



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

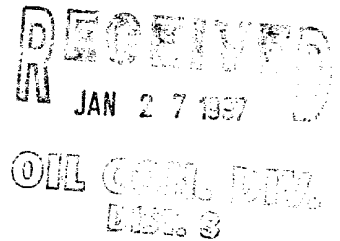
OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-1427

Burlington Resources Oil & Gas Company
P.O. Box 4289
Farmington, New Mexico 87499-4289

Attention: Ms. Peggy Bradfield

San Juan 28-6 Unit Well No. 128M
Unit O, Section 17, Township 28 North, Range 6 West, NMPM,
Rio Arriba County, New Mexico.
Blanco-Mesaverde (Prorated Gas - 72319) and
Basin-Dakota (Prorated Gas - 71599) Pools



Dear Ms. Bradfield:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

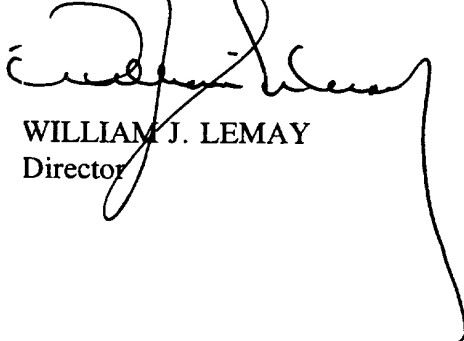
The applicant shall consult with the supervisor of the Aztec District Office of the Division upon completion and testing of the well in order to establish a fixed allocation of production from each of the commingled zones. Upon approval by the Division's District Office, the applicant shall submit the allocation formula to the Santa Fe Office of the Division.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 22nd day of January, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read 'William J. Lemay', is written over the printed name and title.

WILLIAM J. LEMAY
Director

S E A L

WJL/DRC

cc: Oil Conservation Division - Aztec /
Bureau of Land Management-Farmington

BURLINGTON RESOURCES

SAN JUAN DIVISION

December 9, 1996

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

RECEIVED
DEC 18 1996
OIL CON. DIV.
DIST. 3

Re: San Juan 28-6 Unit #128M
1310'FSL, 1620'FEL Section 17, T-28-N, R-06-W, Rio Arriba County, NM
API #30-039-not assigned

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well. This is a new drill Mesa Verde/Dakota well for the 1997 Program.

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. No production curve attached, as this is a new drill;
4. Notification list of offset operators - Burlington is the operator of the unit;
5. Shut in wellhead pressure and calculated down hole pressure of surrounding wells;
6. Nine-section plats for the Mesa Verde and Dakota.

Notification of Mesa Verde and Dakota interest owners is covered under Order R-10696 dated November 12, 1996.

As we discussed, we would like to amend our allocation method to a method approved by the District Office of the New Mexico Oil Conservation Division. This will afford us greater flexibility in determining the most accurate allocation formula.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator

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

SAN JUAN 28 - 6 UNIT
Lease

128M
Well No.

O-17-28N-6W
Unit Ltr. - Sec - Twp - Rge

RIO ARRIBA
County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 014538 Property Code 7462 API NO. 30-039- 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		BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	WILL BE SUPPLIED UPON COMPLETION		WILL BE SUPPLIED UPON COMPLETION
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 Original	(Current) a. 531 psi (see attachment) (Original) b. 1263 psi (see attachment)		a. 1037 psi (see attachment) b. 3283 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1190		BTU 1013
7. Producing or Shut-In?	SHUT - IN		SHUT - IN
Production Marginal? (yes or no)	NO		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: N/A Rates:	Date: Rates:	Date: N/A Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: N/A Rates:	Date: Rates:	Date: N/A Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: % Gas: %	Oil: % Gas: % 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 ☒ 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 other? ☒ 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. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). Case #11628

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 Peggy Bradfield TITLE Regulatory Administrator DATE 11-18-96

TYPE OR PRINT NAME Peggy Bradfield TELEPHONE NO. (505) 326-9700

District I
PO Box 1780, Hobbs, NM 88241-1780
District II
P.O. Drawer 00, Artesia, NM 88211-0719
District III
1000 Mio Hrasco 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-100

