

DATE: 7/29/98	SUSPENSE: 8/18/98	ENGINEER: DC	LOGGED BY: KW	TYPE: DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2040 South Pacheco, Santa Fe, NM 87505



204

ADMINISTRATIVE APPLICATION COVERSHEET

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

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] 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

[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 - Certification

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 (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

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

Print or Type Name

Signature

Title

Date

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 :
X Administrative
Hearing
EXISTING WELLBORE
X YES NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas PO Box 4289, Farmington, NM 87499

Operator Address
McDurmitt #1 G 6-31N-12W San Juan
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
Spacing Unit Lease Types: (check 1 or more)
OGRID NO. 14538 Property Code 7306 API NO. 30-045-11845 Federal X State Fee X

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Mesa Verde - 72319		Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4698'-4909'		6862'-6982'
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: Gas & Oil - Flowing: All Gas Zones: Estimated or Measured Original	(Current) a. 677 psi (see attachment)		a. 803 psi (see attachment)
	(Original) b. 1238 psi (see attachment)		b. 2246 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1138		BTU 1163
7. Producing or Shut-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 * If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: N/A Rates:		Date: N/A Rates:
	Date: 5/1/98 Rates: 8.00 mcf/d 0.00 bopd		Date: 5/1/98 Rates: 3.00 mcf/d 0.00 bopd
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		Will be supplied upon completion.

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, 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. 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 Mary Ellen Lutey TITLE Production Engineer DATE 7/27/98
TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator EL PASO NATURAL GAS COMPANY		Lease MC DURMITT		Well No. NM-019413 1. (MD)	
Unit Letter G	Section 6	Township 31-N	Range 12-W	County SAN JUAN	

Actual Footage Location of Well:
1770 feet from the **NORTH** line and **1650** feet from the **EAST** line

Ground Level Elev. 6050	Producing Formation MESAVERDE-DAKOTA	Pool BLANCO-MESAVERDE-&-BASIN DAK.	Dedicated Acreage: 312.76 Acres
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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 **Communitization**

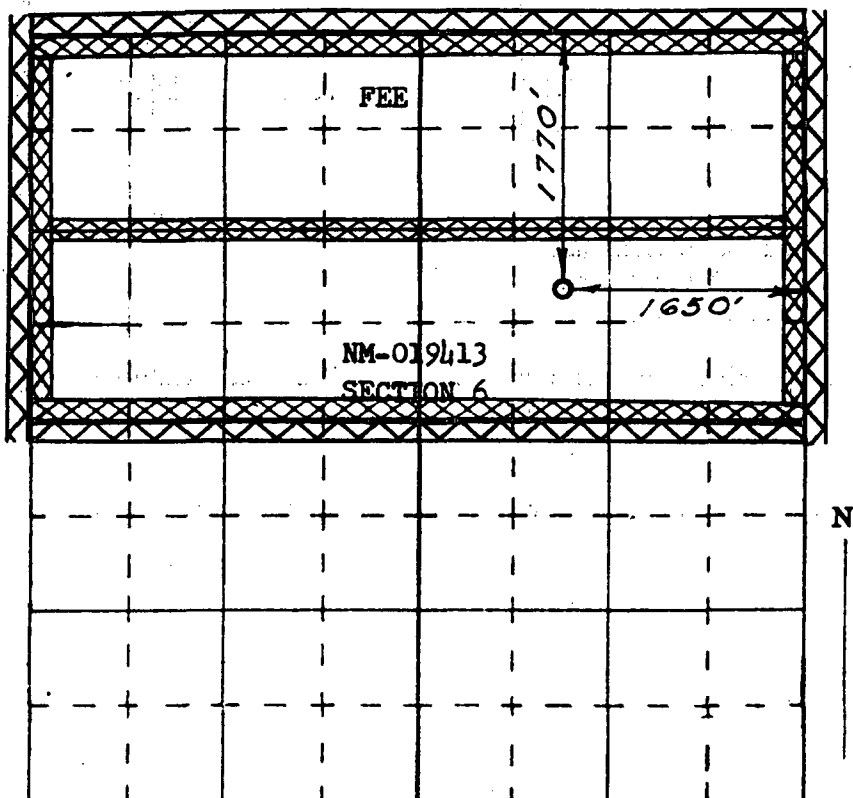
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

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.

