

DATE IN 9/7/00	SUSPENSE 9/27/00	ENGINEER DC	LOGGED W	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

25756722

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

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]

2838

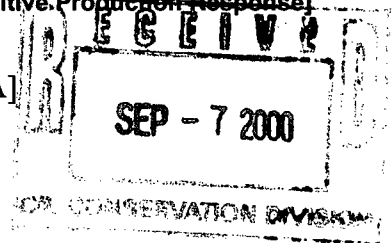
[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
_ NSL _ NSP _ DD _ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement
X 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] X 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** - Statement of Understanding

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, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Mary Corley Sr. Business Analyst 09/06/2000
Print or Type Name Signature Title Date

Amoco Exploration & Production

501 Westlake Park Blvd.
Post Office Box 3092
Houston, TX 77079

September 6, 2000

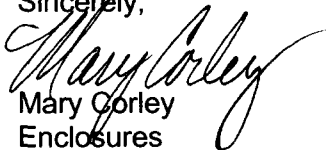
Ms. Lori Wrotenbery, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P. O. Box 6429
Santa Fe, NM 87505

**Application for Exception to Rule 303-A- Downhole Commingling
Gartner #3
Unit P Section 29-T30N-R08W
Blanco Mesaverde, Blanco Pictured Cliffs and Basin Dakota Pools
San Juan County, New Mexico**

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all affected interest owners in the formations captioned above. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in her opinion, waste will not result thereby, and correlative rights will not be violated.

Should you have questions regarding this application, do not hesitate to call me at 281-366-4491.

Sincerely,


Mary Corley
Enclosures

cc: Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

James Dean

Wayne Townsend
Bureau of Land Management
1235 La Plata Hwy.
Farmington, NM 87401

Well File

PRODUCTION ALLOCATION RECOMMENDATION

Gartner #3

Production is proposed to be allocated based on the subtraction method using the future projection of production from the Blanco Pictured Cliffs and the Basin Dakota Pools. That production shall serve as a base for production subtracted from total production for the commingled well. The balance of the production will be attributed to the Blanco Mesaverde. Attached is the future production decline estimates for the both the Pictured Cliffs and Dakota.

WORKING, OVERRIDING, and ROYALTY INTEREST OWNERS NOTIFICATION

Gartner #3

All interest owners as indicated on attachment have been notified via certified mail, return receipt requested.

District I
1625 N. French Drive, Hobbs, NM 88240

2000

District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

Pools

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15,

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well
☐ Establish Pre-Approved

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Amoco Production Company Address P. O. Box 3092 Houston, TX 77253
Gartner 3 Unit M Section 29 T30N, R08W San Juan
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 000778 Property Code 000588 API No. 30-045-24153 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blanco Pictured Cliffs	Blanco Mesaverde	Basin Dakota
Pool Code	72359	72319	71599
Top & Bottom of Pay Section (Perforated or Open-Hole Interval)	2902' - 2960'	4496' - 5310'	7190' - 7393'
Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing
Bottomhole Pressure			
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	Producing	New zone	Producing
Date and Oil/Gas/Water Rates of Last Production.	Date: 6/29/2000 Rates: 11 MCFD 2 BBLS	Date: Rates:	Date: 6/17/2000 Rates: 27 MCFD 0 BBLS
Fixed Allocation Percentage	Oil Gas % %	Oil Gas % %	Oil Gas % %

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 Mary Corley TITLE Sr. Regulatory Analyst DATE 09/06/2000
TYPE OR PRINT NAME Mary Corley TELEPHONE NO. (281) 366-4491

