DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
1/23/08	—	WVJ	1/23/08	DHC-3988	pWVJ0802444473

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication
☐ NSL ☐ NSP ☐ 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

[D] Other: Specify _____

[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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

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

Stephanie A. Ysasaga		Sr. Staff Engineering Technician	01/11/2008
Print or Type Name	Signature	Title	Date

Stephanie.Ysasaga@dvn.com
e-mail Address

APPLICATION FOR DOWHOLE COMMINGLING
DEVON SUMMARY & INTENTIONS
AVALON HILLS 7 FED COM 4

State of New Mexico – Santa Fe
Oil Conservation Division
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Well is currently completed in the Atoka zone. Well was spud 06/07/07. The Morrow initially produced 225 - 315 mcfd for about 17 days with a FTP of 450 psig. Devon set a composite plug @ 11,180' on 12/18/07 to enable testing and stimulation of the Atoka. The Atoka is currently producing on the average 800 mcfd with a FTP of 550 psig.

Current perforations are as follows:

- Burton Flat; Atoka (Gas): 10,440' - 10,456'
- Burton Flat; Morrow East Gas: 11,211' – 11,277'

Devon would like to project what we believe our allocation would be, versus fix an allocation based on past production. The gas allocation would be 50% to the Morrow and 50% to the Atoka. The oil allocation would be 0% to the Morrow and 100% to the Atoka. We are anticipating this will be acceptable.

All working, royalty and overriding royalty interests are identical in all commingled zones. All produced fluids from all commingled zones are compatible with each other. Commingling will not decrease the value of production.

Attached for your full review:

- Administrative Application Checklist
- Form 3160-5: NOI – Downhole Commingle
- Form C-107A: Application for Downhole Commingling
- Gas BTU's: Atoka & Morrow Zones
- Letter verifying uniform interests in Atoka & Morrow zones
- C-102's: Atoka & Morrow
- Current schematic
- Proposed downhole commingling Atoka & Morrow zones schematic
- Daily production for Morrow & Atoka zones
- Completion papers filed with BLM for Morrow zone
- Completion papers filed with the BLM for Atoka zone

Signed: _____
Printed Name: Stephanie A. Ysasaga
Title: Sr. Staff Engineering Technician
Date: January 16th, 2008

District I
1625 N. French Drive, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107A
Revised June 10, 2003

APPLICATION TYPE
___Single Well
___Establish Pre-Approved Pools
EXISTING WELLBORE
___ Yes ___No

DHC-3988

DEVON ENERGY PRODUCTION CO., LP | **20 NORTH BROADWAY OKC, OK** | **73102-8260**
Operator | Address

Avalon Hills 7 Fed Com 4 | **Unit P Sec 7-T21S- R27E** | **Eddy**
Lease | Well No. | Unit Letter-Section-Township-Range | County

OGRID No. 6137 Property Code _____ API No. 30-015-35583 Lease Type: __Federal _X_ State ____Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
	UNDES AVALON HILLS		
Pool Name	~~Burton Flat~~; Atoka (Gas)		Burton Flat; Morrow ~~East~~ Gas
Pool Code	~~73106~~		~~73320~~
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10,440' – 10,456'		11,211' - 11,277'
Method of Production (Flowing or Artificial Lift)	FL		FL
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	Gas BTU: 1115		Gas BTU: 1009
Producing, Shut-In or New Zone	Producing		Under Composite Plug as of 12/18/07
Date 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: 01/19/08 Rates: 0 oil/624 mcf/23 wtr	Date: Rates:	Date: 12/17/07 225-315 MCFD Rates: 0 oil/62 mcf/0 wtr
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 100% Gas 50%	Oil % Gas %	Oil 0% Gas 50%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes__X____ 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__X____ No_____

Will commingling decrease the value of production? Yes_____ No__X___

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__X___

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 _____ TITLE Sr. Staff Engineering Technician DATE 01/16/2008

TYPE OR PRINT NAME Stephanie A. Ysasaga TELEPHONE NO. (405)-552-7802

E-MAIL ADDRESS StephanieYsasaga@dvn.com

Jones, William V., EMNRD

From: Ysasaga, Stephanie [Stephanie.Ysasaga@dvn.com]
Sent: Thursday, January 24, 2008 2:14 PM
To: Jones, William V., EMNRD
Cc: Ezeanyim, Richard, EMNRD
Subject: DHC application: Avalon Hills 7 Fed Com #4

The engineers' response below; just let me know your thoughts and comments.

From: McGowen, Gregory
Sent: Thursday, January 24, 2008 2:01 PM
To: Ysasaga, Stephanie
Subject: RE: DHC application: Avalon Hills 7 Fed Com #4

The rate from the Atoka has dropped off significantly. Recently it has only produced 300 mcfd and other days 800 mcfd. We think that by the time it is DHC with the Morrow we will be at 50-50. If he would like to start off at 2/3 – 1/3 that would be OK.

From: Ysasaga, Stephanie
Sent: Thursday, January 24, 2008 1:54 PM
To: McGowen, Gregory
Subject: DHC application: Avalon Hills 7 Fed Com #4

Any further elaboration?

Steph

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Thursday, January 24, 2008 1:34 PM
To: Ysasaga, Stephanie
Cc: Ezeanyim, Richard, EMNRD
Subject: DHC application: Avalon Hills 7 Fed Com #4

Hello Stephanie:
Would you please give more info on why 50:50 would be used for the gas allocation between the Atoka and the Morrow? Your other data say that it should be closer to 2/3rds Atoka and 1/3rd Morrow.

Thank You,
William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

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.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
NM-0375257-A

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
Avalon Hills 7 Fed Com 4

2. Name of Operator
Devon Energy Production Co., LP

9. API Well No.
30-015-35583

3a. Address
20 North Broadway
OKC, OK 73102

3b. Phone No. *(include area code)*
(405)-552-7802

10. Field and Pool or Exploratory Area
Burton Flat; Morrow

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SESE 460' FSL & 360' FEL
Sec 7-T21S-R27E Lot P

11. Country or Parish, State
Eddy County, NM

12. CHECK THE 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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Downhole Commingle
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, L.P. is applying with the New Mexico Oil Conservation Division to downhole commingle the Burton Flat; Atoka (Gas): Pool code # 73106 (10,440' – 10,456') with the Burton Flat; Morrow East Gas: Pool code #73320 (11,211'-11,277'). The commingling will not reduce the value of the total production. Ownership in the zones is uniform. The proposed allocations are as follows:

Burton Flat; Atoka (Gas): Pool code # 73106 Gas 50% Oil 100%
Burton Flat; Morrow East Gas: Pool code #73320 Gas 50% Oil 0%

Current and proposed wellbore schematics are attached along with the allocation methods and supporting data.