Original Signed **F. H. WOOD**
 Name
Petroleum Engineer
 Position
El Paso Natural Gas Company
 Company
October 19, 1966
 Date

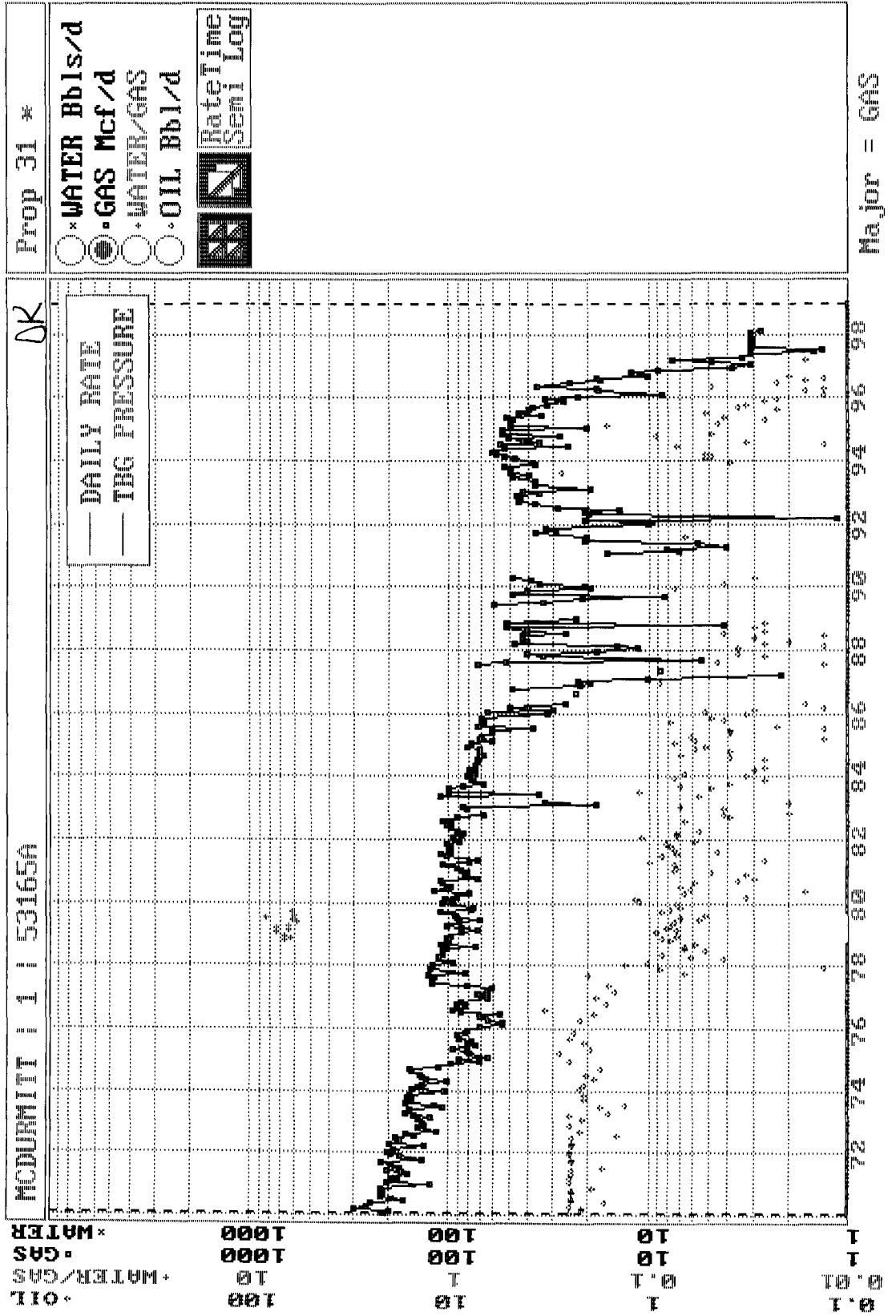


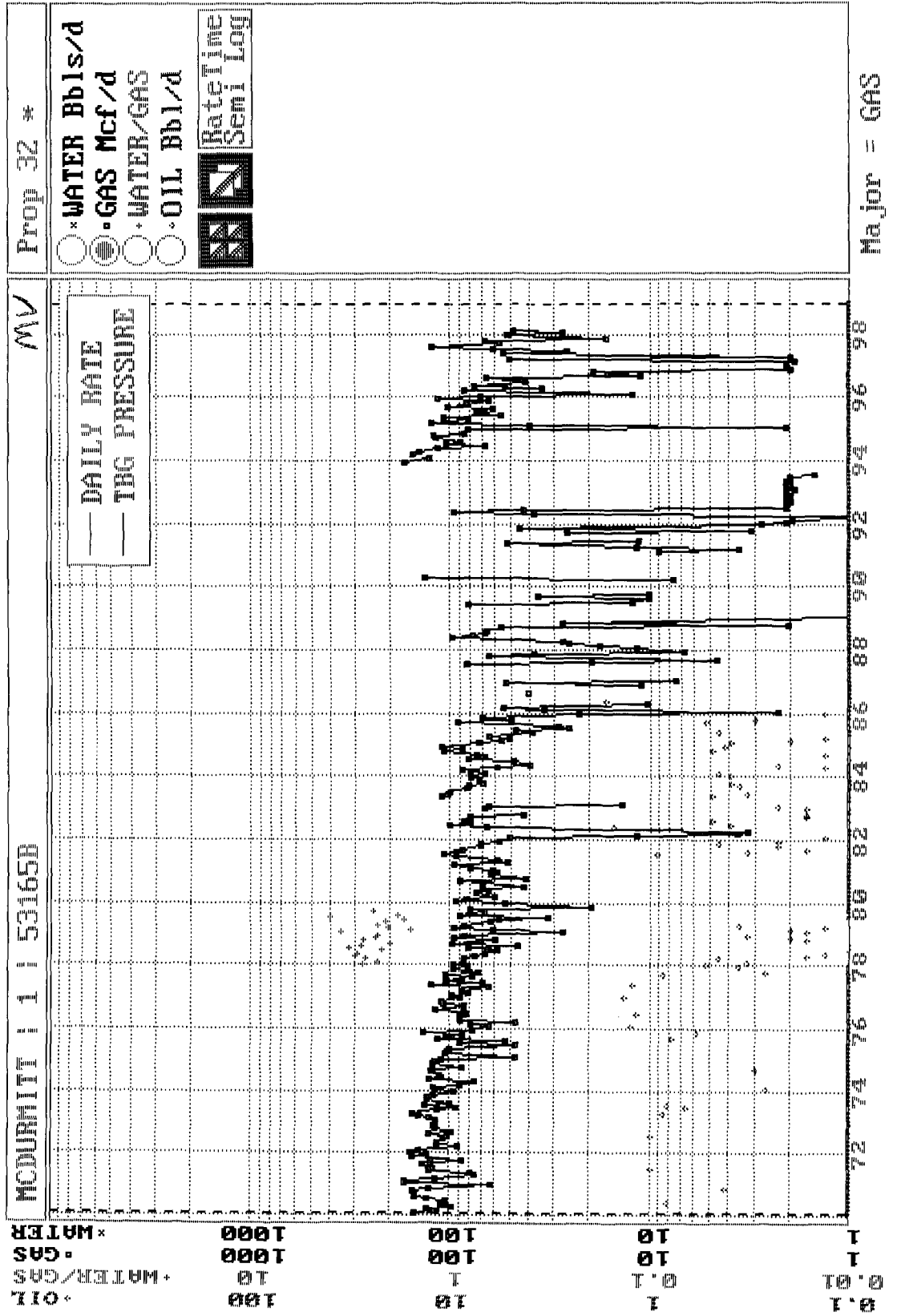
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **JULY 18, 1966**
 Registered Professional Engineer
 and/or Land Surveyor
R. D. Villanueva
 Certificate No. **1760**

