

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
CONTRACT 110

6. If Indian, Allottee or Tribe Name
JICARILLA APACHE

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
JICARILLA A 8E

9. API Well No.
30-039-22897

10. Field and Pool, or Exploratory
CHACRA/MESAVERDE/DAKOTA

11. County or Parish, and State
RIO ARRIBA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
AMOCO PRODUCTION COMPANY

Contact: **CHERRY HLAVA**
E-Mail: **hlava@bp.com**

3a. Address
**P.O. BOX 3092
HOUSTON, TX 77253**

3b. Phone No. (include area code)
Ph: **281.366.4061**
Fx: **281.366.0700**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 17 T26N R05W Mer SESE 1120FSL 1065FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ SUBCOM
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Amoco Production Company request permission to Trimingle the Otero Chacra & the Blanco Mesaverde with the existing Basin Dakota Pool as per the attached procedure.

All working interest, royalty and overriding royalty interests are the same.

We propose to allocate production to the Dakota based on it's decline rate as per the attached decline spread sheet. The production shall serve as a base for the production subtracted from the total production for the trimingled well.

The balance of the production will be attributed to the Mesaverde & Chacra. To determine the allocation between the MV & Chacra we propose to allocate production based on a fixed percent. Our intent is to set a BP to isolate the Dakota, complete into the MV, set a BP to isolate the MV and complete into the Chacra. We will conduct a stabilized flow rate for the Chacra then drill out the BP and conduct a stabilezed flow rate of the combined Mesaverde and Chacra production. The rate for the Chacra will be subtracted from the total, to obtain a fixed rate percent between these zones.

Trimingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #6283 verified by the BLM Well Information System
For AMOCO PRODUCTION COMPANY, sent to the Rio Puerco
Committed to AFMSS for processing by Angie Medina-Jones on 08/08/2001 ()**

Name (Printed/Typed) **CHERRY HLAVA**

Title **AUTHORIZED REPRESENTATIVE**

Signature

Date **08/08/2001**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title **Land and Mineral Resources**

Date

8/15/01

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Revisions to Operator-Submitted EC Data for Sundry Notice #6283

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	SUBCOM NOI	SUBCOM NOI
Lease:	CONTRACT 110	JIC110
Agreement:		
Operator:	AMOCO PRODUCTION COMPANY P.O. BOX 3092 HOUSTON, TX 77253 Ph: 281.366.4081 Fx: 281.366.0700	AMOCO PRODUCTION COMPANY 200 AMOCO COURT FARMINGTON, NM 87401
Contact:	CHERRY HLAVA AUTHORIZED REPRESENTATIVE E-Mail: hlavac1@bp.com	(None Specified)
Location:		
State:	NM	NM
County:	RIO ARRIBA	RIO ARRIBA
Field/Pool:	CHACRA/MESAVERDE/DAKOTA	BASIN
Well/Facility:	JICARILLA A 8E Sec 17 T26N R05W Mer SESE 1120FSL 1065FEL	JICARILLA A 8E Sec 17 T26N R5W Mer SESE

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

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-22897	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 000732	⁵ Property Name Jicarilla A	⁶ Well Number 8E
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 6650'

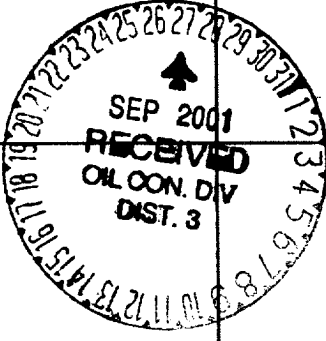
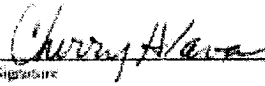
¹⁰ Surface Location

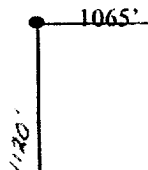
UL or lot no. Unit P	Section 17	Township 26N	Range 05W	Lot Idn	Feet from the 1120'	North/South line South	Feet from the 1065'	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

16		¹⁷ 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 Cherry Hlave Printed Name Regulatory Analyst Title 08/06/2001 Date



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

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-22897	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000732	⁵ Property Name Jicarilla A	⁶ Well Number 8E
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 6650'