ROYALTY INTEREST OWNERS GARTNER 3

WINTERER, EDWARD AND JACQUELINE
289 OCEAN VIEW
DEL MAR, CA, 92014-3321

ARCHER, W R
1236 LONGWORTH BLDG
WASHINGTON, DC, 20515

ATWILL, DOUGLAS E
602B CANYON RD
SANTA FE, NM, 87501-2722

ATWILL, EDWARD R
PO BOX 1551
TUBAC, AZ, 85646-1551

ATWILL, JAMES H
PO BOX 1810
PORT ARANSAS, TX, 78373-1810

BALDWIN, PAMELA GRAY
PO BOX 200336
HOUSTON, TX, 77216-0336

BEAMON, R E, III
2603 AUGUSTA STE 1050
HOUSTON, TX, 77057-5640

BLECHAR, THEODORE J
138 LA CANADA WAY
SANTA CRUZ, CA, 95060-1031

BOLACK MINERALS COMPANY
3901 BLOOMFIELD HWY
FARMINGTON, NM, 87401-2831

BOTTS, HARRY B
12426 KIMBERLEY LN
HOUSTON, TX, 77024-4115

BRACKEN, ASHLEY AND SUSAN
PO BOX 7550
TYLER, TX, 75711-7550

BRETT, CATHY
1575 SNOW RD
LAS CRUCES, NM, 88005-3942

BRIGGS, ANITA T
115 FISH AND GAME ROAD
CHERRY VALLEY, NY, 13320

BRYANT, BETSY
2201 BROOKHOLLOW
ABILENE, TX, 79605-5507

BUCHENAU, HARRIET M, LIVING TRUST
PO BOX 867585
PLANO, TX, 75086-7585

CALLOWAY, ELIZABETH TURNER
PO BOX 191767
DALLAS, TX, 75219-1767

CREPS FAMILY TRUST
1001 CARPENTERS WAY # D 303
LAKELAND, FL, 33809-3931

CURRIE, SANDRA T
12603 RADENZ
HOUSTON, TX, 77066-3418

DAVANT FAMILY TRUST C
ACCOUNT NUMBER 30011053442647
P O BOX 840738
DALLAS, TX, 75284-0738

DAVIS, JEREMY S
7539 BROMPTON BLVD
HOUSTON, TX, 77025-2267

DAVIS, WATERS S, III
TRUST MINERALS SECTION 1049308
PO BOX 200336
HOUSTON, TX, 77216-0336

DINGES, BARBARA REESE
6510 SHADOW CREST
HOUSTON, TX, 77074-6818

DIXON, MARTHA LOU H
311 TAGGARD
BURNET, TX, 78611-1722

EASLEY, MITZI
3900 DOMINION COVE
AUSTIN, TX, 78759-7300

FLORANCE LIMITED COMPANY
C/O NORTHERN TRUST BANK OF TX
ACCOUNT #23113000
P O BOX 226270
DALLAS, TX, 75222-6270

GARDNER, SANDRA MARIE
1 COVENTRY CT
ST CHARLES, MO, 63304-4519

GILMER, CLAUDIA MARCIA LUNDELL
30 GOLDEN PL
THE WOODLANDS, TX, 77381-4334

ROYALTY INTEREST OWNERS

GARTNER 3

GRAY, DAVID H
PO BOX 200336
HOUSTON, TX, 77216-0336

GRAY, JOHN L
TRUST MINERALS SECTION 1049310
PO BOX 200336
HOUSTON, TX, 77216-0336

GREEAR, MADGE SPENCER
14209 VALLEY FORGE LANE
EDMOND, OK, 73013-6412

GROVER FAMILY L P
PO BOX 3666
MIDLAND, TX, 79702-3666

HENDERSON, DAVID
2691 CAPELLA WAY
THOUSAND OAKS, CA, 91362-4954

HICKS, BETTY SPENCER
18070 LANGLOIS ROAD 247
DESERT HOT SPRINGS, CA, 92241-8332

HOWARD, MARY ANNE AND ROBERT L
438 FOX BRIAR
SUGARLAND, TX, 77478-3717

JENNINGS PARTNERS LTD
PO BOX 117
ABILENE, TX, 79604-0117

KEARNS, MARGARET A, TRUST
1440 OSPREY AVE
NAPLES, FL, 34102-3464

KENNEDY, W D
550 WEST TEXAS #1225
MIDLAND, TX, 79701-4257

KENYON, DAVID G
7200 REDWOOD BLVD #404
NOVATO, CA, 94945

KENYON, DEAN C
3638 E AVE R12
PALMDALE, CA, 93550

KENYON, MARK L
1550 CENTER RD #39
NOVATO, CA, 94947

KUBIK, GLORIA SPENCER
R R 2 BOX 111
MEDFORD, OK, 73759-9508

LEETON, JAMES R, JR
PO BOX 10561
MIDLAND, TX, 79702-7561

LINDSEY, LINDA JEANNE LUNDELL
PO BOX 631565
NACOGDOCHES, TX, 75963-1565

LOVE, ELEANOR T
3404 ST JOHNS DR
DALLAS, TX, 75205-2906

LUNDELL, ROBERT WALTER
2450 FONDREN #304
HOUSTON, TX, 77063-2306

MAHAFFEY, SALLY ANN
P O BOX 171051
SAN ANTONIO, TX, 78217-8051

MCKEAN, SUSAN J
3330 W SHADOW MOUNTAIN ST
PAHRUMP, NV, 89048-3690

MCLANE, DAVID G
PO BOX 214430