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
Stephanie A. Ysasaga

Title Sr. Staff Engineering Technician

Signature

Date 01/08/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

(Instructions on page 2)

devon

Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260
Fax 405-552-8113

January 11, 2008

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Downhole Commingling
Avalon Hills 7 Fed Com #4
S/2 Section 7-T21S-R27E
Eddy County, New Mexico

Gentlemen:

I have reviewed the files of Devon Energy Production Company, L.P. regarding the ownership of the referenced well and find that the ownership of the working interest, royalty and overriding royalty interest are uniform with respect to Devon's request to downhole commingle the following pools/intervals:

Burton Flat; Atoka (Gas) Pool Code: 73106 Perforations @ 10,440' – 10,456'
Burton Flat; Morrow East (Gas) Pool Code: 73320 Perforations @ 11,211' - 11,277'

If there are any questions or if additional information is required feel free to call me at (405) 552-4633.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Ken Gray
Senior Land Advisor

Kg/
Enclosure

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	73280	BURTON FLAT; MORROW

Property Code	Property Name	Well Number
	AVALON HILLS "7" FED COM	4

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY LP	3211'

Surface Location

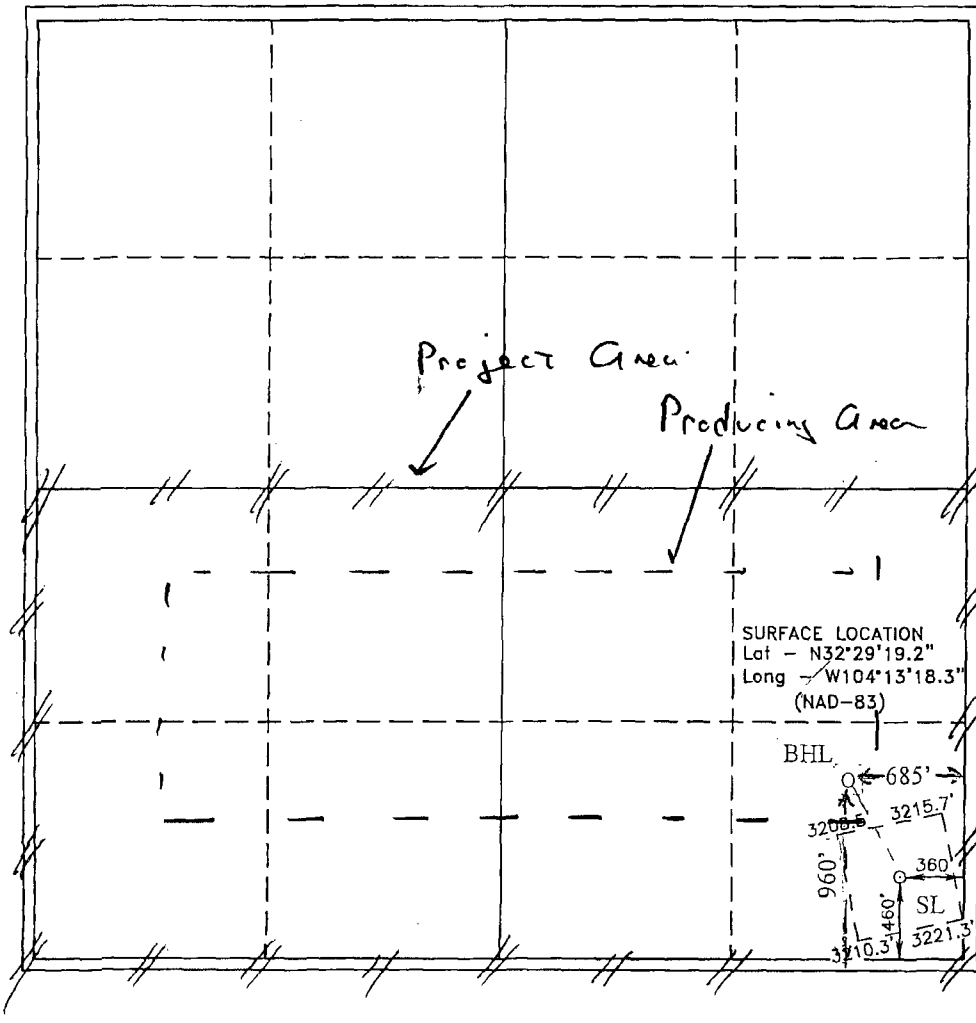
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	21 S	27 E		460	SOUTH	360	EAST	EDDY

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
P	7	21S	27E		960	SOUTH	685	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

03/20/07
Signature Date

STEPHANIE A. YSASAGA
Printed Name

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 supervison, and that the same is true and correct to the best of my belief.

MARCH 07, 2007
Date Surveyed
Signature & Seal of Professional Surveyor

NEW MEXICO 7977 PROFESSIONAL SURVEYOR

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		BURTON FLAT; ATOKA GAS

Property Code	Property Name	Well Number
	AVALON HILLS "7" FED COM	4

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY LP	3211'

Surface Location

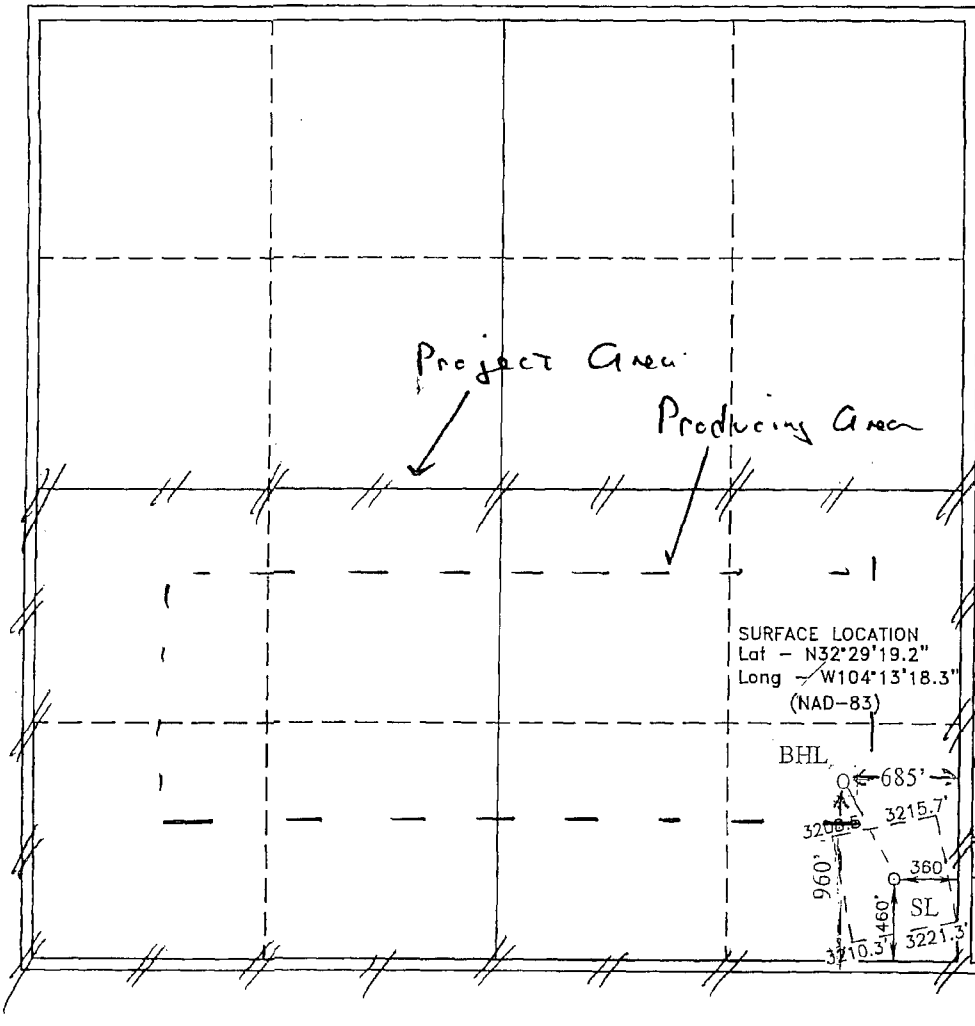
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	21 S	27 E		460	SOUTH	360	EAST	EDDY

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
P	7	21S	27E		960	SOUTH	685	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

03/20/07
Signature Date

STEPHANIE A. YSASAGA
Printed Name

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 supervison, and that the same is true and correct to the best of my belief.