¹⁰ Surface Location

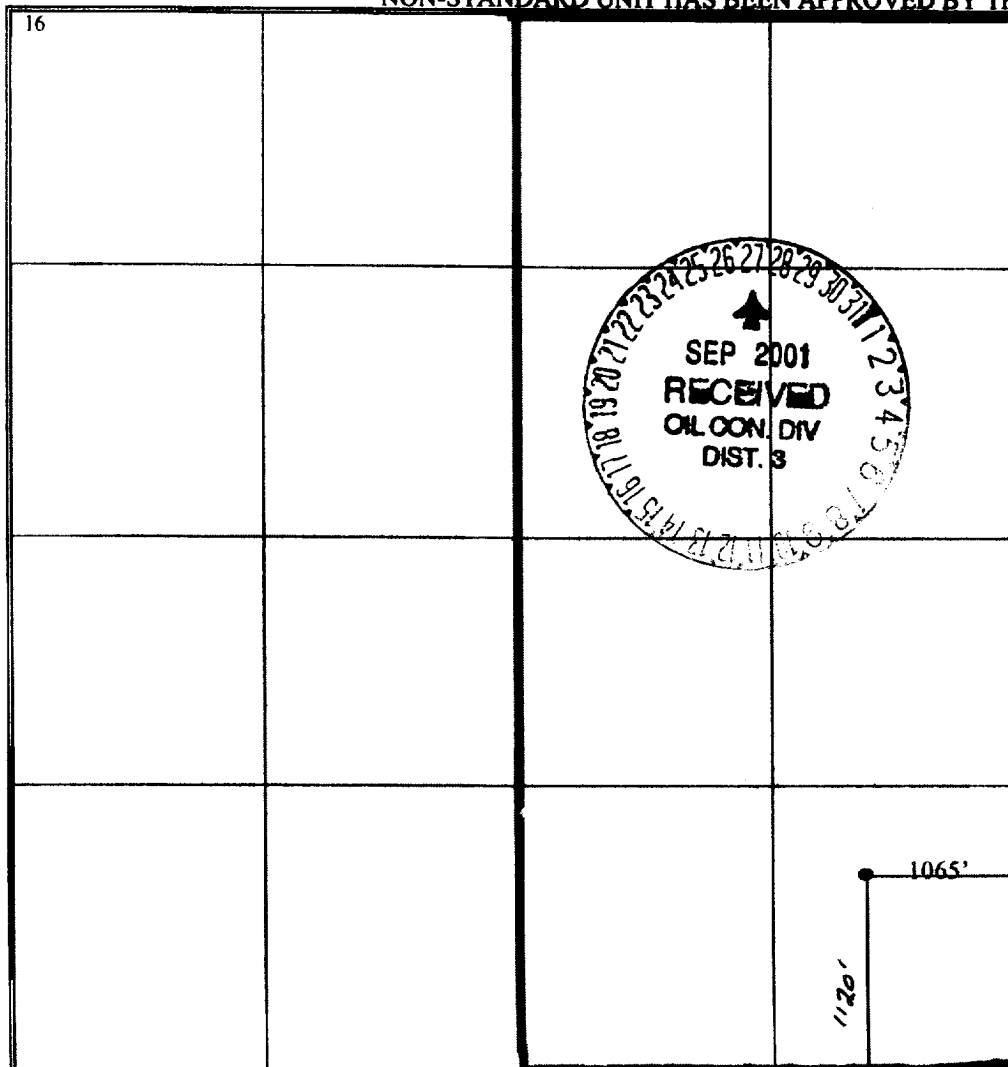
UL or lot no. Unit P	Section 17	Township 26N	Range 05W	Lot Idn	Feet from the 1120'	North/South line South	Feet from the 1065'	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

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 Dedicated Acres 320 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Cherry Hlava</i> Signature Cherry Hlava Printed Name Regulatory Analyst Title 08/06/2001 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 me or under my supervision, and that the same is true and correct to the best of my belief. Plat on file Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

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

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1000 Rio Brazos Rd., Aztec, NM 87410

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OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

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Revised August 15, 2000

Submit to Appropriate District Office
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-037-22897		² Pool Code 71599		³ Pool Name Basin Dakota	
⁴ Property Code 000732		⁵ Property Name Jicarilla A			⁶ Well Number 8E
⁷ OGRID No. 000778		⁸ Operator Name Amoco Production Company			⁹ Elevation 6650'