DALLAS, TX, 75221-4430

MCLANE, DIXIE MARIE
PO BOX 214430
DALLAS, TX, 75221-4430

MILANI, CYNTHIA GRAY
PO BOX 200336
HOUSTON, TX, 77216-0336

MIMS, SARAH S, TRUST
PO BOX 111846
CARROLLTON, TX, 75011-1846

WILLIAMS, L DORIS, TRUST
PO BOX 8306
HOUSTON, TX, 77288-8306

MONEY, LLOYD J AND RUTH R, 1990 TR
904 21ST ST
HERMOSA BEACH, CA, 90254-3105

NEWKIRK, LILLIE SPENCER
218 WEST HILLCREST AVENUE
INDIANOLA, IA, 50125-3708

ROYALTY INTEREST OWNERS

GARTNER 3

NORDAN TRUST
112 E PECAN STE 500
SAN ANTONIO, TX, 78205-1516

NORDAN, PEARL NEUGENT, ESTATE
112 E PECAN STE 500
SAN ANTONIO, TX, 78205-1516

PORTER, HARRY D, REVOCABLE TRUST
C/O TRUST OIL AND GAS
PO BOX 840738
DALLAS, TX, 75284-0738

RAYBOURN, CLAUD W
16260 MONACHE CT
APPLE VALLEY, CA, 92307-1465

REESE, DAVID ELBERT
2203 N BELMONT
RICHMOND, TX, 77469-5501

REESE, ELIZABETH GOODWIN
7800 NAIRN
HOUSTON, TX, 77074-5321

REMENICK, CATHARINE GRAY
PO BOX 200336
HOUSTON, TX, 77216-0336

RITTER, SUSAN
PO BOX 162606
AUSTIN, TX, 78716-2606

RUGELEY, JOANNE THOMPSON
3813 TOLMAS
METAIRIE, LA, 70002-1846

SIMMONS, ETHEL W
1627 BURTON
BURLEY, ID, 83318-2316

SLOANE, LINDA MONTGOMERY
518 DUVALL BLVD
HIGHLAND VILLAGE, TX, 75067-6945

SMITH, LORENE RAYBOURN, TSTMNTARY
207 WILSHIRE LN
NEWARK, DE, 19711-2757

SPENCER, FRED ELDON
10717 CRYSTAL CREEK DR
MUSTANG, OK, 73064-9382

SPENCER, NANCY JANE
726 NORTH TANGLEWOOD DRIVE
SUTHERLIN, OR, 97479-9015

STEDMAN, BETTY WEST
ATTN LOCK BOX
PO BOX 1349
HOUSTON, TX, 77251-1349

STIGILE, GEORGE NORMAN
18921 ERMINE ST
CANYON COUNTRY, CA, 91351-1230

STIGILE, GERALD WAYNE
3801 N W VAN BUREN
CORVALLIS, OR, 97330-4920

STIGILE, HENRY W
1079 CORTEZ LN
GARDNERVILLE, NV, 89410-7900

STIGILE, ROYAL NORMAN
6611 RADFORD AVE
NORTH HOLLYWOOD, CA, 91606-1643

STONE, E HUNTER, II TRUST
PO BOX 61419
DENVER, CO, 80206-8419

STOREY LINCOLN PARTNERSHIP
SEATTLE, WA, 98166

TAYLOR, GEORGIA ANN
2053 FAIRFAX
LAS CRUCES, NM, 88001-1514

THOMPSON FAMILY LLC
2709 NUBALDO COURT
SANTA FE, NM, 87505

THOMPSON, GEORGE E, II
P O BOX 174
ROUND TOP, TX, 78954-0174

THOMPSON, M ROBERT, REVOCABLE TRUST
316 DAHLIA ST
DENVER, CO, 80220-5714

TOMSON, MERLON C
PO BOX 507
MESILLA PARK, NM, 88047-0507

TUCKER, DORTHY M, ESTATE
PO BOX 2822
HOUSTON, TX, 77252-2822

ROYALTY INTEREST OWNERS
GARTNER 3

TURNER, FRED E
4925 GREENVILLE AVENUE
ONE ENERGY SQUARE SUITE 852
DALLAS, TX, 75206-4079

TURNER, J GLENN, JR
3838 OAK LAWN STE 1600
DALLAS, TX, 75219

TURNER, JOHN L
HC73 BOX 122 STE 277
PARK HILL, OK, 74451-9708

UNION OIL COMPANY OF CALIFORNIA
ATTN REVENUE ACCOUNTING
PO BOX 841055
DALLAS, TX, 75284-1055

WARD, REBECCA ANN REESE
280 W RENNER #5011
RICHARDSON, TX, 75080-1362

WARE, GRACE KELLER
777 NORTH POST OAK ROAD NO 1804
HOUSTON, TX, 77024-3826

WATERFALL, NEAL S, FAMILY TRUST
14438 NE 16TH PL
BELLEVUE, WA, 98007-3904

WATFORD, GLADYS, TRUST
5455 LA SIERRA DRIVE APT 216
DALLAS, TX, 75231-4145

WEST, JAMES WENDELL
PO BOX 492382
LOS ANGELES, CA, 90049-8382

WEST, WESLEY, MINERALS LTD
FROST NATIONAL BANK
LOCK BOX DEPARTMENT
P O BOX 1141
HOUSTON, TX, 77251-1141

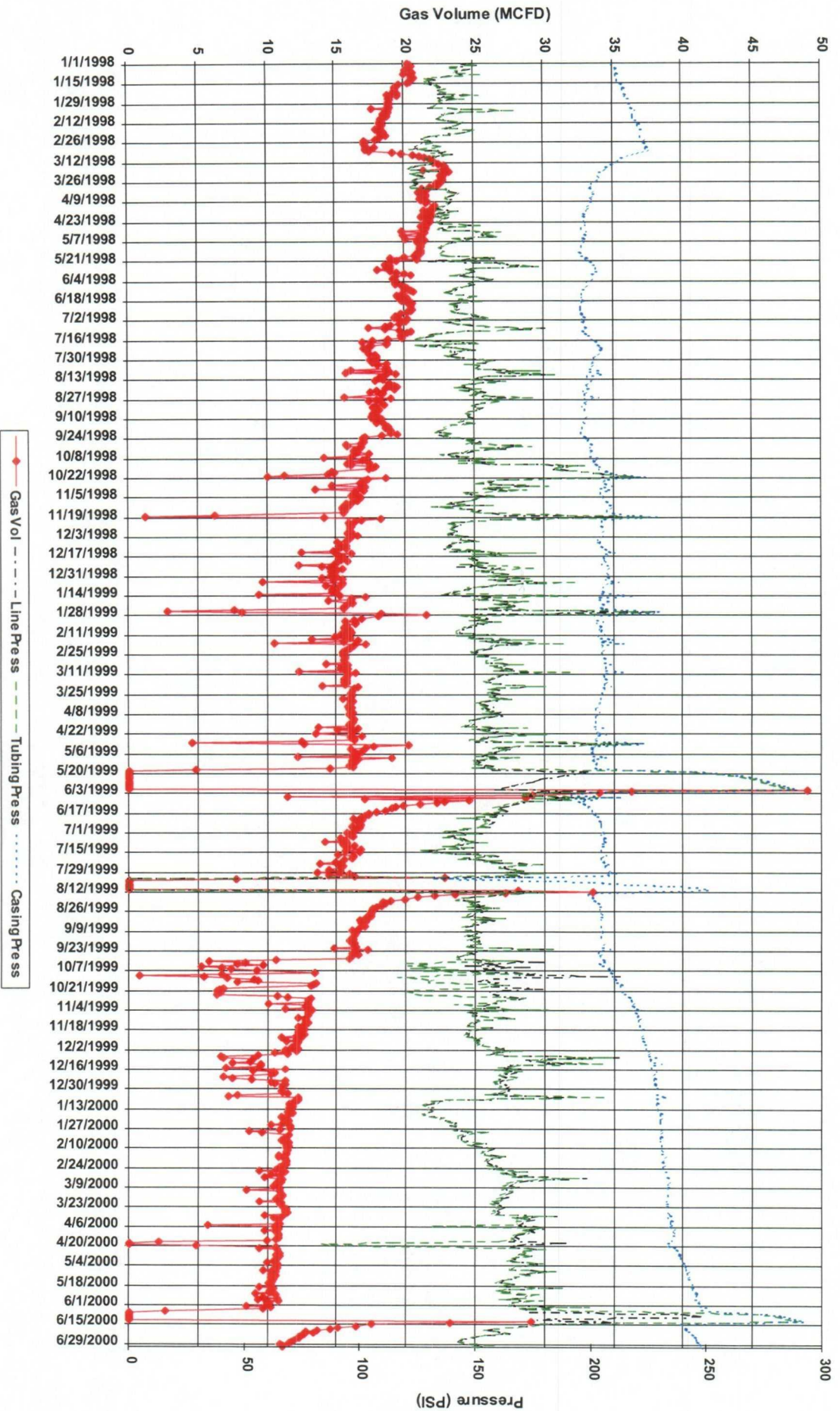
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Flacwell: 97964702