Revised February 21, 1991

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 30-039-	Well Code 72319/71599	Well Name Blanco Mesaverde/Basin Dakota
Property Code 7462	Property Name San Juan 28-6 Unit	Well Number 128M
OGUID No. 14538	Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY	Elevation 6637'

10 Surface Location

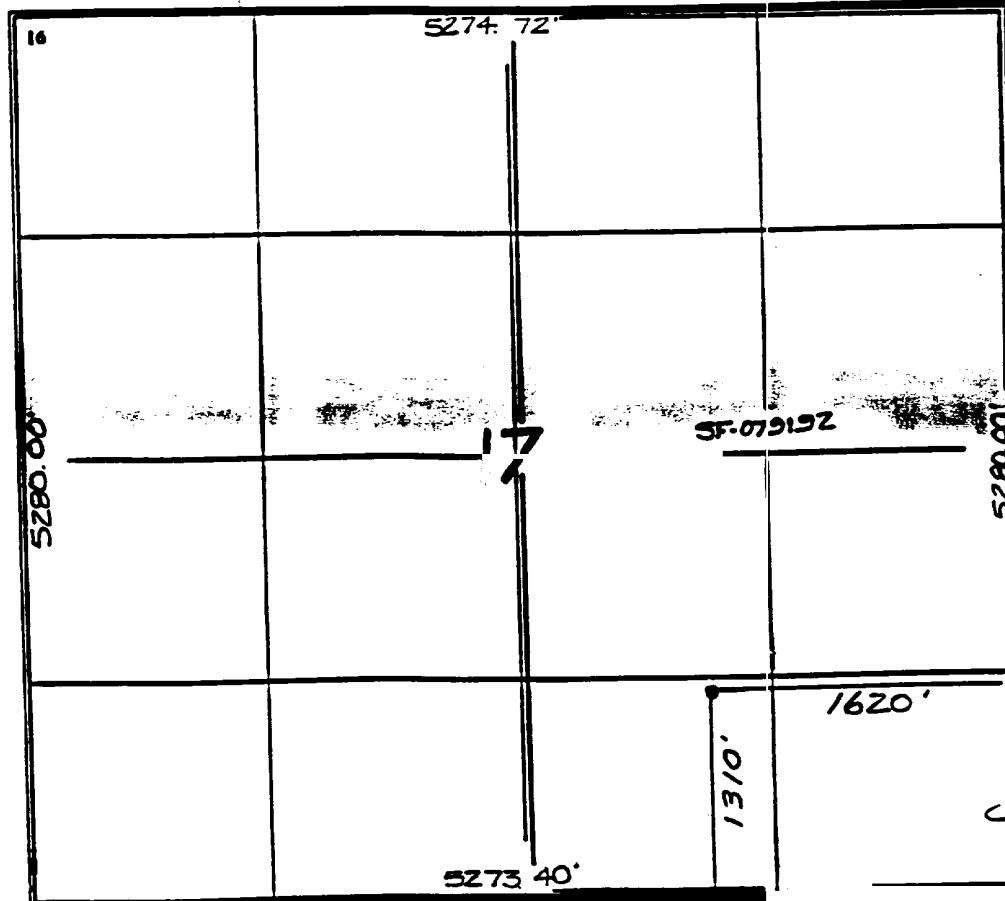
UL or lot no. O	Section 17	Township 28 N	Range 6 W	Lot Idn	Feet from the 1310	North/South line South	Feet from the 1620	East/West line East	County R.A.
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11 Bottom Hole Location if Different From Surface

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 Dedication Acres E/320 E/320	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.

Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title

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 or under my supervision, and that the same is true and correct to the best of my belief.