MARCH 07, 2007
Date Surveyed

Signature & Seal of Professional Surveyor

7845

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

AVALON HILLS 7 FEDERAL COM 4 - MORROW PRODUCTION

Completion Name	Date	Actual Oil Production	Actual Gas Production	Actual Water Production	Choke	Tubing Pressure
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/1/2007	0	250	6	17	560
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/2/2007	0	242	5	17	540
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/3/2007	0	246	5	17	540
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/4/2007	0	241	8	17	550
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/5/2007	0	242	6	17	550
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/6/2007	0	243	11	17	550
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/7/2007	0	241	6	17	550
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/8/2007	0	226	5	17	550
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/9/2007	0	244	6	17	540
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/10/2007	0	284	7	17	500
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/11/2007	0	317	8	17	500
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/12/2007	0	235	6	17	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/13/2007	0	234	6	17	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/14/2007	0	231	6	17	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/15/2007	0	233	11	17	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/16/2007	0	250	4	17	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/17/2007	0	62.17	0	17	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/18/2007	0	0	0	17	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/19/2007	0	0	0	15	450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/20/2007	0	0	0	15	1450
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/21/2007	0	0	0	15	1350
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/22/2007	0	0	0	17	1300
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/23/2007	0	0	0	17	1300
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/24/2007	0	0	0	17	1300
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/25/2007	0	0	0	17	1240
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/26/2007	0	0	0	17	1180
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/27/2007	0	0	0	17	1000
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/28/2007	0	0	0	17	1150
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/29/2007	0	0	0	17	1000
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/30/2007	0	0	0	17	940
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/31/2007	0	0	0	17	900
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/1/2008	0	0	0	17	860
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/2/2008	0	0	0	17	820
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/3/2008	0	0	0	17	800
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/4/2008	0	0	0	17	800
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/5/2008	0	0	0	17	800
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/6/2008	0	0	0	17	740
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/7/2008	0	0	0	17	600

AVALON HILLS 7 FEDERAL COM 4 - MORROW PRODUCTION

Completion Name	Date	Actual Oil Production	Actual Gas Production	Actual Water Production	Choke	Tubing Pressure
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/8/2008	0	0	0	17	650
AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/9/2008	0	0	0	17	650

AVALON HILLS 7 FEDERAL COM 4 - ATOKA PRODUCTION

Completion Name	Date	Actual Oil Production	Actual Gas Production	Actual Water Production	Choke	Tubing Pressure
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/1/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/2/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/3/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/4/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/5/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/6/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/7/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/8/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/9/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/10/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/11/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/12/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/13/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/14/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/15/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/16/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/17/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/18/2007	0	0	0	0	0
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/19/2007	0	287.5	3	15	600
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/20/2007	0	173	0	15	1450
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/21/2007	0	756	6	15	1350
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/22/2007	10.363	1565	0	17	1300
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/23/2007	10.362	1564	6	17	1300
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/24/2007	18.135	1583	11	17	1300
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/25/2007	0	1704	9	17	1240
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/26/2007	7.772	1805	5	17	1180
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/27/2007	5.181	1792	6	17	1000
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/28/2007	5.182	1676	6	17	1150
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/29/2007	10.363	1705	10	17	1000
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/30/2007	25.906	1671	6	17	940
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/31/2007	25.907	1610	6	17	900
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/1/2008	25.907	1511	35	17	860
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/2/2008	20.725	1337	36	17	860
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/3/2008	2.591	1341	8	17	860
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/4/2008	0	1254	19	17	860
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/5/2008	0	1142	11	17	860
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/6/2008	5.181	978	30	17	740

AVALON HILLS 7 FEDERAL COM 4 - ATOKA PRODUCTION

Completion Name	Date	Actual Oil Production	Actual Gas Production	Actual Water Production	Choke	Tubing Pressure
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/7/2008	0	928	19	17	600
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/8/2008	0	525	20	17	650
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/9/2008	2.591	961	5	17	600
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/10/2008	2.59	1049	17	17	600
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/11/2008	2.591	842	9	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/12/2008	0	572	16	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/13/2008	0	734	17	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/14/2008	0	874	44	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/15/2008	0	289	19	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/16/2008	0	319	29	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/17/2008	0	483	11	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/18/2008	0	826	19	17	500
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/19/2008	0	624	23	17	500

Ysasaga, Stephanie

From: Pittman, Jack
Sent: Monday, January 14, 2008 10:01 AM
To: Ysasaga, Stephanie
Subject: RE: Avalon Hills 7 Fed Com 4: DHC Atoka & Morrow Zones Application
Attachments: Delta 12 M Fee 2 Morrow.tif; Delta 12M Fee #2 Atoka.tif

Stephanie,

These should give you what you need for the BTU's and I'm going to catch a new sample on the Avalon Hill 7 Fed #4, its been so up and down due to workover we have not caught one yet. I will get it to you asap.

Thank you,

Jack W. Pittman
Field Measurement Coordinator
Devon Energy
Artesia, New Mexico
Office: (505)748-0186
Cell: (505)513-1740

From: Ysasaga, Stephanie
Sent: Friday, January 11, 2008 1:38 PM
To: Pittman, Jack
Subject: Avalon Hills 7 Fed Com 4: DHC Atoka & Morrow Zones Application

Hi Jack,

Long time no hear of right??? I need to see if I can Gas BTU's for the Atoka & Morrow and backup for the gas test for the above. Thanks... ☺

Stephanie A. Ysasaga
Sr. Staff Engineering Technician
(405)-552-7802 Phone (405)-721-7689 Cell
(405)-552-8113 Fax
Corporate Tower 03.056
Stephanie.Ysasaga@dvn.com

Varian Star Chromatography Workstation

Natural Gas
Analysis Report

C

Run File	C:\STAR\DATA\DEVON06_9;54;08 AM_10-17-07_.RUN		
Method	C:\Star\BTUC6+.mth		
Operator	Precision Gas Meas	**Analysis Date**	10/17/07
Station #	88533080	**Company**	DEVON ENERGY
Lease	DELTA 12 M FEE 2 MORROW	**Pulled Data**	10/16/07 PRESS 550 TEMP 90
Producer	DEVON ENERGY	**Water (lbs)**	

Component	Mole %	GPM
H2S	0.000	0.0000
nitrogen	0.317	0.0000
methane	95.886	0.0000
propane	0.376	0.1037
i-butane	0.052	0.0170
n-butane	0.061	0.0194
carbon dioxide	1.210	0.0000
i-pentane	0.025	0.0091
n-pentane	0.015	0.0053
ethane	1.970	0.5268
hexane+	0.088	0.0377
Totals	100.0000	0.7191

Relative Density from Composition	0.5872
Lab Density Test Value	
BTUs @ 14.73 Saturated	1,009
BTUs @ 14.73 Dry	1,027
Compressibility	0.99785

Varian Star Chromatography Workstation

Natural Gas
Analysis Report

Run File	C:\STAR\DATA\DEVON12_10;14;03 AM_4-17-06_.RUN		
Method	C:\Star\BTUC6+.mth		
Operator	JD	**Analysis Date**	4/17/06
Station #	885-33-059	**Company**	DEVON ENERGY
Lease	DELTA M12 FEE 2 ATOKA	**Pulled Data**	04/13/06 PRESS 446 TEMP 82
Producer	DEVON ENERGY	**Water (lbs)**	

Component	Mole %	GPM
H2S	0.000	0.0000
nitrogen	0.804	0.0000
methane	92.463	0.0000
propane	1.113	0.3066
i-butane	0.319	0.1045
n-butane	0.317	0.1000
carbon dioxide	0.404	0.0000
i-pentane	0.159	0.0584
n-pentane	0.088	0.0319
ethane	4.069	1.0881
hexane+	0.264	0.1136
Totals	100.0000	1.8030

Relative Density from Composition	0.6153
Lab Density Test Value	
BTUs @ 14.73 Saturated	1,064
BTUs @ 14.73 Dry	1,083
Compressibility	0.99757

EFM

Ysasaga, Stephanie
From: Potter, Tracy
Sent: Thursday, January 17, 2008 9:31 AM
To: Ysasaga, Stephanie
Subject: Avalon Hills 7 Fed. #4

Attachments: Avalon Hills 7 Fed. #4.tif

If you have any questions, please let me know.