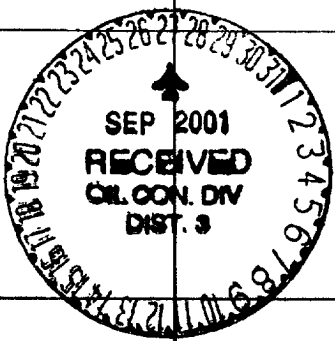
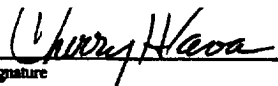
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Unit P	17	26N	05W		1120'	South	1065'	East	Rio Arriba

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
¹² Dedicated Acres 320 Ac.		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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	¹⁸ SURVEYOR 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 belief.</i> Plat on file Date of Survey Signature and Seal of Professional Surveyor: Certificate Number	

Jicarilla A 8E
Unit P Sec 17 T26N-R5W
Rio Arriba County, NM
API 30-039-22897

Procedure:

1. MIRU SU. Record TP, CP and BH. ND tree, NU BOP.
2. POOH tallying tbg, visually inspecting.
3. Make bit x scraper run.
4. Set CIBP on tbg at +/- 5500'. Load hole with KCl water. Test casing to 2500 psi.
5. RU Schlumberger. Log CBL/GR/CCL 5500' - 3900' (to cover the Chacra). Correlate to Schlumberger Dual Induction SFL Log dated 6/2/82.
6. Perforate MV in the following intervals with 3-1/8" csg gun, 2 SPF, 90 degree phasing (36 holes total):

4930', 60', 93'
5032', 43'
5180', 84'
5209', 28', 34', 40', 65', 70', 74', 82', 88', 97'
5320'
7. RU pumping equipment and wellhead isolation tool.
8. Frac well down 4-1/2" csg with nitrogen foam and sand according to attached 1st stage pumping schedule. Flush with foam to top perf. Do not overdisplace.

NOTE: Do not exceed 3800 psi surface pressure (80% of burst for 4-1/2" 10.5# K55).
9. Set CIBP at 4180'.
10. Perforate CH in the following intervals with 3-1/8" csg gun, 2 SPF, 90 degree phasing (30 holes total):

3970' - 3988'
4048' - 4060'
11. Frac well down 4-1/2" csg with nitrogen foam and sand according to attached 2nd stage pumping schedule. Flush with foam to top perf. Do not overdisplace.

12. Flow back immediately after frac equipment is off the well through choke nipple with 100 psi gauge. Obtain stabilized flowrate for the CH.
13. RIH with bit x DC's. RU air package. D/O CIBP at 4180' and clean out to 5500'. Obtain stabilized flowrate of combined CH/MV.
14. D/O CIBP at 5500' and clean out to 7511' PBTD. Flow well 30 minutes. RIH to PBTD, clean out again if necessary. Repeat step until sand feed in stabilizes
15. RIH rabbiting following production string:
 - a. 1 jt 2-3/8" tbg
 - b. F-nipple w/ blanking plug
 - c. 2-3/8" tbg to surface
16. Tag bottom. PU and land EOT at +/- 7350'.
17. If original tubing is re-run, load with KCl water and test to 500 psi. ND BOP, NU tree. Swab tubing dry.
18. RU slickline. Make 1.91" gauge ring run. Retrieve plug.
19. Set FB stop and bumper spring.
20. Flow well for 2-3 hours, swabbing if necessary.
21. RDMO SU.

Allen Kutch

281-366-7955 office
281-366-0700 fax

Jicarilla A 8E

8-2-2001

ATK

Rio Arriba County, NM
Unit P Section 17 T26N - R5W
Run 54

KB: 12'

9-5/8" 36# K55 @
294' w/ 200 sxs
Cmt circ to sfc

DV tool @ 2808'
w/ 675 sxs, circ
10 bbls cmt to
sfc

DV tool @ 4205'
w/ 375 sxs, circ
20 bbls cmt to
sfc

DK Perfs:

7256' - 7266'
7348' - 7352'
7386' - 7402'
7434' - 7438'
7464' - 7473'
7482' - 7486'

