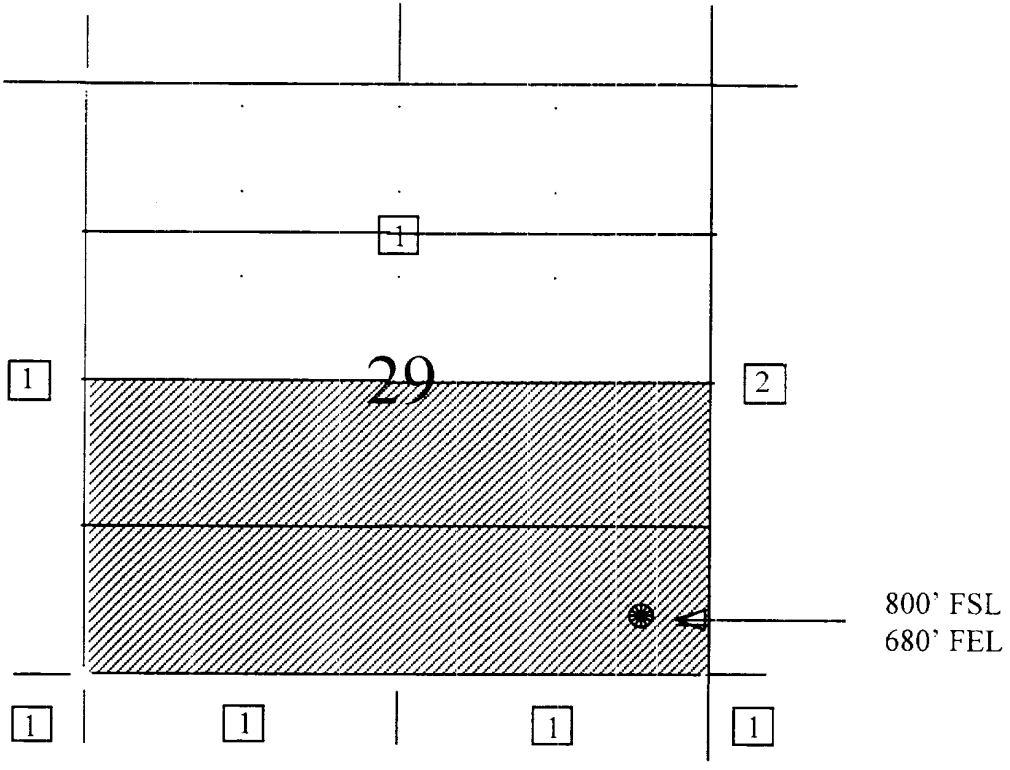
PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
00/00/00 00:00:00:0 PRS 10/03/98