API: 300452415300

Amoco - OIDB/Synergy Data

Daily Well Production



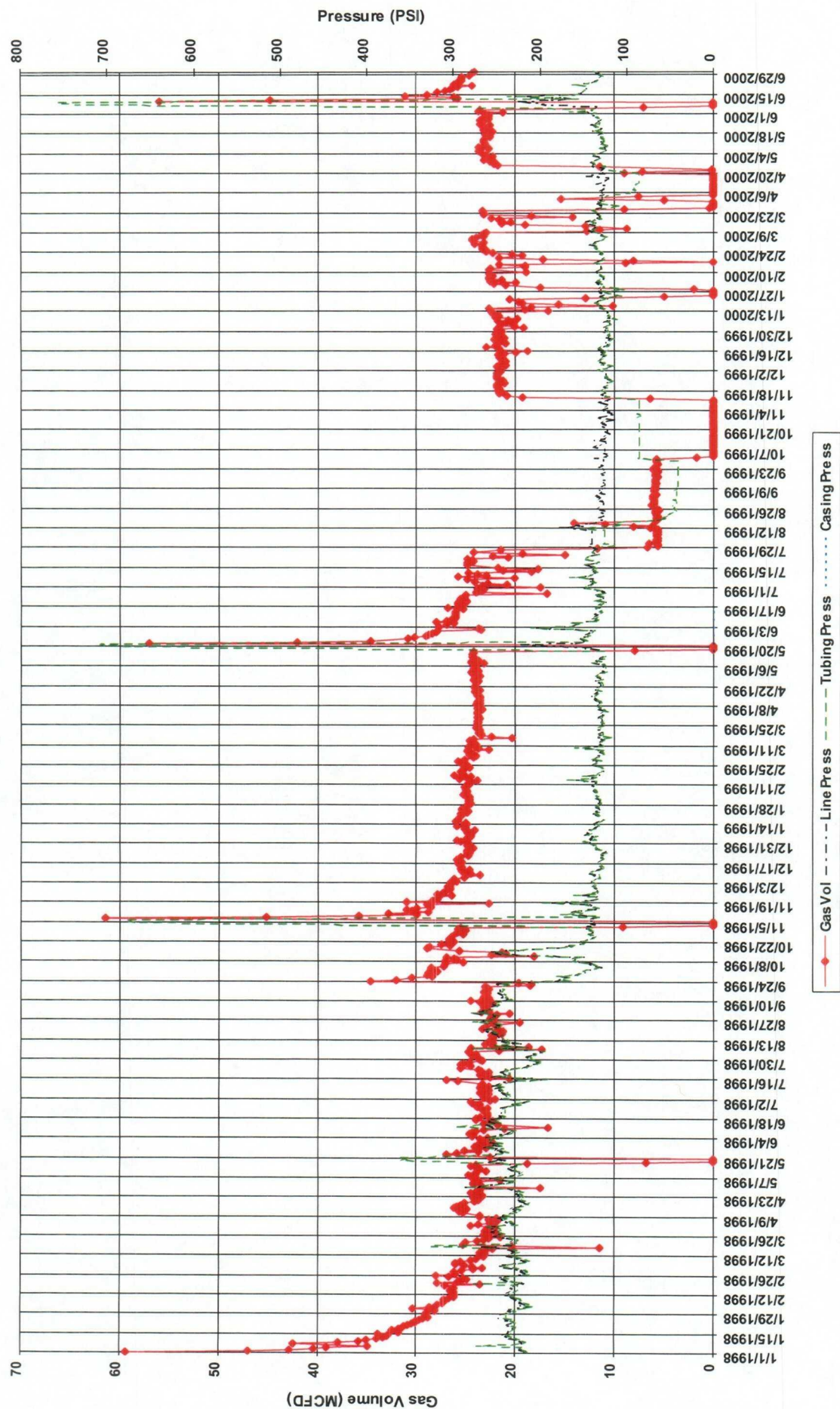
Wellname: GARTNER 003-DK

Flacwell: 97964701

API: 300452415300

Amoco - OIDB/Synergy Data

Daily Well Production



State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24153	Pool Code 71599 & 72319	Pool Name Basin Dakota & Blanco Mesaverde
Property Code 000588	Property Name Gartner	Well Number 3
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6183' GR

Surface Location

UL or lot no. UNIT P	Section 29	Township 30N	Range 8W	Lot. Idn	Feet from the 1030'	North/South Line SOUTH	Feet from the 1040'	East/West Line EAST	County San Juan
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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
Dedicated Acreage: 287.18		Joint or Infill	Consolidation Code		Order No.				