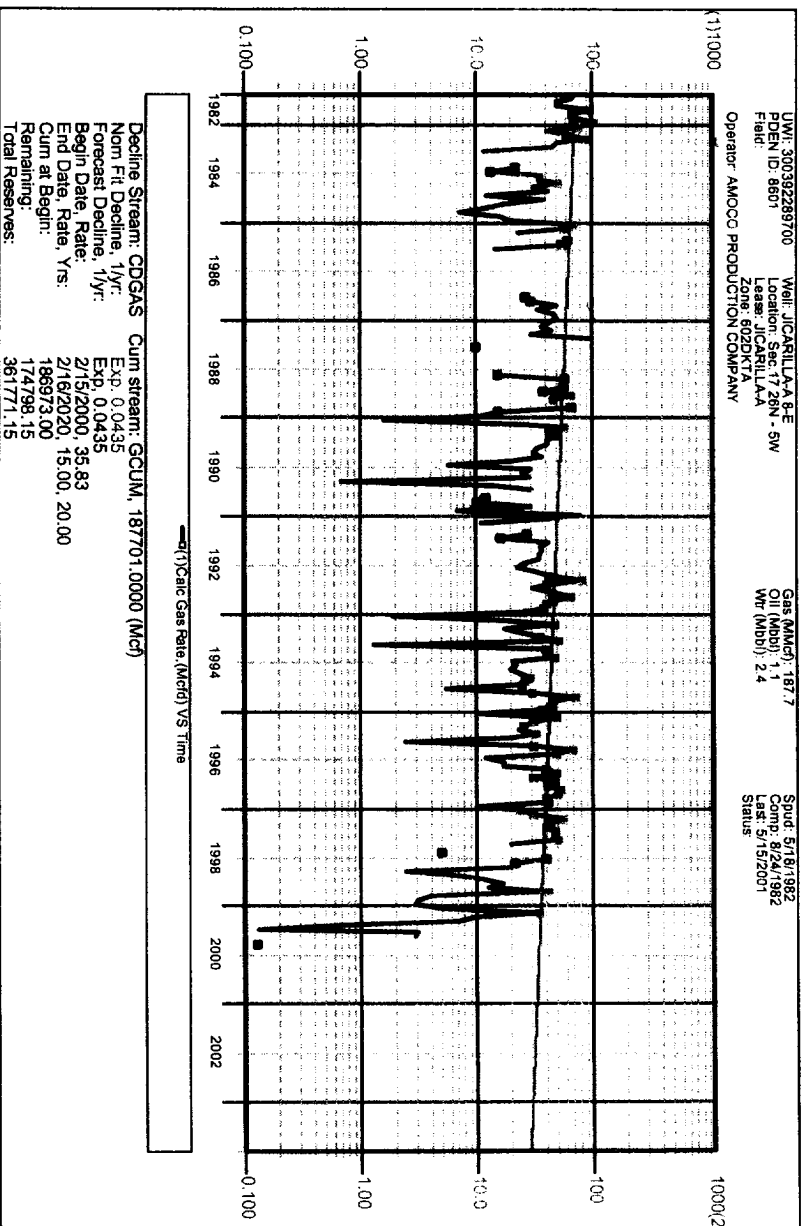
2-3/8" tbg @ 7350'

4-1/2" 11.6# & 10.5#
K55 @ 7575' w/
525/375/675 sxs

PBTD: 7511'
TD: 7560'