BURLINGTON RESOURCES OIL AND GAS COMPANY

Huerfano Unit #105
OFFSET OPERATOR \ OWNER PLAT
Downhole Commingle

Dakota / Gallup Formations Well

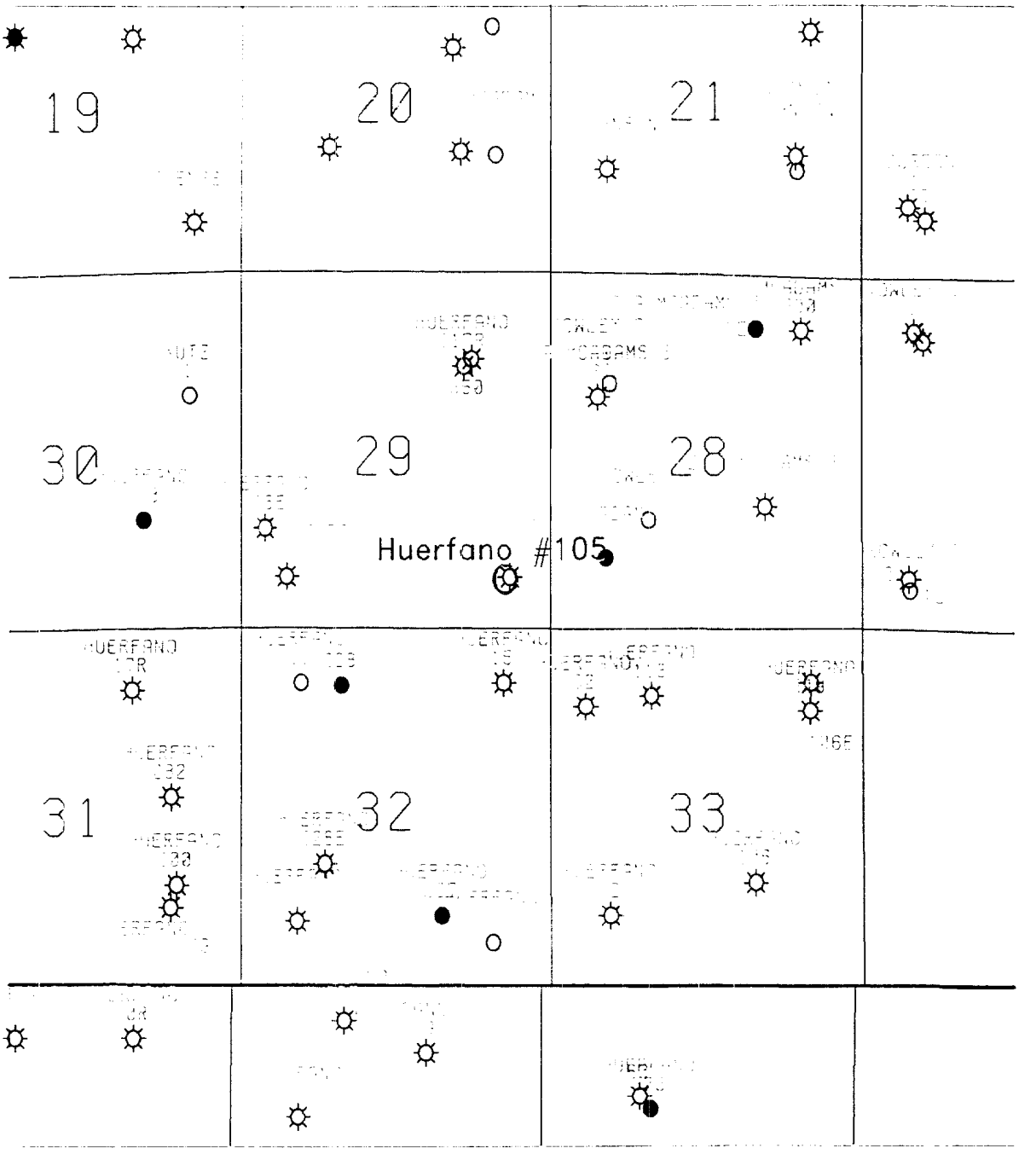
Township 27 North, Range 10 West



1) Burlington Resources

2) Cross Timbers Oil Company
6001 US Highway 64
Bloomfield, NM 87413

vkh 11-9-98



Huerfano #105

Sec 29, T27N, R10W

GL/DK

Robert Beamon, Trustee
Beamon/Lundell Group
2603 Augusta, Suite 1050
Houston, TX 77057

Benson Montin Greer
4900 College Blvd.
Farmington, NM 87402

McConnell Ltd. Co.
c/o NationsBank, Agent
PO Box 2546
Fort Worth, TX 76113-2546

Conoco Inc.
ATTN: Lori Thore
10 Desta Drive, Ste 100W
Midland, TX 79705-4500

Mr. Albert R. Greer
4900 College Blvd.
Farmington, NM 87402

Mr. Charles A. & Nancie A. Greer,
HC 75, Box 317
Lamy, NM 87540-9801

Hamilton Family Trust
c/o NationsBank, N.A.
PO Box 2546
Fort Worth, TX 76113-2546

Hanson McBride Petroleum Co.
PO Box 1515
Roswell, NM 88201

Mr. Langdon D. Harrison
11401 Penfield Lane, NE
Albuquerque, NM 87111

Frank S. Kelly Estate
963 Ratcliff Street
Shreveport, LA 71104-4811

Ms. Maryan Klinger Trust
Attn: Robert Klinger Trustee
2050 Angelica Circle
Stockton, CA 95207

La Plata Gathering System, Inc.
One Energy Square #852
4925 Greenville Avenue
Dallas, TX 75206-7010