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

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	<u>0.686</u>	GAS GRAVITY	<u>0.698</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.97</u>	%N2	<u>0.30</u>
%CO2	<u>1.77</u>	%CO2	<u>1.84</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>7</u>	DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>4803</u>	DEPTH (FT)	<u>6922</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>185</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>600</u>	SURFACE PRESSURE (PSIA)	<u>675</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>676.5</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>802.9</u>
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	<u>0.686</u>	GAS GRAVITY	<u>0.69</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.97</u>	%N2	<u>0.30</u>
%CO2	<u>1.77</u>	%CO2	<u>1.84</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>7</u>	DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>4803</u>	DEPTH (FT)	<u>6922</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>185</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1088</u>	SURFACE PRESSURE (PSIA)	<u>1850</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1237.9</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>2246.0</u>





DK

Page No.: 1
Print Time: Mon Jun 29 13:38:19 1998
Property ID: 31
Property Name: MCDURMITT | 1 | 53165A
Table Name: S:\ARIES\1998CMGA\TEST.DBF

--DATE--	--CUM OIL-- Bbl	---CUM GAS--- Mcf	M SIWHP Psi
12/07/66		0	1837.0
12/14/66		0	1850.0
06/23/67		70000	1351.0
01/16/68		133000	1292.0
07/09/70		344944	1054.0
05/25/71		403784	1030.0
07/06/72		481947	932.0
07/25/73		532710	950.0
04/02/75		612282	865.0
05/25/77		670392	797.0
05/07/79		747010	789.0
05/18/81		814734	785.0
06/01/83		875649	786.0
07/17/85		931625	711.0
12/18/85		0	1314.0
03/09/88		960121	718.0
04/22/90		986543	764.0
05/29/92		1002529	685.0
5/1/98		1052771	675

my

Page No.: 2
 Print Time: Mon Jun 29 13:38:19 1998
 Property ID: 32
 Property Name: MCDURMITT | 1 | 53165B
 Table Name: S:\ARIES\1998CMGA\TEST.DBF

--DATE--	--CUM OIL-- Bbl	---CUM GAS-- Mcf	M SIWHP Psi
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12/14/66		0	1088.0
06/23/67		43000	757.0
07/03/68		100000	687.0
06/20/69		158000	624.0
04/20/70		197178	565.0
05/25/71		246026	467.0
07/06/72		298765	467.0
04/23/74		373843	402.0
04/28/76		443559	405.0
04/18/78		510000	405.0
08/05/80		565226	472.0
10/16/80		571515	452.0
05/17/82		607813	505.0
08/17/84		661798	437.0
10/08/89		731042	526.0
05/15/91		731266	562.0
08/13/91		742999	574.0
12/29/93		756890	637.0

5/1/98 857,423 600

DK

FARMINGTON

1998 MONTHLY PRODUCTION FOR 53165A

PHS030M1

MCDURMITT 1

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

DAYS =====					OIL =====			=====			GAS =====			
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F	31	02			01	95	31		15.025			
2	2	F	28	02			01	85	28		15.025			
3	2	F	31	02			01	95	31		15.025			
4	2	F	30	02			01	92	30		15.025			
5	2	F	31	02			01	95	31		15.025			
6														
7														
8														
9														
10														
11														
12														

3.0645 mcf/d for May

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0

PRS 07/03/98

mv

FARMINGTON 1998 MONTHLY PRODUCTION FOR 53165B PHS030M1
MCDURMITT 1
BLANCO MESAVERDE (PRORATED GAS FIELD MESAVERDE ZONE

DAYS =====			OIL =====		=====		GAS =====							
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F					01	844	31	1170	15.025			
2	2	F					01	1480	28	1170	15.025			
3	2	F					01	64	31	1170	15.025			
4	2	F					01	405	30	1170	15.025			
5	2	F					01	251	31	1170	15.025			
6								8.0968 mcf for May						
7														
8														
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 07/03/98

V. A. Johnston Family Trust
c/o Katherine Prewitt & Michael A. Chesser,
Co-Trustees
1402 Watts
P.O. Box 925
Ralls, TX 79357

Estate of James J. Johnston
Betty T. Johnston, Lyle E. Carbaugh &
Paul M. Hardwick, Independent Executor
2425 Fountainview #310
Houston, TX 77057