9-20-96

Date of Survey
Signature

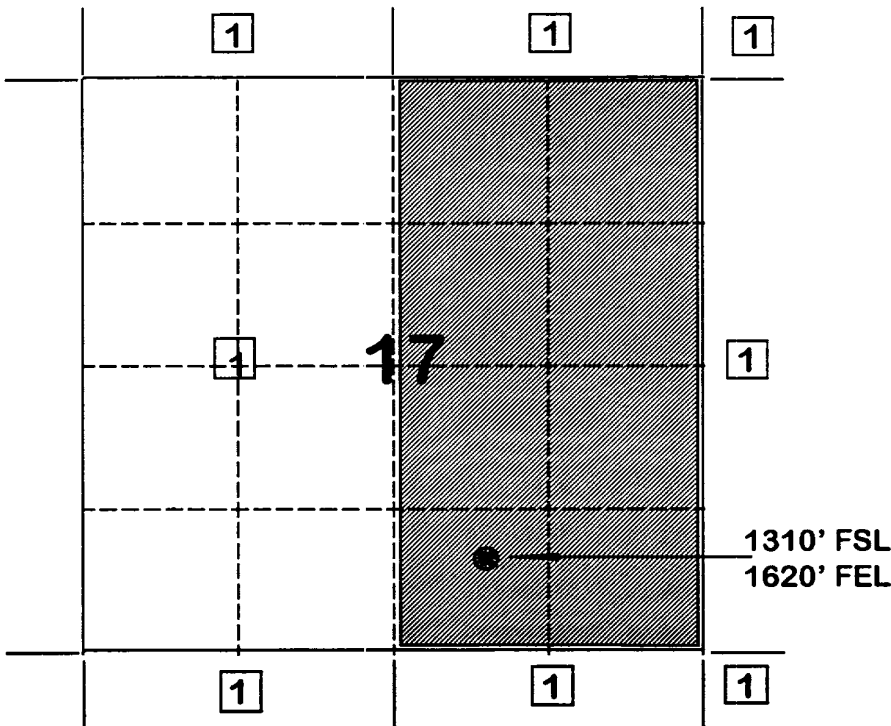
NEALE C. EDWARDS
8857
8857
Certification

BURLINGTON RESOURCES OIL AND GAS COMPANY

**San Juan 28-6 Unit #128M
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde/Dakota Formations Commingle Well

Township 28 North, Range 6 West



1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**
VERSION 1.0 3/13/94

GAS GRAVITY	0.696
COND. OR MISC. (C/M)	C
%N2	0.2
%CO2	0.88
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5976
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	457
BOTTOMHOLE PRESSURE (PSIA)	530.8

SAN JUAN 28-6 #1 MESAVERDE - (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**
VERSION 1.0 3/13/94

GAS GRAVITY	0.696
COND. OR MISC. (C/M)	C
%N2	0.2
%CO2	0.88
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5976
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1069
BOTTOMHOLE PRESSURE (PSIA)	1262.9

SAN JUAN 28-6 #1 MESAVERDE - (ORIGINAL)


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Page No.: 4
Print Time: Thu Oct 03 11:41:42 1996
Property ID: 3976
Property Name: SAN JUAN 28-6 UNIT | 1 | : : 2205 CF: 2153 SIP:
Table Name: K:\ARIES\RR97PDP\TEST.DBF

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09/01/53	0	1069.0	← original
12/30/57	145000	916.0	
10/29/58	255000	849.0	
08/22/59	323000	859.0	
09/06/60	420000	840.0	
10/05/61	495000	807.0	
04/23/62	548000	784.0	
02/22/63	586000	852.0	
07/17/64	682000	830.0	
02/25/65	728000	817.0	
01/04/66	788000	783.0	
01/23/67	884000	773.0	
07/12/68	1039000	703.0	
06/05/69	1131487	693.0	
08/10/70	1245370	1064.0	
12/02/70	1342708	652.0	
03/23/71	1412824	572.0	
08/08/72	1674795	528.0	
09/04/73	1934511	450.0	
00/10/74	1986574	427.0	
00/10/74	1986574	427.0	
00/10/74	1986574	427.0	
10/10/74	2155449	427.0	
07/29/76	2482463	418.0	
06/05/78	2774463	464.0	
05/01/80	3085472	407.0	
04/23/82	3320148	482.0	
06/22/84	3457019	524.0	
05/02/86	3571502	489.0	
09/25/89	3880878	512.0	
01/24/91	3971202	480.0	
06/03/91	3998421	492.0	
04/02/93	4165587	457.0	← current