Mrs. Julia B. Lilly, Indiv. &
Admin. U/W of O. J. Lilly
1906 Rock Creek Dr.
Round Rock, TX 78681

Margaret Doris McConnell
600 N. Broadway
Hobart, OK 73651

Prime Energy Corporation
c/o Asher Resources
14100 San Pedro Ave. Ste 314
San Antonio, TX 78232-4362

A & D Children's Trust
ATTN: Deborah Slaughter
963 Ratcliff
Shreveport, LA 71104

Mr. David William Walters
17761 Rockhurst Rd.
Castro Valley, CA 94546

McConnell Trust
c/o NationsBank, N.A.
PO Box 2546
Fort Worth, TX 76113-2546

Thomas H. Yates, Jr.
10500 N. Hwy 281, Ste 100
San Antonio, TX 78216

Pattie Beamon Lundell
1616 S. Voss #870
Houston, TX 77057

Randall T. Johnson, Trustee
c/o Sheryl A. Lundell Revoc. Trust
PENDING-IN PROGRESS
TRANSFER

Cross Timbers Oil Company
Attn: Vaughn Vennerberg
810 Houston St., Suite 2000
Fort Worth, TX 76102-6298

Robert Beamon, Trustee
Beamon/Lundell Group
2603 Augusta, Suite 1050
Houston, TX 77057

Benson Montin Greer
4900 College Blvd.
Farmington, NM 87402

McConnell Ltd. Co.
c/o NationsBank, Agent
PO Box 2546
Fort Worth, TX 76113-2546

Dianne & Homer N. Clees
1635 La Cumbre Ln
Nipomo, CA 93444

Conoco Inc.
ATTN: Lori Thore
10 Desta Drive, Ste 100W
Midland, TX 79705-4500

Mr. William J. Green
PO Box 1465
Midland, TX 79702

Mr. Albert R. Greer
4900 College Blvd.
Farmington, NM 87402

Mr. Charles A. & Nancie A. Greer,
HC 75, Box 317
Lamy, NM 87540-9801

Gross Oil Delaware Corporation
Ste. 2320, 150 E 58th St.
New York, NY 10155

Hamilton Family Trust
c/o NationsBank, N.A.
PO Box 2546
Fort Worth, TX 76113-2546

Mr. Langdon D. Harrison
11401 Penfield Lane, NE
Albuquerque, NM 87111

Eula May Johnston, 661
NCNB Texas Nat'l Bank U/A
PO Box 2546
Fort Worth, TX 76113

James J. Johnston Estate
c/o Betty T. Johnston, Lyle E. Carbaugh &
Paul M. Hardwick, Indep. Executors
2425 Fountainview #310
Houston, TX 77057

V. A. Johnston Family Trust
PO Box 925
Ralls, TX 79357

Frank S. Kelly Estate
963 Ratcliff Street
Shreveport, LA 71104-4811

Ms. Maryan Klinger Trust
Attn: Robert Klinger Trustee
2050 Angelica Circle
Stockton, CA 95207

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Admin. U/W of O. J. Lilly
1906 Rock Creek Dr.
Round Rock, TX 78681

Margaret Doris McConnell
600 N. Broadway
Hobart, OK 73651

June E. MacDonald, Pers. Rep.
c/o Ola E. Callahan Estate
1219 Lexington Drive
Vista, CA 92084

Prime Energy Corporation
c/o Asher Resources
14100 San Pedro Ave. Ste 314
San Antonio, TX 78232-4362

Rogers-Gibbard Trust
ATTN: Ms. Susan R. Eveland
6804 La Costa Drive
Tyler, TX 75703-9613

A & D Children's Trust
ATTN: Deborah Slaughter
963 Ratcliff
Shreveport, LA 71104

Sunland Refining Corp.
PO Box 1345
Bakersfield, CA 93312-1345

Mr. David William Walters
17761 Rockhurst Rd.
Castro Valley, CA 94546

McConnell Trust
c/o NationsBank, N.A.
PO Box 2546
Fort Worth, TX 76113-2546

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10500 N. Hwy 281, Ste 100
San Antonio, TX 78216

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Randall T. Johnson, Trustee
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TRANSFER

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Attn: Vaughn Vennerberg
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Fort Worth, TX 76102-6298