JICARILLA A 8E
Future Production Decline Estimate Dakota

PDEN	UWI	DATE	Gas	Condensate
8601	300392289700	11/15/2001	36	0.565
8601	300392289700	12/15/2001	36	0.564
8601	300392289700	01/15/2002	36	0.582
8601	300392289700	02/15/2002	36	0.580
8601	300392289700	03/15/2002	35	0.577
8601	300392289700	04/15/2002	35	0.575
8601	300392289700	05/15/2002	35	0.573
8601	300392289700	06/15/2002	35	0.571
8601	300392289700	07/15/2002	35	0.569
8601	300392289700	08/15/2002	35	0.567
8601	300392289700	09/15/2002	35	0.565
8601	300392289700	10/15/2002	34	0.563
8601	300392289700	11/15/2002	34	0.561
8601	300392289700	12/15/2002	34	0.559
8601	300392289700	01/15/2003	34	0.557
8601	300392289700	02/15/2003	34	0.555
8601	300392289700	03/15/2003	34	0.553
8601	300392289700	04/15/2003	34	0.551
8601	300392289700	05/15/2003	34	0.549
8601	300392289700	06/15/2003	34	0.547
8601	300392289700	07/15/2003	33	0.545
8601	300392289700	08/15/2003	33	0.543
8601	300392289700	09/15/2003	33	0.541
8601	300392289700	10/15/2003	33	0.539
8601	300392289700	11/15/2003	33	0.537
8601	300392289700	12/15/2003	33	0.535
8601	300392289700	01/15/2004	33	0.533
8601	300392289700	02/15/2004	33	0.531
8601	300392289700	03/15/2004	32	0.529
8601	300392289700	04/15/2004	32	0.527
8601	300392289700	05/15/2004	32	0.526
8601	300392289700	06/15/2004	32	0.524
8601	300392289700	07/15/2004	32	0.522
8601	300392289700	08/15/2004	32	0.520
8601	300392289700	09/15/2004	32	0.518
8601	300392289700	10/15/2004	32	0.516
8601	300392289700	11/15/2004	31	0.514
8601	300392289700	12/15/2004	31	0.512
8601	300392289700	01/15/2005	31	0.511
8601	300392289700	02/15/2005	31	0.509



JICARILLA A 8E
Future Production Decline Estimate Dakota

PDEN	UWI	DATE	Gas	Condensate
			Forecast	Forecast
8601	300392289700	03/15/2005	31	0.507
8601	300392289700	04/15/2005	31	0.505
8601	300392289700	05/15/2005	31	0.503
8601	300392289700	06/15/2005	31	0.501
8601	300392289700	07/15/2005	31	0.500
8601	300392289700	08/15/2005	30	0.498
8601	300392289700	09/15/2005	30	0.496
8601	300392289700	10/15/2005	30	0.494
8601	300392289700	11/15/2005	30	0.492
8601	300392289700	12/15/2005	30	0.491
8601	300392289700	01/15/2006	30	0.489
8601	300392289700	02/15/2006	30	0.487
8601	300392289700	03/15/2006	30	0.485
8601	300392289700	04/15/2006	30	0.483
8601	300392289700	05/15/2006	30	0.482
8601	300392289700	06/15/2006	29	0.480
8601	300392289700	07/15/2006	29	0.478
8601	300392289700	08/15/2006	29	0.476
8601	300392289700	09/15/2006	29	0.475
8601	300392289700	10/15/2006	29	0.473
8601	300392289700	11/15/2006	29	0.471
8601	300392289700	12/15/2006	29	0.470
8601	300392289700	01/15/2007	29	0.468
8601	300392289700	02/15/2007	29	0.466
8601	300392289700	03/15/2007	28	0.465
8601	300392289700	04/15/2007	28	0.463
8601	300392289700	05/15/2007	28	0.461
8601	300392289700	06/15/2007	28	0.459
8601	300392289700	07/15/2007	28	0.458
8601	300392289700	08/15/2007	28	0.456
8601	300392289700	09/15/2007	28	0.455
8601	300392289700	10/15/2007	28	0.453
8601	300392289700	11/15/2007	28	0.451
8601	300392289700	12/15/2007	28	0.450
8601	300392289700	01/15/2008	27	0.448
8601	300392289700	02/15/2008	27	0.446
8601	300392289700	03/15/2008	27	0.445
8601	300392289700	04/15/2008	27	0.443
8601	300392289700	05/15/2008	27	0.442
8601	300392289700	06/15/2008	27	0.440