Nesa veric Parson Wall
of
55 25-6 = 125m

SAN JUAN 28-6 #128M

CURRENT DAKOTA PRESSURE
(BASED ON CURRENT AVERAGE OF OFFSET WELLS)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**
VERSION 1.0 3/13/94

GAS GRAVITY	0.694
COND. OR MISC. (C/M)	C
%N2	0.29
%CO2	1.21
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	7567
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	857
BOTTOMHOLE PRESSURE (PSIA)	1036.9

OFFSET DAKOTA WELLS - CURRENT PRESSURE

SAN JUAN 28-6 UNIT #128 DAKOTA-CURRENT	862
SAN JUAN 28-6 UNIT #126 DAKOTA-CURRENT	866
SAN JUAN 28-6 UNIT #127 DAKOTA-CURRENT	792
SAN JUAN 28-6 UNIT #144 DAKOTA-CURRENT	872
SAN JUAN 28-6 UNIT #145 DAKOTA-CURRENT	917
SAN JUAN 28-6 UNIT #159 DAKOTA-CURRENT	912
SAN JUAN 28-6 UNIT #212 DAKOTA-CURRENT	810
SAN JUAN 28-6 UNIT #211 DAKOTA-CURRENT	822
AVERAGE SURFACE PRESSURE	857

NOTE : SEE OFFSET WELL PLAT

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

VERSION 1.0 3/13/94

GAS GRAVITY	0.694
COND. OR MISC. (C/M)	C
%N2	0.29
%CO2	1.21
%H2S	0
DIAMETER (IN)	1.5
DEPTH (FT)	7557
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2670
BOTTOMHOLE PRESSURE (PSIA)	3283.4

SAN JUAN 28-6 UNIT #128 DAKOTA-ORIGINAL

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Page No.: 5
Print Time: Thu Oct 03 11:41:44 1996
Property ID: 1844
Property Name: SAN JUAN 28-6 UNIT | 128 | : : 492 CF: 92 SIP:
Table Name: K:\ARIES\RR97PDP\TEST.DBF

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09/21/67	0	2670.0	← original
09/30/68	130000	1206.0	
09/09/69	197877	1095.0	
08/19/70	257806	1045.0	
03/23/71	288993	1006.0	
08/08/72	364053	674.0	
02/15/74	436863	645.0	
09/04/75	501613	592.0	
08/01/77	564172	816.0	
05/08/79	617660	793.0	
10/14/81	677871	923.0	
05/23/85	758154	898.0	
10/06/88	828074	1032.0	
05/29/90	876630	807.0	
07/01/92	923797	862.0	← current

28-6 #128m

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Page No.: 4
Print Time: Mon Nov 04 13:55:17 1996
Property ID: 1842
Property Name: SAN JUAN 28-6 UNIT | 126      52204A-1
Table Name: K:\ARIES\RR97PDP\TEST.DBF

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08/26/67	0	2687.0
09/07/67	0	2686.0
12/08/67	22000	1830.0
07/12/68	96000	1317.0
09/09/69	174000	1104.0
08/19/70	230018	1059.0
03/23/71	260311	1030.0
08/08/72	332132	762.0
09/04/75	467553	632.0
08/01/77	525349	812.0
05/08/79	572109	772.0
04/15/83	680632	777.0
05/23/85	740853	895.0
07/08/88	814628	1052.0
06/05/90	878588	882.0
07/01/92	934728	866.0

Sakota Office

74-6 = 129, 17

Current

Page No.: 5

Print Time: Mon Nov 04 13:55:17 1996

Property ID: 1843

Property Name: SAN JUAN 28-6 UNIT | 127 | 52206A-1

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

--DATE-- ---CUM GAS-- M SIWHP
:::McF:::Psi:::

10/18/67	0	2763.0
10/10/68	133000	1223.0
08/19/69	214000	869.0
05/25/70	270744	783.0
05/04/71	338930	872.0
05/22/72	405914	712.0
08/21/73	483594	663.0
06/24/75	575477	876.0
08/01/77	661926	789.0
05/08/79	728390	892.0
10/14/81	803039	952.0
09/22/83	851828	1050.0
02/07/86	924710	874.0
10/06/88	971531	922.0
05/29/90	1021454	802.0
05/28/92	1066093	792.0