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

	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>	
	Signature Printed Name Mary Corley	
	Position Sr. Regulatory Analyst	
	Date 07/06/2000	
	SURVEY CERTIFICATION <i>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.</i>	
	Date of Survey 10/29/1979	
	Signature & Seal of Professional Surveyor Fred B Kerr Jr	
	Certificate No. 3950	

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

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OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24153	Pool Code 72359	Pool Name Blanco Pictured Cliffs
Property Code 000588	Property Name Gartner	Well Number 3
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6183' GR

Surface Location

UL or lot no. UNIT P	Section 29	Township 30N	Range 8W	Lot. Idn	Feet from the 1030'	North/South Line SOUTH	Feet from the 1040'	East/West Line EAST	County San Juan
-------------------------	---------------	-----------------	-------------	----------	------------------------	---------------------------	------------------------	------------------------	--------------------

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
Dedicated Acreage: 149.34		Joint or Infill		Consolidation Code		Order No.			

**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**

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <i>Mary Corley</i> Printed Name Mary Corley Position Sr. Regulatory Analyst Date 07/06/2000
	SURVEY CERTIFICATION 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. 10/29/1979 Date of Survey
	Signature & Seal of Professional Surveyor Fred B Kerr Jr
	Certificate No. 3950

Gartner #3 - Basin Dakota

Future Production Decline Estimate Daily Rates (Monthly Factor .0016)

Month	Gas Volume
Jan-2000	19
Feb-2000	21
Mar-2000	20
Apr-2000	17
May-2000	24
Jun-2000	27
Jul-2000	27
Aug-2000	27
Sep-2000	27
Oct-2000	27
Nov-2000	27
Dec-2000	27
Jan-2001	26
Feb-2001	26
Mar-2001	26
Apr-2001	26
May-2001	26
Jun-2001	26
Jul-2001	26
Aug-2001	26
Sep-2001	26
Oct-2001	26
Nov-2001	26
Dec-2001	26
Jan-2002	26
Feb-2002	25
Mar-2002	25
Apr-2002	25
May-2002	25
Jun-2002	25
Jul-2002	25
Aug-2002	25
Sep-2002	25
Oct-2002	25
Nov-2002	25
Dec-2002	25

Month	Gas Volume
Jan-2003	25
Feb-2003	25
Mar-2003	25
Apr-2003	25
May-2003	24
Jun-2003	24
Jul-2003	24
Aug-2003	24
Sep-2003	24
Oct-2003	24
Nov-2003	24
Dec-2003	24
Jan-2004	24
Feb-2004	24
Mar-2004	24
Apr-2004	24
May-2004	24
Jun-2004	24
Jul-2004	24
Aug-2004	24
Sep-2004	24
Oct-2004	24
Nov-2004	24
Dec-2004	24
Jan-2005	24
Feb-2005	23
Mar-2005	23
Apr-2005	23
May-2005	23
Jun-2005	23
Jul-2005	23
Aug-2005	23
Sep-2005	23
Oct-2005	23
Nov-2005	23
Dec-2005	23

Month	Gas Volume
Jan-2006	23
Feb-2006	23
Mar-2006	23
Apr-2006	23
May-2006	23
Jun-2006	23
Jul-2006	23
Aug-2006	22
Sep-2006	22
Oct-2006	22
Nov-2006	22
Dec-2006	22
Jan-2007	22
Feb-2007	22
Mar-2007	22
Apr-2007	22
May-2007	22
Jun-2007	22
Jul-2007	22
Aug-2007	22
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Oct-2007	22
Nov-2007	21
Dec-2007	21
Jan-2008	21
Feb-2008	21
Mar-2008	21
Apr-2008	21
May-2008	21
Jun-2008	21
Jul-2008	21
Aug-2008	21
Sep-2008	21
Oct-2008	21
Nov-2008	21
Dec-2008	21

Month	Gas Volume
Jan-2009	21
Feb-2009	21
Mar-2009	20
Apr-2009	20
May-2009	20
Jun-2009	20
Jul-2009	20
Aug-2009	20
Sep-2009	20
Oct-2009	20
Nov-2009	20
Dec-2009	20
Jan-2010	20
Feb-2010	20
Mar-2010	20
Apr-2010	20
May-2010	20
Jun-2010	20
Jul-2010	19
Aug-2010	19
Sep-2010	19
Oct-2010	19
Nov-2010	19
Dec-2010	19
Jan-2011	19
Feb-2011	19
Mar-2011	19
Apr-2011	19
May-2011	19
Jun-2011	19
Jul-2011	19
Aug-2011	19
Sep-2011	19
Oct-2011	19
Nov-2011	19
Dec-2011	19

Gartner #3 - Basin Dakota

Future Production Decline Estimate Daily Rates (Monthly Factor .0016)