Thank you,

Tracy Potter for Mr. Jack Pittman

Avalon Hills 7 Fed. #4.tif (27...

Laboratory Services, Inc.
2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR:	Devon Energy Attention: Jack Pittman P.O. Box 250 Artesia, New Mexico 88211-0250		SAMPLE: IDENTIFICATION COMPANY: LEASE: PLANT:	Sta. # 885-12-097 Avalon Hills 7 Fed. #4 Devon Energy
SAMPLE DATA:	DATE SAMPLED ANALYSIS DATE: PRESSURE – PSIG SAMPLE TEMP. °F ATMOS. TEMP. °F	1/14/08 1/15/08 453 98.6 64	GAS (XX) SAMPLED BY: ANALYSIS BY:	LIQUID ( ) Rob Vicki McDaniel
REMARKS:	H2S = 1 PPM			

Pressure Base: 14.65
Vol. 1,090 MCF/Day

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)		
Nitrogen	(N2)	0.743	
Carbon Dioxide	(CO2)	0.546	
Methane	(C1)	88.972	
Ethane	(C2)	5.329	1.422
Propane	(C3)	2.035	0.559
I-Butane	(IC4)	0.459	0.150
N-Butane	(NC4)	0.580	0.182
I-Pentane	(IC5)	0.233	0.085
N-Pentane	(NC5)	0.199	0.072
Hexane Plus	(C6+)	0.904	0.392
		100.000	2.862

BTU/CU.FT. – DRY	1138	MOLECULAR WT. 18.9710
AT 14.650 DRY	1135	
AT 14.650 WET	1115	
AT 14.73 DRY	1141	
AT 14.73 WET	1121	
SPECIFIC GRAVITY – CALCULATED	0.653	
MEASURED		

Form 3160-4
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: NM-0375257-A

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: Devon Energy Production Co., LP

8. Lease Name and Well No.: Avalon Hills 7 Fed Com 4

3. Address: 20 North Broadway, OKC, OK 73102

3a. Phone No. *(include area code)*: (405)-552-7802

9. AFI Well No.: 30-015-35583

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: SL: 460' FSL & 360' FEL

At top prod. interval reported below: PP: 952' FSL & 682' FEL

At total depth: ABHL: 952' FSL & 682' FEL

10. Field and Pool or Exploratory: Burton Flat; Morrow

11. Sec., T., R., M., on Block and Survey or Area: Sec 7-T21S-R27E

12. County or Parish: Eddy

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
06/07/2007	09/23/2007	☐ D & A ☑ Ready to Prod.	3232' GL

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
TVD 11,560'	TVD 11,290'	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
AIT_MCFL_GR, IND, BHC, CNL, GR, TVD

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J-55	54.5#		631'		375 sx Cl C			
12 1/4"	9 5/8" J-55	40#		2600'		1300 sxCl C			135 sx to res pit
8 3/4"	7" P-110	26#		10055'		1500 sx Cl C			135 sx to res pit
6 1/8"	4 1/2" P-110	11.6#		11560'		150 sx Cl C		TOC @ 7,667'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	11,200'				RBP @ 11,415'			

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	11436	11517	11436-11517'		36	CIBP @ 11,400'
B) Morrow	11354	11406	11354-11406'		24	CIBP @ 11,325'
C) Morrow	11211	11277	11211-11277'		32	Producing
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
11436-11517	Acidize w/15% gal 7 1/2% acid w/methanol + 125 bll slrs.
11354-11406	Acidize w/3000 gal 7 1/2% acid + 48 bll slrs.
11211-11277	Acidizie w/3000 gal 7 1/2% acid + 100 bll slrs. Frac w/66 tons of CO2, 291,575 SCF N2, 51,000# sn.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/19/07	11/19/07	24	→	0	220	11			Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
17/64"	560	0	→					Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Delaware	2600'
				Delaware Ss	2730'
				Bone Springs Lm	4862'
				2nd Bone Springs Lm	6478'
				3rd Bone Springs Ss	8410'
				Wolfcamp	8790'
				Penn	9186'
				Strawn	10106'
				Atoka	10350'
				Morrow	10912'
				Lower Morrow	11340'
				Barnett	11520'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Stephanie A. Ysasaga Title Sr. Staff Engineering Technician

Signature Date 11/15/2007

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.

(Continued on page 3)

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

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.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.: NM-0375257-A

6. If Indian, Allottee or Tribe Name:

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

1. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.: Avalon Hills 7 Fed Com 4

2. Name of Operator: Devon Energy Production Co., LP

9. API Well No.: 30-015-35583

3a. Address: 20 North Broadway, OKC, OK 73102

3b. Phone No. *(include area code)*: (405)-552-7802

10. Field and Pool or Exploratory Area: Burton Flat; Morrow

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*: SESE 460' FSL & 360' FEL, Sec 7-T21S-R27E Lot P

11. Country or Parish, State: Eddy County, NM

12. CHECK THE 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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Completion Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

10/21/07 - 11/11/07:
MIRU. Tag cmt @ 11,461'. RU swivel, break circ & DO FC & cmt to 11,545'. Tst csg to 2000# - ok. Displace hole w/2% KCL & TOH L/D BHA. RIH w/CCL-GR & CBL to 11,552'. TOC @ 7667' - RD W/L. RU kill trk & pickle tbg. Swab. RIH & perf Morrow @ 11,436-439', 11,504-508', 11,512-517'; (3SPF) 36 holes. RIH & WL set pkr @ 11,415' - RD W/L. TIH w/ON/OFF tool & 356 jts 2 3/8" tbg. Space out & tree up, RU kill trk. Blw tbg disk. Swab. Bled well dwn. Acidize Morrow @ 11,436-11,517' w/15 gals 7.5% acid w/methanol + 125 bll slrs. Open well, flw bck. Swab. Rls pkr & TOH w/tbg & pkr. Perf Morrow @ 11,354-358', 11,400-402', 11,404-406'; (3SPF) 24 holes. RIH & set RBP @ 11,415' w/359 jts in hole. PUH & set pkr @ 11,322' w/356 jts in hole. Acidize Morrow @ 11,354-11,406 w/3000 gals 7.5% acid + 48 bll slrs. Open, flw bck, swab. RIH & set CIBP @ 11,400'. RIH & set CIBP @ 11,325' + 35' cmt. PBTD @ 11,290'. Perf Morrow @ 11,211-217' (4SPF), 11,273-277' (2SPF); 32 holes. RD W/L. TIH w/4.5" pkr & tbg. Acidize Morrow @ 11,213-11,277' w/3,000 gals of 7.5% acid + 100 bll slrs. Open well, flw bck, swab. Rls pkr & TOH w/tbg, L/D pkr. W/L - RIH & set 4.5" composite plug @ 11,260'. RD W/L. Frac Morrow @ 11,211-219' dwn csg w/66 tons of CO2, 291,575 SCF N2, 51,000# sn. 27K versa prop 18/40 in perfs, 22K in casing. Flw bck, kill well, c/o sn. DO composite plug @ 11,260'. Circ hole clean. TIH w/2 3/8" seat nipple & 353 just 2 3/8" tbg - EOT @ 11,200'. Set nipple @ 11,199'. NU/DN BOP - NU/Tree. Swab. Put well on production.