Dakota offset of
28-6 #128m

← current

Page No.: 1
Print Time: Mon Nov 04 14:00:17 1996
Property ID: 1855
Property Name: SAN JUAN 28-6 UNIT | 144 | 52221A-1
Table Name: K:\ARIES\RR97PDP\TEST.DBF

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

10/23/68	0	2729.0
04/29/69	125000	1168.0
04/21/70	245718	969.0
05/10/71	333765	893.0
08/08/72	426970	616.0
09/04/73	501372	532.0
09/04/75	611439	490.0
08/01/77	684602	760.0
05/08/79	755461	802.0
10/14/81	838146	834.0
04/15/83	879624	862.0
05/23/85	937254	881.0
07/08/88	995716	1122.0
05/29/90	1064458	912.0
07/01/92	1120909	872.0 ← current

Dakota offset of
22 39 = 4128m

Page No.: 2
 Print Time: Mon Nov 04 14:00:17 1996
 Property ID: 1856
 Property Name: SAN JUAN 28-6 UNIT | 145 | 51760A-1
 Table Name: K:\ARIES\RR97PDP\TEST.DBF

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

11/12/68	0	2702.0
11/13/68	0	2701.0
04/04/69	78019	1252.0
04/21/70	187835	1057.0
05/10/71	271776	918.0
08/08/72	359442	637.0
09/04/73	428822	622.0
05/05/75	516224	812.0
07/05/77	604996	953.0
06/28/79	683631	1010.0
07/13/81	761983	932.0
10/12/83	825186	1094.0
06/27/85	886683	944.0
10/04/88	952396	1062.0
05/29/90	994130	917.0 ← Current