Month	Gas Volume
Jan-2012	18
Feb-2012	18
Mar-2012	18
Apr-2012	18
May-2012	18
Jun-2012	18
Jul-2012	18
Aug-2012	18
Sep-2012	18
Oct-2012	18
Nov-2012	18
Dec-2012	18
Jan-2013	18
Feb-2013	18
Mar-2013	18
Apr-2013	18
May-2013	18
Jun-2013	18
Jul-2013	17
Aug-2013	17
Sep-2013	17
Oct-2013	17
Nov-2013	17
Dec-2013	17
Jan-2014	17
Feb-2014	17
Mar-2014	17
Apr-2014	17
May-2014	17
Jun-2014	17
Jul-2014	17
Aug-2014	17
Sep-2014	17
Oct-2014	17
Nov-2014	17
Dec-2014	17

Month	Gas Volume
Jan-2015	17
Feb-2015	17
Mar-2015	16
Apr-2015	16
May-2015	16
Jun-2015	16
Jul-2015	16
Aug-2015	16
Sep-2015	16
Oct-2015	16
Nov-2015	16
Dec-2015	16
Jan-2016	16
Feb-2016	16
Mar-2016	16
Apr-2016	16
May-2016	16
Jun-2016	16
Jul-2016	16
Aug-2016	16
Sep-2016	16
Oct-2016	16
Nov-2016	16
Dec-2016	15
Jan-2017	15
Feb-2017	15
Mar-2017	15
Apr-2017	15
May-2017	15
Jun-2017	15
Jul-2017	15
Aug-2017	15
Sep-2017	15
Oct-2017	15
Nov-2017	15
Dec-2017	15

Month	Gas Volume
Jan-2018	15
Feb-2018	15
Mar-2018	15
Apr-2018	15
May-2018	15
Jun-2018	14
Jul-2018	14
Aug-2018	14
Sep-2018	14
Oct-2018	14
Nov-2018	14
Dec-2018	14
Jan-2019	14
Feb-2019	14
Mar-2019	14
Apr-2019	14
May-2019	14
Jun-2019	14
Jul-2019	14
Aug-2019	13
Sep-2019	13
Oct-2019	13
Nov-2019	13
Dec-2019	13
Jan-2020	13
Feb-2020	13
Mar-2020	13
Apr-2020	13
May-2020	13
Jun-2020	13
Jul-2020	13
Aug-2020	13
Sep-2020	13
Oct-2020	13
Nov-2020	13
Dec-2020	12

Month	Gas Volume
Jan-2021	12
Feb-2021	12
Mar-2021	12
Apr-2021	12
May-2021	12
Jun-2021	12
Jul-2021	12
Aug-2021	12
Sep-2021	12
Oct-2021	12
Nov-2021	12
Dec-2021	12
Jan-2022	12
Feb-2022	12
Mar-2022	12
Apr-2022	11
May-2022	11
Jun-2022	11
Jul-2022	11
Aug-2022	11
Sep-2022	11
Oct-2022	11
Nov-2022	11
Dec-2022	11
Jan-2023	11
Feb-2023	11
Mar-2023	11
Apr-2023	11
May-2023	11
Jun-2023	11
Jul-2023	11
Aug-2023	11
Sep-2023	11
Oct-2023	11
Nov-2023	10
Dec-2023	10

Gartner #3 - Basin Dakota

Future Production Decline Estimate Daily Rates (Monthly Factor .0016)

Month	Gas Volume
Jan-2024	10
Feb-2024	10
Mar-2024	10
Apr-2024	10
May-2024	10
Jun-2024	10
Jul-2024	10
Aug-2024	10
Sep-2024	10
Oct-2024	10
Nov-2024	10
Dec-2024	10
Jan-2025	10
Feb-2025	10
Mar-2025	10
Apr-2025	10
May-2025	10
Jun-2025	9
Jul-2025	9
Aug-2025	9
Sep-2025	9
Oct-2025	9
Nov-2025	9
Dec-2025	9
Jan-2026	9
Feb-2026	9
Mar-2026	9
Apr-2026	9
May-2026	9
Jun-2026	9
Jul-2026	9
Aug-2026	9
Sep-2026	9
Oct-2026	9
Nov-2026	9
Dec-2026	9

Month	Gas Volume
Jan-2027	9
Feb-2027	9
Mar-2027	9
Apr-2027	9
May-2027	8
Jun-2027	8
Jul-2027	8
Aug-2027	8
Sep-2027	8
Oct-2027	8
Nov-2027	8
Dec-2027	8
Jan-2028	8
Feb-2028	8
Mar-2028	8
Apr-2028	8
May-2028	8
Jun-2028	8
Jul-2028	8
Aug-2028	8
Sep-2028	8
Oct-2028	8
Nov-2028	8
Dec-2028	8
Jan-2029	8
Feb-2029	8
Mar-2029	8
Apr-2029	8
May-2029	8
Jun-2029	7
Jul-2029	7
Aug-2029	7
Sep-2029	7
Oct-2029	7
Nov-2029	7
Dec-2029	7

Month	Gas Volume
Jan-2030	7
Feb-2030	7
Mar-2030	7
Apr-2030	7
May-2030	7
Jun-2030	7
Jul-2030	7
Aug-2030	7
Sep-2030	7
Oct-2030	7
Nov-2030	7
Dec-2030	7
Jan-2031	7
Feb-2031	7
Mar-2031	7
Apr-2031	7
May-2031	7
Jun-2031	7
Jul-2031	7
Aug-2031	7
Sep-2031	6
Oct-2031	6
Nov-2031	6
Dec-2031	6
Jan-2032	6
Feb-2032	6
Mar-2032	6
Apr-2032	6
May-2032	6
Jun-2032	6
Jul-2032	6
Aug-2032	6
Sep-2032	6
Oct-2032	6
Nov-2032	6
Dec-2032	6