Orville C. Rogers
3840 West Bay Circle
Dallas, TX 75214

NationsBank, N.A.
Trust Minerals
P.O. Box 2546
Fort Worth, TX 76113-2546

*Interest owners for McDermitt #1
DHC*

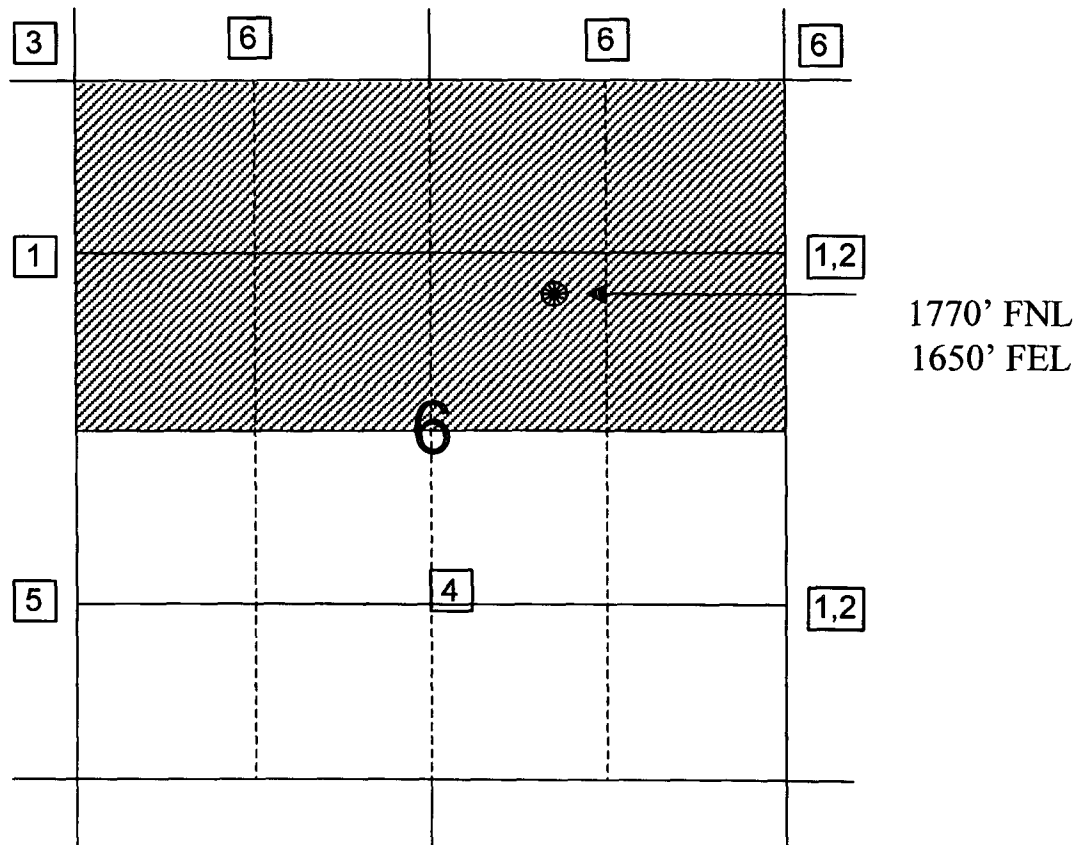
BURLINGTON RESOURCES OIL AND GAS COMPANY