Dakota Offset of
 28-6 #123m


```

Page No.: 3
Print Time: Mon Nov 04 14:00:18 1996
Property ID: 1870
Property Name: SAN JUAN 28-6 UNIT | 159 | 52425A-1
Table Name: K:\ARIES\RR97PDP\TEST.DBF

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07/27/71	0	2591.0
11/02/71	66368	1561.0
08/08/72	189821	901.0
09/04/73	303273	723.0
05/05/75	436261	635.0
00/17/77	549699	582.0
00/17/77	549699	582.0
00/17/77	549699	582.0
10/17/77	601435	582.0
06/28/79	697356	637.0
07/13/81	811315	608.0
10/12/83	905558	667.0
06/27/85	985282	650.0
10/04/88	1100326	687.0
05/08/90	1168678	852.0
05/28/92	1236762	912.0 ← Current

Dakota Offset of
SS 28.6 # 128 m

Page No.: 6

Print Time: Mon Nov 04 14:00:19 1996

Property ID: 1898

Property Name: SAN JUAN 28-6 UNIT | 212 | 44093A-1

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

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

08/11/78	0	2573.0
11/06/78	103173	1472.0
02/13/79	153064	1051.0
06/28/79	190987	1240.0
06/20/80	332373	864.0
07/13/81	448200	922.0
10/12/83	591852	1132.0
06/27/85	712466	927.0
10/04/88	881091	952.0
04/09/90	977814	877.0
05/28/92	1087797	810.0 ← current

Dakota Offset of
SJ 28-6 #128 M

Page No.: 5

Print Time: Mon Nov 04 14:00:19 1996

Property ID: 1897

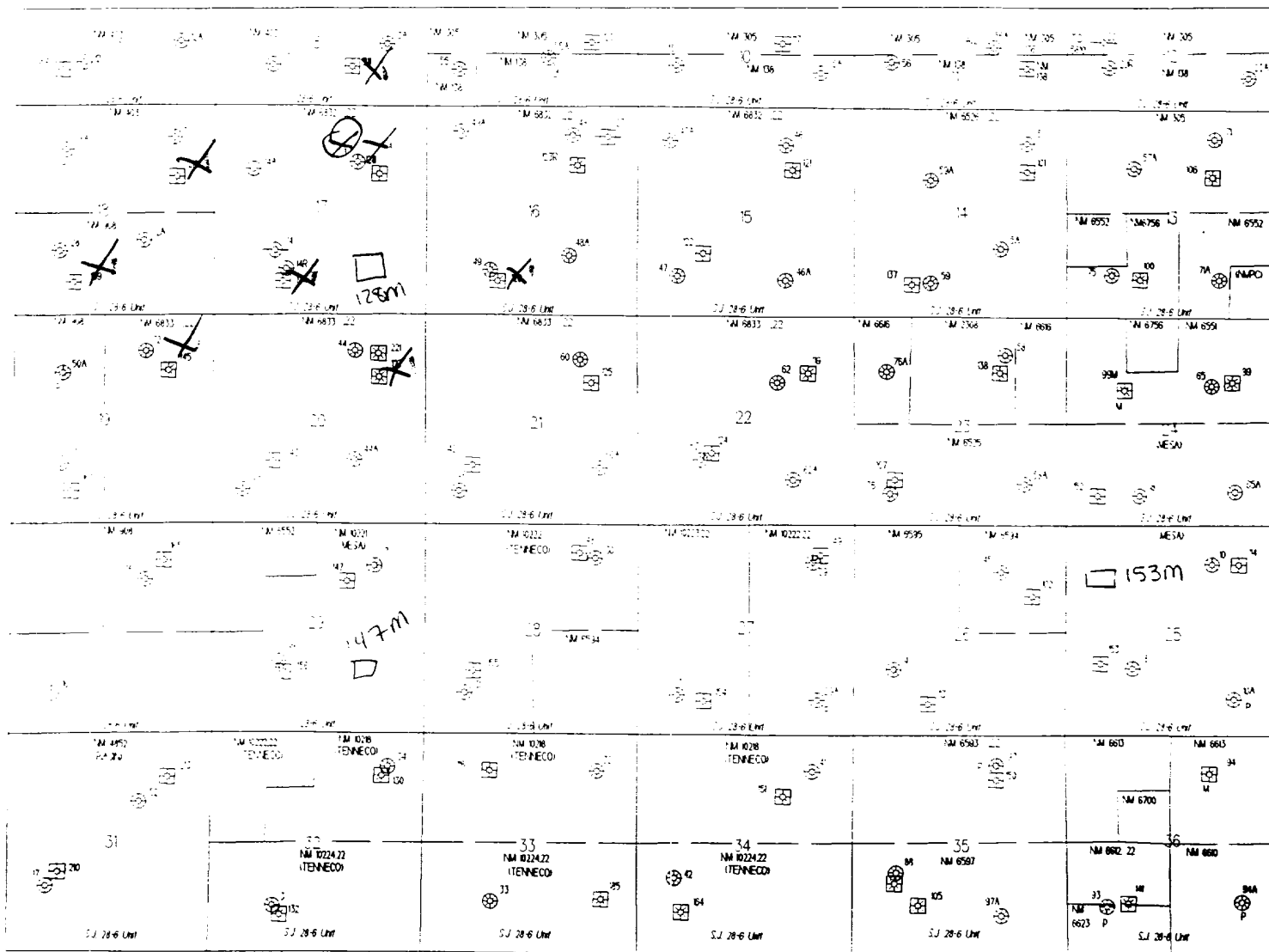
Property Name: SAN JUAN 28-6 UNIT | 211 | 44092A-1

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

--DATE-- ---CUM_GAS-- M SIWHP
■■■■■■■■■■ ■■■■■■Mcf■■■■■■ ■■■■Psi■■■■

06/15/78	0	2613.0
09/26/78	49843	1337.0
06/28/79	154387	822.0
06/20/80	235883	856.0
07/13/81	311825	800.0
10/12/83	421438	972.0
06/27/85	508566	882.0
10/04/88	636460	957.0
05/29/90	701731	897.0
07/01/92	792447	822.0 ← current

Dakota Offset
of
28-6 #128-m



SAN JUAN 28-6 UNIT

X- DK offset wells used for current AVG PSI
 ⊗- offset mv