JICARILLA A 8E
Future Production Decline Estimate Dakota

PDEN	UWI	DATE	Gas Forecast	Condensate Forecast
8601	300392289700	07/15/2008	27	0.438
8601	300392289700	08/15/2008	27	0.437
8601	300392289700	09/15/2008	27	0.435
8601	300392289700	10/15/2008	27	0.434
8601	300392289700	11/15/2008	26	0.432
8601	300392289700	12/15/2008	26	0.431
8601	300392289700	01/15/2009	26	0.429
8601	300392289700	02/15/2009	26	0.427
8601	300392289700	03/15/2009	26	0.426
8601	300392289700	04/15/2009	26	0.424
8601	300392289700	05/15/2009	26	0.423
8601	300392289700	06/15/2009	26	0.421
8601	300392289700	07/15/2009	26	0.420
8601	300392289700	08/15/2009	26	0.418
8601	300392289700	09/15/2009	26	0.417
8601	300392289700	10/15/2009	25	0.415
8601	300392289700	11/15/2009	25	0.414
8601	300392289700	12/15/2009	25	0.412
8601	300392289700	01/15/2010	25	0.411
8601	300392289700	02/15/2010	25	0.409
8601	300392289700	03/15/2010	25	0.408
8601	300392289700	04/15/2010	25	0.406
8601	300392289700	05/15/2010	25	0.405
8601	300392289700	06/15/2010	25	0.403
8601	300392289700	07/15/2010	25	0.402
8601	300392289700	08/15/2010	25	0.400
8601	300392289700	09/15/2010	24	0.399
8601	300392289700	10/15/2010	24	0.397
8601	300392289700	11/15/2010	24	0.396
8601	300392289700	12/15/2010	24	0.395
8601	300392289700	01/15/2011	24	0.393
8601	300392289700	02/15/2011	24	0.392
8601	300392289700	03/15/2011	24	0.390
8601	300392289700	04/15/2011	24	0.389
8601	300392289700	05/15/2011	24	0.387
8601	300392289700	06/15/2011	24	0.386
8601	300392289700	07/15/2011	24	0.385
8601	300392289700	08/15/2011	23	0.383
8601	300392289700	09/15/2011	23	0.382
8601	300392289700	10/15/2011	23	0.380

JICARILLA A 8E
Future Production Decline Estimate Dakota

PDEN	UWI	DATE	Gas Forecast	Condensate Forecast
8601	300392289700	11/15/2011	23	0.379
8601	300392289700	12/15/2011	23	0.378
8601	300392289700	01/15/2012	23	0.376
8601	300392289700	02/15/2012	23	0.375
8601	300392289700	03/15/2012	23	0.374
8601	300392289700	04/15/2012	23	0.372
8601	300392289700	05/15/2012	23	0.371
8601	300392289700	06/15/2012	23	0.370
8601	300392289700	07/15/2012	23	0.368
8601	300392289700	08/15/2012	22	0.367
8601	300392289700	09/15/2012	22	0.366
8601	300392289700	10/15/2012	22	0.364
8601	300392289700	11/15/2012	22	0.363
8601	300392289700	12/15/2012	22	0.362
8601	300392289700	01/15/2013	22	0.360
8601	300392289700	02/15/2013	22	0.359
8601	300392289700	03/15/2013	22	0.358
8601	300392289700	04/15/2013	22	0.357
8601	300392289700	05/15/2013	22	0.355
8601	300392289700	06/15/2013	22	0.354
8601	300392289700	07/15/2013	22	0.353
8601	300392289700	08/15/2013	22	0.351
8601	300392289700	09/15/2013	21	0.350
8601	300392289700	10/15/2013	21	0.349
8601	300392289700	11/15/2013	21	0.347
8601	300392289700	12/15/2013	21	0.346
8601	300392289700	01/15/2014	21	0.345
8601	300392289700	02/15/2014	21	0.344
8601	300392289700	03/15/2014	21	0.343
8601	300392289700	04/15/2014	21	0.341
8601	300392289700	05/15/2014	21	0.340
8601	300392289700	06/15/2014	21	0.339
8601	300392289700	07/15/2014	21	0.338
8601	300392289700	08/15/2014	21	0.336
8601	300392289700	09/15/2014	21	0.335
8601	300392289700	10/15/2014	20	0.334
8601	300392289700	11/15/2014	20	0.333
8601	300392289700	12/15/2014	20	0.332
8601	300392289700	01/15/2015	20	0.330
8601	300392289700	02/15/2015	20	0.329