Month	Gas Volume
Jan-2033	6
Feb-2033	6
Mar-2033	6
Apr-2033	6
May-2033	6
Jun-2033	6
Jul-2033	6
Aug-2033	6
Sep-2033	6
Oct-2033	6
Nov-2033	6
Dec-2033	6
Jan-2034	6
Feb-2034	6
Mar-2034	6
Apr-2034	6
May-2034	6
Jun-2034	6
Jul-2034	5
Aug-2034	5
Sep-2034	5
Oct-2034	5
Nov-2034	5
Dec-2034	5
Jan-2035	5
Feb-2035	5
Mar-2035	5
Apr-2035	5
May-2035	5
Jun-2035	5
Jul-2035	5
Aug-2035	5
Sep-2035	5
Oct-2035	5
Nov-2035	5
Dec-2035	5

Gartner #3 - Blanco Pictured Cliffs

Future Production Decline Estimate Daily Rates (Monthly Factor .0031)

Month	Gas Volume
Jan-2000	11
Feb-2000	11
Mar-2000	11
Apr-2000	10
May-2000	10
Jun-2000	10
Jul-2000	9
Aug-2000	9
Sep-2000	9
Oct-2000	9
Nov-2000	9
Dec-2000	9
Jan-2001	9
Feb-2001	9
Mar-2001	9
Apr-2001	9
May-2001	9
Jun-2001	9
Jul-2001	9
Aug-2001	9
Sep-2001	9
Oct-2001	9
Nov-2001	9
Dec-2001	9
Jan-2002	9
Feb-2002	9
Mar-2002	9
Apr-2002	9
May-2002	9
Jun-2002	9
Jul-2002	9
Aug-2002	9
Sep-2002	9
Oct-2002	9
Nov-2002	9
Dec-2002	9

Month	Gas Volume
Jan-2003	9
Feb-2003	9
Mar-2003	9
Apr-2003	9
May-2003	9
Jun-2003	9
Jul-2003	9
Aug-2003	9
Sep-2003	8
Oct-2003	8
Nov-2003	8
Dec-2003	8
Jan-2004	8
Feb-2004	8
Mar-2004	8
Apr-2004	8
May-2004	8
Jun-2004	8
Jul-2004	8
Aug-2004	8
Sep-2004	8
Oct-2004	8
Nov-2004	8
Dec-2004	8
Jan-2005	8
Feb-2005	8
Mar-2005	8
Apr-2005	8
May-2005	8
Jun-2005	8
Jul-2005	8
Aug-2005	8
Sep-2005	8
Oct-2005	8
Nov-2005	8
Dec-2005	8

Month	Gas Volume
Jan-2006	8
Feb-2006	8
Mar-2006	8
Apr-2006	8
May-2006	8
Jun-2006	8
Jul-2006	8
Aug-2006	8
Sep-2006	8
Oct-2006	8
Nov-2006	8
Dec-2006	8
Jan-2007	8
Feb-2007	8
Mar-2007	8
Apr-2007	8
May-2007	8
Jun-2007	8
Jul-2007	8
Aug-2007	8
Sep-2007	8
Oct-2007	8
Nov-2007	8
Dec-2007	7
Jan-2008	7
Feb-2008	7
Mar-2008	7
Apr-2008	7
May-2008	7
Jun-2008	7
Jul-2008	7
Aug-2008	7
Sep-2008	7
Oct-2008	7
Nov-2008	7
Dec-2008	7

Month	Gas Volume
Jan-2009	7
Feb-2009	7
Mar-2009	7
Apr-2009	7
May-2009	7
Jun-2009	7
Jul-2009	7
Aug-2009	7
Sep-2009	7
Oct-2009	7
Nov-2009	7
Dec-2009	7
Jan-2010	7
Feb-2010	7
Mar-2010	7
Apr-2010	7
May-2010	7
Jun-2010	7
Jul-2010	7
Aug-2010	7
Sep-2010	7
Oct-2010	7
Nov-2010	7
Dec-2010	7
Jan-2011	7
Feb-2011	7
Mar-2011	7
Apr-2011	7
May-2011	7
Jun-2011	7
Jul-2011	7
Aug-2011	7
Sep-2011	7
Oct-2011	7
Nov-2011	6
Dec-2011	6

Gartner #3 - Blanco Pictured Cliffs

Future Production Decline Estimate Daily Rates (Monthly Factor .0031)

Month	Gas Volume
Jan-2012	6
Feb-2012	6
Mar-2012	6
Apr-2012	6
May-2012	6
Jun-2012	6
Jul-2012	6
Aug-2012	6
Sep-2012	6
Oct-2012	6
Nov-2012	6
Dec-2012	6
Jan-2013	6
Feb-2013	6
Mar-2013	6
Apr-2013	6
May-2013	6
Jun-2013	6
Jul-2013	6
Aug-2013	6
Sep-2013	6
Oct-2013	6
Nov-2013	6
Dec-2013	6
Jan-2014	6
Feb-2014	6
Mar-2014	6
Apr-2014	6
May-2014	6
Jun-2014	6
Jul-2014	6
Aug-2014	6
Sep-2014	6
Oct-2014	6
Nov-2014	6
Dec-2014	6