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*: Stephanie A. Ysasaga — Title: Sr. Staff Engineering Technician

Signature — Date: 11/15/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by — Title — Date

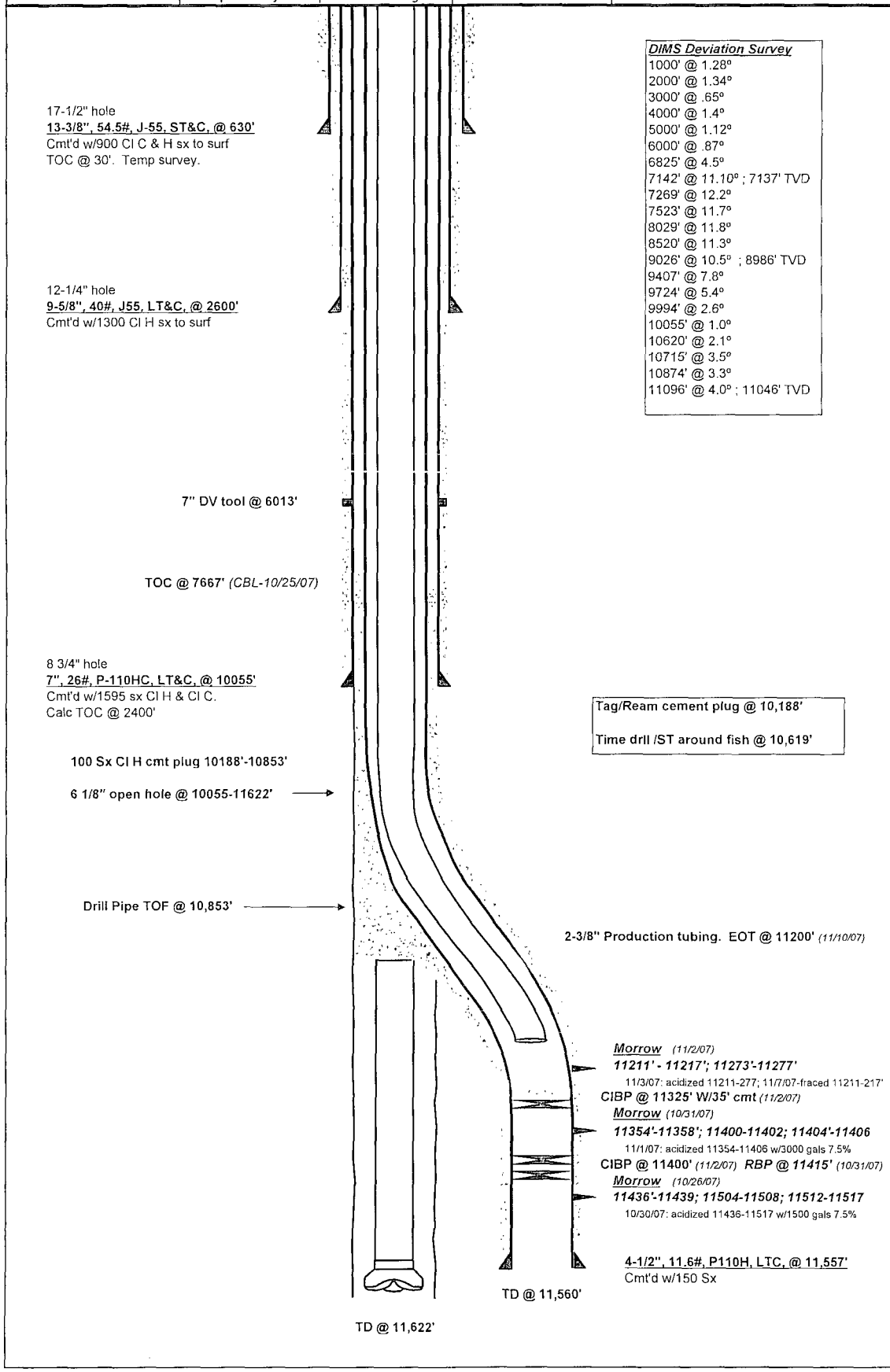
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office

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.

(Instructions on page 2)

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: AVALON HILLS 7 FED COM 4	Field: BURTON FLAT; MORROW	
Location: 460' FSL & 360' FEL	County: EDDY	State: NM
Elevation: 3232' KB; 3211' GL	Spud Date: 6/1/07	Compl Date:
API#: 30-015-35583 | Prepared by: Stephanie A. Ysasaga	Date: 9/5/07	Rev: 11/21/07--Ronnie Slack



Scientific Drilling

Scientific Drilling International, Inc.
2034 Trade Drive • Midland, Texas 79706
P. O. Box 9699 • Midland, Texas 79708
Tel: 432-563-1339 • Fax: 432-697-0324

23 August 2007

Don Jennings
Devon Energy
P.O. Box 1678
Oklahoma City, OK 73101

Subject: Avalon Hills 7 Federal Com #4

Mr. Jennings,

Enclosed are two original notarized surveys for the above referenced well, for your records and/or OCD reports. If you have any questions, please let me know.

Regards,

Becky Wharton

Enclosures

Scientific Drilling

DEVON ENERGY

Field: Burton Flat
Site: Eddy County, NM
Well: Avalon Hills 7 Federal Com #4
Wellpath: VH - Job #32K0707634
Survey: 07/26/07