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PDEN	UWI	DATE	Gas	Condensate
8601	300392289700	03/15/2015	20	0.328
8601	300392289700	04/15/2015	20	0.327
8601	300392289700	05/15/2015	20	0.326
8601	300392289700	06/15/2015	20	0.324
8601	300392289700	07/15/2015	20	0.323
8601	300392289700	08/15/2015	20	0.322
8601	300392289700	09/15/2015	20	0.321
8601	300392289700	10/15/2015	20	0.320
8601	300392289700	11/15/2015	20	0.318
8601	300392289700	12/15/2015	19	0.317
8601	300392289700	01/15/2016	19	0.316
8601	300392289700	02/15/2016	19	0.315
8601	300392289700	03/15/2016	19	0.314
8601	300392289700	04/15/2016	19	0.313
8601	300392289700	05/15/2016	19	0.312
8601	300392289700	06/15/2016	19	0.311
8601	300392289700	07/15/2016	19	0.309
8601	300392289700	08/15/2016	19	0.308
8601	300392289700	09/15/2016	19	0.307
8601	300392289700	10/15/2016	19	0.306
8601	300392289700	11/15/2016	19	0.305
8601	300392289700	12/15/2016	19	0.304
8601	300392289700	01/15/2017	19	0.303
8601	300392289700	02/15/2017	18	0.302
8601	300392289700	03/15/2017	18	0.301
8601	300392289700	04/15/2017	18	0.300
8601	300392289700	05/15/2017	18	0.298
8601	300392289700	06/15/2017	18	0.297
8601	300392289700	07/15/2017	18	0.296
8601	300392289700	08/15/2017	18	0.295
8601	300392289700	09/15/2017	18	0.294
8601	300392289700	10/15/2017	18	0.293
8601	300392289700	11/15/2017	18	0.292
8601	300392289700	12/15/2017	18	0.291
8601	300392289700	01/15/2018	18	0.290
8601	300392289700	02/15/2018	18	0.289
8601	300392289700	03/15/2018	18	0.288
8601	300392289700	04/15/2018	18	0.287
8601	300392289700	05/15/2018	18	0.286
8601	300392289700	06/15/2018	17	0.285

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PDEN	UWI	DATE	Gas	Condensate
			Forecast	Forecast
8601	300392289700	07/15/2018	17	0.284
8601	300392289700	08/15/2018	17	0.283
8601	300392289700	09/15/2018	17	0.282
8601	300392289700	10/15/2018	17	0.281
8601	300392289700	11/15/2018	17	0.279
8601	300392289700	12/15/2018	17	0.279
8601	300392289700	01/15/2019	17	0.278
8601	300392289700	02/15/2019	17	0.277
8601	300392289700	03/15/2019	17	0.276
8601	300392289700	04/15/2019	17	0.275
8601	300392289700	05/15/2019	17	0.274
8601	300392289700	06/15/2019	17	0.273
8601	300392289700	07/15/2019	17	0.272
8601	300392289700	08/15/2019	17	0.271
8601	300392289700	09/15/2019	17	0.270
8601	300392289700	10/15/2019	16	0.269
8601	300392289700	11/15/2019	16	0.268
8601	300392289700	12/15/2019	16	0.267
8601	300392289700	01/15/2020	16	0.266
8601	300392289700	02/15/2020	16	0.265
8601	300392289700	03/15/2020	16	0.264
8601	300392289700	04/15/2020	16	0.263
8601	300392289700	05/15/2020	16	0.262
8601	300392289700	06/15/2020	16	0.261
8601	300392289700	07/15/2020	16	0.260
8601	300392289700	08/15/2020	16	0.259
8601	300392289700	09/15/2020	16	0.258
8601	300392289700	10/15/2020	16	0.257
8601	300392289700	11/15/2020	16	0.256
8601	300392289700	12/15/2020	16	0.255
8601	300392289700	01/15/2021	16	0.254
8601	300392289700	02/15/2021	16	0.253
8601	300392289700	03/15/2021	15	0.253
8601	300392289700	04/15/2021	15	0.252
8601	300392289700	05/15/2021	15	0.251
8601	300392289700	06/15/2021	15	0.250
8601	300392289700	07/15/2021	15	0.249
8601	300392289700	08/15/2021	15	0.248
8601	300392289700	09/15/2021	15	0.247
8601	300392289700	10/15/2021	15	0.246

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PDEN	UWI	DATE	Gas	Condensate
8601	300392289700	11/15/2021	Forecast 15	Forecast 0.245