Month	Gas Volume
Jan-2015	6
Feb-2015	6
Mar-2015	6
Apr-2015	6
May-2015	6
Jun-2015	6
Jul-2015	6
Aug-2015	6
Sep-2015	6
Oct-2015	6
Nov-2015	6
Dec-2015	6
Jan-2016	6
Feb-2016	6
Mar-2016	6
Apr-2016	6
May-2016	6
Jun-2016	6
Jul-2016	5
Aug-2016	5
Sep-2016	5
Oct-2016	5
Nov-2016	5
Dec-2016	5
Jan-2017	5
Feb-2017	5
Mar-2017	5
Apr-2017	5
May-2017	5
Jun-2017	5
Jul-2017	5
Aug-2017	5
Sep-2017	5
Oct-2017	5
Nov-2017	5
Dec-2017	5

Month	Gas Volume
Jan-2018	5
Feb-2018	5
Mar-2018	5
Apr-2018	5
May-2018	5
Jun-2018	5
Jul-2018	5
Aug-2018	5
Sep-2018	5
Oct-2018	5
Nov-2018	5
Dec-2018	5
Jan-2019	5
Feb-2019	5
Mar-2019	5
Apr-2019	5
May-2019	5
Jun-2019	5
Jul-2019	5
Aug-2019	5
Sep-2019	5
Oct-2019	5
Nov-2019	5
Dec-2019	5
Jan-2020	5
Feb-2020	5
Mar-2020	5
Apr-2020	5
May-2020	5
Jun-2020	4
Jul-2020	4
Aug-2020	4
Sep-2020	4
Oct-2020	4
Nov-2020	4
Dec-2020	4

Month	Gas Volume
Jan-2021	4
Feb-2021	4
Mar-2021	4
Apr-2021	4
May-2021	4
Jun-2021	4
Jul-2021	4
Aug-2021	4
Sep-2021	4
Oct-2021	4
Nov-2021	4
Dec-2021	4
Jan-2022	4
Feb-2022	4
Mar-2022	4
Apr-2022	4
May-2022	4
Jun-2022	4
Jul-2022	4
Aug-2022	4
Sep-2022	4
Oct-2022	4
Nov-2022	4
Dec-2022	4
Jan-2023	4
Feb-2023	4
Mar-2023	4
Apr-2023	4
May-2023	4
Jun-2023	4
Jul-2023	4
Aug-2023	4
Sep-2023	4
Oct-2023	4
Nov-2023	4
Dec-2023	4

Gartner #3 - Blanco Pictured Cliffs

Future Production Decline Estimate Daily Rates (Monthly Factor .0031)

Month	Gas Volume
Jan-2024	4
Feb-2024	4
Mar-2024	4
Apr-2024	4
May-2024	4
Jun-2024	4
Jul-2024	4
Aug-2024	3
Sep-2024	3
Oct-2024	3
Nov-2024	3
Dec-2024	3
Jan-2025	3
Feb-2025	3
Mar-2025	3
Apr-2025	3
May-2025	3
Jun-2025	3
Jul-2025	3
Aug-2025	3
Sep-2025	3
Oct-2025	3
Nov-2025	3
Dec-2025	3
Jan-2026	3
Feb-2026	3
Mar-2026	3
Apr-2026	3
May-2026	3
Jun-2026	3
Jul-2026	3
Aug-2026	3
Sep-2026	3
Oct-2026	3
Nov-2026	3
Dec-2026	3

Month	Gas Volume
Jan-2027	3
Feb-2027	3
Mar-2027	3
Apr-2027	3
May-2027	3
Jun-2027	3
Jul-2027	3
Aug-2027	3
Sep-2027	3
Oct-2027	3
Nov-2027	3
Dec-2027	3
Jan-2028	3
Feb-2028	3
Mar-2028	3
Apr-2028	3
May-2028	3
Jun-2028	3
Jul-2028	3
Aug-2028	3
Sep-2028	3
Oct-2028	3
Nov-2028	3
Dec-2028	3
Jan-2029	3
Feb-2029	3
Mar-2029	3
Apr-2029	3
May-2029	3
Jun-2029	3
Jul-2029	3
Aug-2029	3
Sep-2029	3
Oct-2029	3
Nov-2029	3
Dec-2029	3

Month	Gas Volume
Jan-2030	3
Feb-2030	2
Mar-2030	2
Apr-2030	2
May-2030	2
Jun-2030	2
Jul-2030	2
Aug-2030	2
Sep-2030	2
Oct-2030	2
Nov-2030	2
Dec-2030	2
Jan-2031	2
Feb-2031	2
Mar-2031	2
Apr-2031	2
May-2031	2
Jun-2031	2
Jul-2031	2
Aug-2031	2
Sep-2031	2
Oct-2031	2
Nov-2031	2
Dec-2031	2
Jan-2032	2
Feb-2032	2
Mar-2032	2
Apr-2032	2
May-2032	2
Jun-2032	2
Jul-2032	2
Aug-2032	2
Sep-2032	2
Oct-2032	2
Nov-2032	2
Dec-2032	2

Month	Gas Volume
Jan-2033	2
Feb-2033	2
Mar-2033	2
Apr-2033	2
May-2033	2
Jun-2033	2
Jul-2033	2
Aug-2033	2
Sep-2033	2
Oct-2033	2
Nov-2033	2
Dec-2033	2
Jan-2034	2
Feb-2034	2
Mar-2034	2
Apr-2034	2
May-2034	2
Jun-2034	2
Jul-2034	2
Aug-2034	2
Sep-2034	2
Oct-2034	2
Nov-2034	2
Dec-2034	2
Jan-2035	2
Feb-2035	2
Mar-2035	2
Apr-2035	2
May-2035	2
Jun-2035	2
Jul-2035	2
Aug-2035	2
Sep-2035	2
Oct-2035	2
Nov-2035	2
Dec-2035	2