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Company Representative

Notorized this date 23rd of August, 2007.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	DEVON ENERGY	**Date:** 08/22/2007	**Time:** 21:53:09	**Page:**	1
Field:	Burton Flat	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Avalon Hills 7 Federal Com #4	**Section (VS) Reference:**	Well (0.00N,0.00E,326.97Azi)		
Wellpath:	VH - Job #32K0707634	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	07/26/07 KSRG 0'-6373'	**Start Date:**	07/26/2007
Company:	Scientific Drilling Internatio	**Engineer:**	Madrid w/GeoGyro
Tool:	Keeper;Keeper Gyro	**Tied-to:**	From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.71	342.39	100.00	0.60	0.59	-0.19	0.71	0.62	342.39
200.00	0.31	322.98	199.99	1.46	1.40	-0.54	0.43	1.50	338.95
300.00	0.68	295.02	299.99	2.24	1.86	-1.24	0.43	2.24	326.40
400.00	1.01	268.14	399.98	3.20	2.09	-2.66	0.51	3.38	308.14
500.00	1.18	259.59	499.96	4.05	1.87	-4.55	0.24	4.92	292.36
600.00	1.00	260.26	599.94	4.79	1.54	-6.42	0.18	6.60	283.47
700.00	0.97	252.71	699.93	5.37	1.14	-8.09	0.13	8.17	278.01
800.00	0.98	255.65	799.91	5.87	0.68	-9.73	0.05	9.75	273.97
900.00	1.15	255.61	899.90	6.46	0.21	-11.53	0.17	11.53	271.06
1000.00	1.28	260.30	999.87	7.23	-0.22	-13.60	0.16	13.60	269.06
1100.00	1.25	256.98	1099.85	8.04	-0.66	-15.77	0.08	15.78	267.61
1200.00	1.19	271.31	1199.83	9.00	-0.88	-17.87	0.31	17.89	267.18
1300.00	1.79	267.81	1299.79	10.39	-0.92	-20.47	0.61	20.49	267.44
1400.00	2.08	272.77	1399.74	12.25	-0.89	-23.84	0.33	23.85	267.87
1500.00	1.90	270.27	1499.68	14.22	-0.79	-27.31	0.20	27.32	268.34
1600.00	1.70	269.95	1599.63	15.94	-0.79	-30.45	0.20	30.46	268.52
1700.00	1.57	264.71	1699.59	17.38	-0.91	-33.30	0.20	33.31	268.43
1800.00	1.43	266.85	1799.55	18.64	-1.11	-35.91	0.15	35.92	268.23
1900.00	1.24	263.18	1899.52	19.74	-1.30	-38.23	0.21	38.25	268.04
2000.00	1.34	264.24	1999.50	20.76	-1.55	-40.47	0.10	40.49	267.81
2100.00	1.49	264.66	2099.47	21.90	-1.79	-42.92	0.15	42.96	267.61
2200.00	1.17	262.70	2199.44	22.94	-2.04	-45.23	0.32	45.28	267.42
2300.00	1.03	262.85	2299.42	23.78	-2.28	-47.13	0.14	47.19	267.23
2400.00	1.15	257.57	2399.40	24.52	-2.61	-49.01	0.16	49.08	266.95
2500.00	0.84	257.60	2499.39	25.14	-2.98	-50.70	0.31	50.79	266.63
2600.00	0.70	270.86	2599.38	25.73	-3.13	-52.03	0.23	52.12	266.56
2700.00	0.71	260.32	2699.37	26.32	-3.23	-53.25	0.13	53.35	266.53
2800.00	0.74	259.73	2799.36	26.82	-3.45	-54.50	0.03	54.61	266.38
2900.00	0.60	270.10	2899.36	27.35	-3.56	-55.66	0.18	55.77	266.34
3000.00	0.65	259.06	2999.35	27.85	-3.67	-56.74	0.13	56.85	266.30
3100.00	0.49	275.34	3099.35	28.33	-3.73	-57.72	0.23	57.84	266.30
3200.00	0.72	254.21	3199.34	28.78	-3.87	-58.75	0.32	58.88	266.24
3300.00	0.45	281.99	3299.34	29.25	-3.95	-59.74	0.38	59.87	266.21
3400.00	0.52	291.18	3399.33	29.89	-3.71	-60.55	0.10	60.66	266.49
3500.00	0.48	280.77	3499.33	30.55	-3.47	-61.38	0.10	61.48	266.77
3600.00	0.62	333.07	3599.32	31.38	-2.91	-62.04	0.50	62.10	267.32
3700.00	0.72	343.97	3699.32	32.52	-1.82	-62.45	0.16	62.48	268.33
3800.00	0.62	5.88	3799.31	33.54	-0.68	-62.57	0.27	62.58	269.38
3900.00	1.01	4.99	3899.30	34.65	0.74	-62.44	0.39	62.45	270.68
4000.00	1.40	359.23	3999.28	36.38	2.84	-62.38	0.41	62.45	272.60
4100.00	1.17	354.97	4099.25	38.32	5.08	-62.49	0.25	62.69	274.64
4200.00	1.31	355.91	4199.23	40.22	7.23	-62.66	0.14	63.07	276.59
4300.00	1.37	354.29	4299.20	42.28	9.56	-62.86	0.07	63.58	278.65
4400.00	1.34	1.83	4399.17	44.30	11.92	-62.94	0.18	64.06	280.73
4500.00	1.33	354.65	4499.15	46.29	14.25	-63.01	0.17	64.60	282.74
4600.00	1.41	352.60	4599.12	48.43	16.62	-63.28	0.09	65.42	284.72
4700.00	1.29	0.48	4699.09	50.47	18.97	-63.43	0.22	66.20	286.65
4800.00	1.45	354.54	4799.06	52.53	21.35	-63.54	0.21	67.03	288.58

Scientific Drilling

Scientific Drilling International
Survey Report

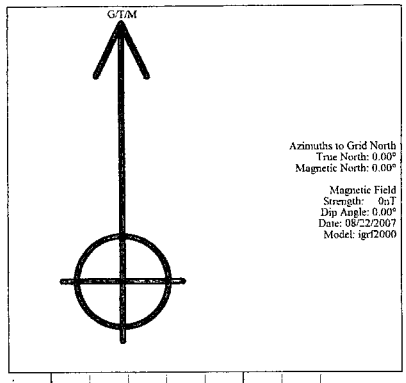
Company:	DEVON ENERGY	**Date:** 08/22/2007 **Time:** 21:53:09	**Page:** 2
Field:	Burton Flat	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0
Well:	Avalon Hills 7 Federal Com #4	**Section (VS) Reference:**	Well (0.00N,0.00E,326.97Azi)
Wellpath:	VH - Job #32K0707634	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

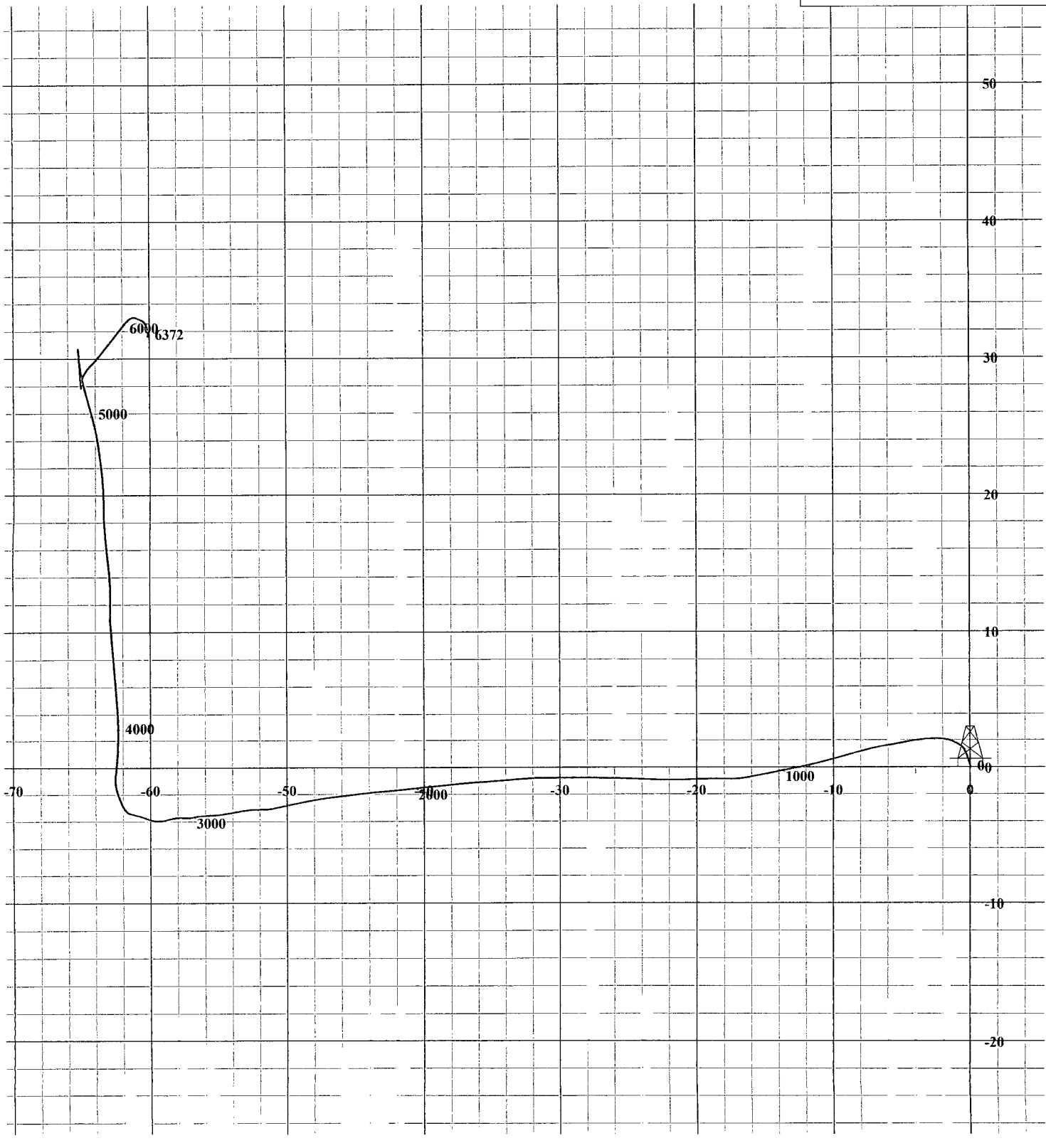
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	1.30	350.92	4899.03	54.69	23.73	-63.84	0.17	68.11	290.39
5000.00	1.12	344.66	4999.01	56.66	25.79	-64.27	0.22	69.26	291.87
5100.00	1.00	344.62	5098.99	58.42	27.58	-64.76	0.12	70.39	293.07
5200.00	0.78	350.41	5198.98	59.88	29.09	-65.11	0.24	71.31	294.08
5300.00	0.85	356.76	5298.97	61.15	30.50	-65.26	0.11	72.04	295.05
5400.00	2.17	175.93	5398.95	60.13	29.35	-65.17	3.02	71.48	294.25
5500.00	0.57	357.82	5498.93	58.90	27.96	-65.06	2.74	70.81	293.26
5600.00	0.49	29.77	5598.93	59.53	28.83	-64.86	0.30	70.98	293.96
5700.00	0.45	45.98	5698.93	59.80	29.47	-64.37	0.14	70.80	294.60
5800.00	0.62	39.20	5798.92	60.04	30.17	-63.74	0.18	70.52	295.33
5900.00	0.98	38.30	5898.91	60.48	31.26	-62.87	0.36	70.21	296.43
6000.00	0.87	39.09	5998.90	60.98	32.52	-61.86	0.11	69.89	297.73
6100.00	0.34	110.70	6098.90	60.98	33.00	-61.11	0.83	69.45	298.37
6200.00	0.27	110.61	6198.89	60.55	32.81	-60.61	0.07	68.92	298.43
6300.00	0.43	159.04	6298.89	59.99	32.38	-60.25	0.32	68.40	298.25
6373.00	0.71	174.32	6371.89	59.32	31.68	-60.11	0.43	67.95	297.79