McDermitt #1

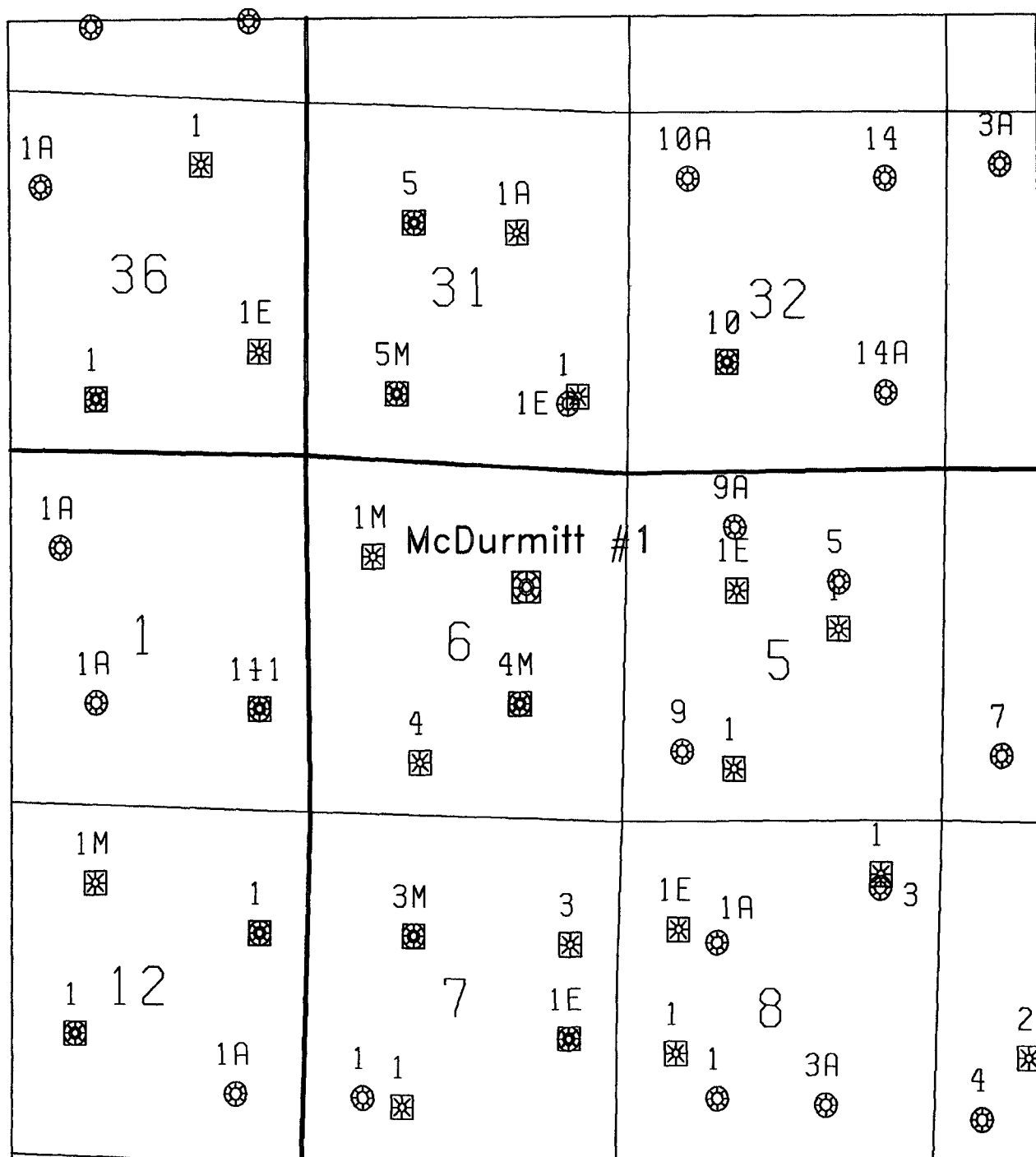
Offset Operator/Owner Plat

Mesaverde / Dakota Formations Commingle Well

Township 31 North, Range 12 West



- 1) Burlington Resources
- 2) Chateau Oil & Gas, Inc., 5950 Berkshire Lane, Ste. 275, Dallas, TX 75225
- 3) Texaco Exploration & Production, Inc., P.O. Box 2100, Denver, CO 80201
- 4) Taurus Exploration U.S.A., Attn: Rich Corcoran, 2198 Bloomfield Hwy., Farmington, NM 87401
- 5) Hallwood Petroleum Inc., 4582 S. Ulster Street Pkwy., Ste. 1700, Denver, CO 80237
- 6) Amoco Production Company, Attn: Steve Trevz, P.O. Box 800, 1670 Broadway, Denver, CO 80201



McDermitt #1
Sec. 6, T31N, R12W
Mesaverde/Dakota