Scientific Drilling

Field: Burton Flat
Site: Eddy County, NM
Well: Avalon Hills 7 Federal Com #4
Wellpath: VH - Job #32K0707634
Survey: 07/26/07





INCLINATION REPORT

DATE: 11/6/07

WELL NAME : AVALON FED COM 4
LOCATION: Section 7, T21S, R27E
OPERATOR: DEVON
DRILLING CONTRACTOR: GREY WOLF DRILLING COMPANY, LP
RIG 33

I, Marshall Hornsby, do hereby certify, that the following inclination report was prepared in the office of GREY WOLF DRILLING COMPANY, LP in Midland, Texas, under my supervision, from records of said well, and is true and correct to the best of my knowledge:

DEGREE	DEPTH	DEGREE	DEPTH	DEGREE	DEPTH	DEGREE	DEPTH
1.00 @	329	1.00 @	5381	10.60 @	9153		
4.00 @	940	1.50 @	5856	9.20 @	9280		
1.50 @	1169	1.50 @	6332	6.70 @	9660		
1.00 @	1201	1.70 @	6761	3.61 @	9787		
2.75 @	1411	4.50 @	6825	3.00 @	9913		
2.50 @	1665	8.70 @	7015	2.80 @	9977		
2.00 @	1824	9.70 @	7079	3.20 @	10684		
1.75 @	2014	12.20 @	7206	3.30 @	10747		
1.75 @	2268	11.50 @	7460	3.20 @	10830		
1.75 @	2590	10.40 @	7886	3.40 @	10906		
1.50 @	2807	11.70 @	8013	3.70 @	10938		
1.75 @	3379	11.30 @	8518	4.00 @	11033		
.25 @	3854	11.70 @	8772	4.30 @	11064		
1.50 @	4364	10.20 @	8963	4.00 @	11096		
1.00 @	4900	10.70 @	9089	3.50 @	11545		

Drilling Contractor:
Grey Wolf Drilling Company, LP

By: _____
Marshall Hornsby

Subscribed and sworn to before me on this 6 day of November, 2007

My Commission Expires: 11/18/09

By: Karina Rubio

Notary Public

KARINA RUBIO
Notary Public, State of Texas
My Commission Expires
November 18, 2009

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator Name and Address	[2] OGRID Number
Devon Energy Production Company, LP 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260	6137
	[3] Reason for Filing Code: NW

[4] API Number	[5] Pool Name	[6] Pool Code
30-015-35583	Burton Flat; Morrow	

[7] Property Code	[8] Property Name	[9] Well Number
	Avalon Hills 7 Fed Com	4

II. [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
P	7	21S	27E		460	South	360	East	Eddy

[11] Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
P	7	21S	27E		952	South	682	East	Eddy

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F	11/19/2007			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
9171	DCP Midstream P.O. Box 50020 Midland, Texas 79710-0020		G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC, MC
4/27/2007	11/19/2007	12,600'	11,290'	11,211-11277'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
17 1/2"	13 3/8" J-55	631'	375 sx Cl C
12 1/4"	9 5/8" J-55	2600'	1300 sx Cl C; 135 sx to pit
8 3/4"	7" P-110	10055'	1500 sx Cl C' 135 sx to pit
6 1/8"	4 1/2" P-110	11560'	150 sx Cl C

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
11/19/2007	11/19/2007	11/19/2007	24	560	0'
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**
17/64	0	11	220		

[47] I hereby certify that the rules of the Oil Conservation division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed Name: Stephanie A. Ysasaga

Title: Sr. Staff Engineering Technician

Date: 11/15/2007 Phone: (405) 552-7802

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

Form 3160-4
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: NM-0375257-A

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: Devon Energy Production Co., LP

8. Lease Name and Well No.: Avalon Hills 7 Fed Com 4

3. Address: 20 North Broadway, OKC, OK 73102

3a. Phone No. *(include area code)*: (405)-552-7802

9. AFI Well No.: 30-015-35583

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: SL: 460' FSL & 360' FEL

At top prod. interval reported below: PP: 952' FSL & 682' FEL

At total depth: ABHL: 952' FSL & 682' FEL

10. Field and Pool or Exploratory: Burton Flat; Atoka

11. Sec., T., R., M., on Block and Survey or Area: Sec 7-T21S-R27E

12. County or Parish: Eddy

13. State: NM

14. Date Spudded: 06/07/2007

15. Date T.D. Reached: 09/23/2007

16. Date Completed: ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 3232' GL

18. Total Depth: MD / TVD 11,560'

19. Plug Back T.D.: MD / TVD 11,290'

20. Depth Bridge Plug Set: MD / TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
AIT_MCFL_GR, IND, BHC, CNL, GR, TVD (Provided with initial completion)

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J-55	54.5#		631'		375 sx Cl C			
12 1/4"	9 5/8" J-55	40#		2600'		1300 sxCl C			135 sx to res pit
8 3/4"	7" P-110	26#		10055'		1500 sx Cl C			135 sx to res pit
6 1/8"	4 1/2" P-110	11.6#		11560'		150 sx Cl C		TOC @ 7,667'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	11,200'	10,410'			RBP @ 11,415'			

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Morrow	11436	11517	11436-11517'		36	CIBP @ 11,400'
B)	Morrow	11354	11406	11354-11406'		24	CIBP @ 11,325'
C)	Morrow	11211	11277	11211-11277'		32	Composite Plug @ 11,180'
D)	Atoka	10440	10456	10440-10456'		60	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
10440-10456	Acidize w/3000 gal 15% HCL acid + 90 ball slrs.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/28/07	12/28/07	24	→	6	1435	6			Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
17/64"	1150	0	→					Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Delaware	2600'
				Delaware Ss	2730'
				Bone Springs Lm	4862'
				2nd Bone Springs Lm	6478'
				3rd Bone Springs Ss	8410'
				Wolfcamp	8790'
				Penn	9186'
				Strawn	10106'
				Atoka	10350'
				Morrow	10912'
				Lower Morrow	11340'
				Barnett	11520'

32. Additional remarks (include plugging procedure):

Please note: Composite plug set @ 11,180 on 12/18/07; Morrow perforations isolated. Atoka perforations currently producing.

See Form 3160-5 for completed operation in Atoka zone.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Stephanie A. Ysasaga Title Sr. Staff Engineering Technician

Signature Date 01/09/2008

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.

(Continued on page 3)

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

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.

SUBMIT IN TRIPLICATE – Other instructions on page 2.

5. Lease Serial No.
NM-0375257-A

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
Avalon Hills 7 Fed Com 4

2. Name of Operator
Devon Energy Production Co., LP

9. API Well No.
30-015-35583

3a. Address
20 North Broadway
OKC, OK 73102

3b. Phone No. *(include area code)*
(405)-552-7802

10. Field and Pool or Exploratory Area
Burton Flat; Atoka

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SESE 460' FSL & 360' FEL
Sec 7-T21S-R27E Lot P

11. Country or Parish, State
Eddy County, NM

12. CHECK THE 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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Completion Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

12/18/07 - 12/28/07:

MIRU. Bld dwn csg & tbg - pmp 10 bbls of 2% dwn csg to kill gas. NU/DN tree - NU/BOP - TOH w/345 jts 2 3/8" tbg. RU W/L - RIH & set composite plug @ 11,180'. RD/WL. RU W/L. RIH & perf Atoka @ 10,440', 10,452' & 10,456'; (3SPF) 60 holes. RU wire trk - RIH & W/L set pkr @ 10,410'. RD/WL - bld dwn csg. TIH w/prod tbg as follows: 1 jt 2 3/8" tbg, 1 - 4' sub, 227 jts 2 3/8" tbg, on/off tool, pkr @ 10,410' w/1.87F profile, 4' tbg sub, 1.81F profile, 4' tbg sub, 1.78 R nipple, tbg disk = EOT @ 10,426'. J-up - NU/DN/BOP - NU/Tree - ld tbg w/38 blw & blw tbg disk. RIH w/swab. Swab well in, flw bck. Acidize Atoka w/3000 gals 15% HCL + 90 bll slrs. Swab. Kick well off flowing. Bring well on production.

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
Stephanie A. Ysasaga

Title Sr. Staff Engineering Technician

Signature

Date 01/09/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

(Instructions on page 2)

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		BURTON FLAT; ATOKA

Property Code	Property Name	Well Number
	AVALON HILLS "7" FED COM	4

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY LP	3211'

Surface Location

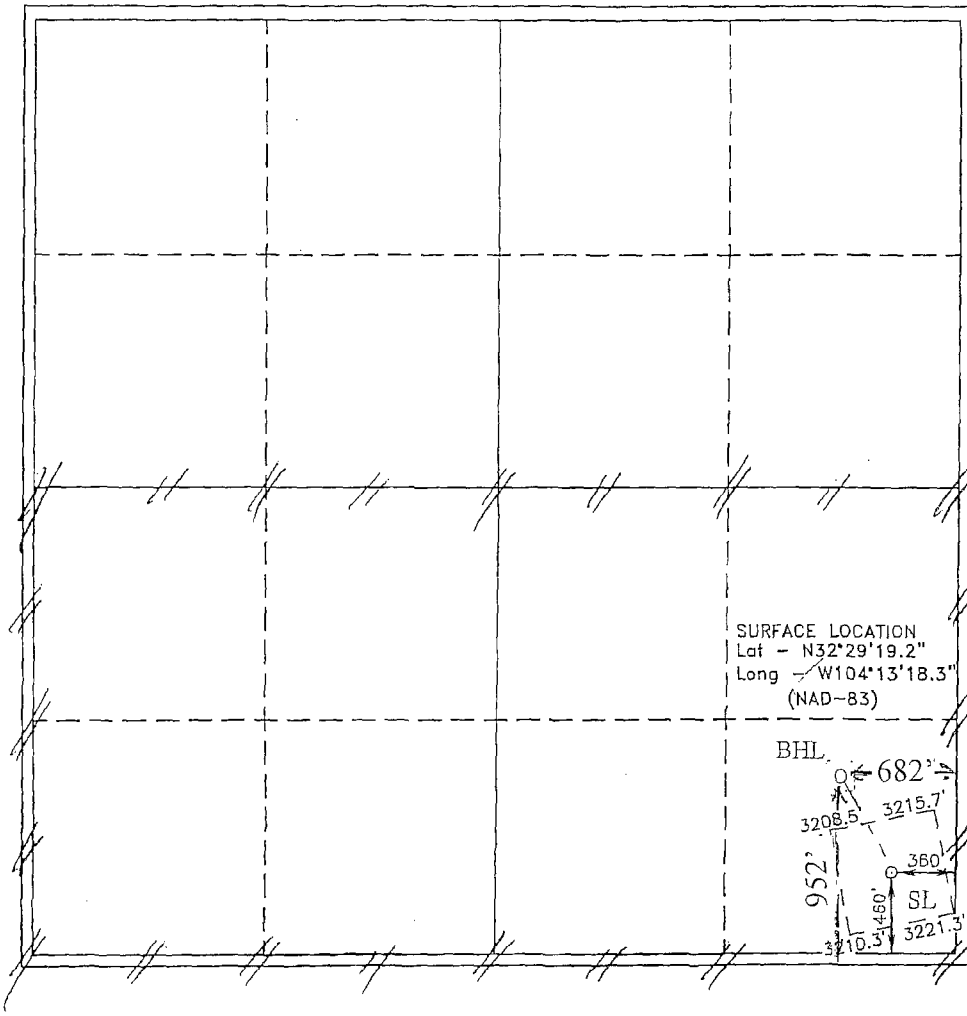
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	21 S	27 E		460	SOUTH	360	EAST	EDDY

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
P	7	21S	27E		952	SOUTH	682	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

03/20/07
Signature Date

STEPHANIE A. YSASAGA
Printed Name

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 supervison, and that the same is true and correct to the best of my belief.

MARCH 07, 2007
Date Surveyed
Signature & Seal of Professional Surveyor

7845
Certificate No. Gary L. Jones 7977

BASIN SURVEYS

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator Name and Address	[2] OGRID Number
Devon Energy Production Company, LP 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260	6137
	[3] Reason for Filing Code: NW

[4] API Number	[5] Pool Name	[6] Pool Code
30-015-35583	Burton Flat; Atoka	

[7] Property Code	[8] Property Name	[9] Well Number
	Avalon Hills 7 Fed Com	4

II. [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
P	7	21S	27E		460	South	360	East	Eddy

[11] Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
P	7	21S	27E		952	South	682	East	Eddy

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F	12/28/2007			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
9171	DCP Midstream P.O. Box 50020 Midland, Texas 79710-0020		G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC, MC
4/27/2007	12/28/2007	12,600'	11,290'	10,440-10,456'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
17 1/2"	13 3/8" J-55	631'	375 sx Cl C
12 1/4"	9 5/8" J-55	2600'	1300 sx Cl C; 135 sx to pit
8 3/4"	7" P-110	10055'	1500 sx Cl C' 135 sx to pit
6 1/8"	4 1/2" P-110	11560'	150 sx Cl C

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
12/28/2007	12/28/2007	12/28/2007	24	1150	0'
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**
17/64	6	6	1435		

[47] I hereby certify that the rules of the Oil Conservation division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

OIL CONSERVATION DIVISION

Signature:
Printed Name: Stephanie A. Ysasaga
Title: Sr. Staff Engineering Technician
Date: 1/9/2008 Phone: (405) 552-7802

Approved by:
Title:
Approval Date:

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date