,	$\sum_{i=1}^{n}$	
1/23 h		ISE ENGINEER WUT 1/23/08 (DHC-3988) DUV)0802444773
		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 N	IANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
• -	[DHC-Dow [PC-Po	is: Indard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] Inhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] Iool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] Inified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1] T	TYPE OF AI [A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
	Checl [B]	k One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	[D]	Other: Specify
[2] N	OTIFICAT [A]	TION REQUIRED TO: - Check Those Which Apply, or 🖾 Does Not Apply 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
		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE ATION 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 applications are submitted to the Division.

	Note:	Statement must be completed	i øy/an ind	, lividual with managerial and/or supervisory capacity.	
Charless's A. Verman		X 14	$\left[\left(\right) \right]$	A Section Technician	01/11/2008
Stephanie A. Ysasaga		}		Sr. Staff Engineering Technician	01/11/2008
Print or Type Name		Signature	(/	Title	Date
		V		Stephanie.Ysasaga@dvn.com	
			l	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

<u>District I</u>

District II

1301 W. Grand Avenue, Artesia, NM 88210 District III

1625 N. French Drive, Hobbs, NM 88240

-ad Aziec NM 87410 00 Rio Bra

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Lease

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

Oil Conservation Division

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

APPLICATION TYPE Single Well Establish Pre-Approved Pools EXISTING WELLBORE Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

20 NORTH BROADWAY OKC, OK 73102-8260 **DEVON ENERGY PRODUCTION CO., LP** Operator Address Avalon Hills 7 Fed Com 4

Well No.

Unit P Sec 7-T21S- R27E Unit Letter-Section-Township-Range

Eddy County

188

OGRID No.__6137__ Property Code API No. <u>30-015-35583</u> ____Lease Type: ___Federal __X__State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	-Burton-Flat; Atoka (Gas)		Burton Flat; Morrow Hast 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 12/18/0
Date and Oil/Gas/Water Rates of			
Last Production. (Note: For new zones with no production history,	Date: 01/19/08	Date:	Date: 12/17/07
applicant shall be required to attach production			225-315mcFI
estimates and supporting data.)	Rates: 0 oil/624 mcf/23 wtr	Rates:	Rates: 0 oil/62 mcf/0 wtr
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas
than current or past production, supporting data or explanation will be required.)	100% 50%	% %	0% 50%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	YesX Yes	No 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	NoX
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.
Thereby certify that the information above is the and complete to the best of my knowledge and benefit.
SIGNATURE
TYPE OR PRINT AMEStephanie A. YsasagaTELEPHONE NO(405)-552-7802
E-MAIL ADDRESS Stephanie/Ysasaga@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

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

This inbound email has been scanned by the MessageLabs Email Security System.

	UNITED STATES PARTMENT OF THE IN REAU OF LAND MANAG		0	FORM APPROVED DMB No. 1004-0137 pires: March 31, 2007
Do not use this	NOTICES AND REPOR form for proposals to Use Form 3160-3 (API	drill or to re-enter a	6. If Indian, Allottee o	or Tribe Name
SUBM	IIT IN TRIPLICATE – Other ins	structions on page 2.	7. If Unit of CA/Agre	ement, Name and/or No.
1. Type of Well			8. Well Name and No	
Qil Well Gas	Well Other	·····	9. API Well No.	
Devon Energy Production Co., LP			30-015-35583	
3a. Address 20 North Broadway OKC, OK 73102		. Phone No. <i>(include area co</i> 05)-552-7802	bde) 10. Field and Pool or Burton Flat; Morrow	
4. Location of Well (Footage, Sec., 7 SESE 460 FSL & 360 FEL Sec 7-T21S-R27E Lot P	.,R.,M., or Survey Description)		11. Country or Parish, Eddy County, NM	State
12. CHE	ECK THE APPROPRIATE BOX(ES) TO INDICATE NATUR	E OF NOTICE, REPORT OR OTH	ER DATA
TYPE OF SUBMISSION		Т	PE OF ACTION	<u></u>
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 Temporarily Abandon	Other Downhole
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal	
determined that the site is ready f Devon Energy Production Compar Pool code # 73106 (10,440' – 10, value of the total production. Owne Burton Flat; Atoka (Gas): Pool coo Burton Flat; Morrow East Gas: Po Current and proposed wellbore sch	ny, L.P. is applying with the Ne 456') with the Burton Flat; Mori ership in the zones is uniform. de # 73106 Gas 50% Oil 100 ool code #73320 Gas 50% O	ow East Gas: Pool code a The proposed allocations % il 0%	≠73320 (11,211'-11,277'). The c are as follows:	
14. Thereby certify that the foregoing is Name (Printed/Typed)	true and correct.		······	
Stephanie A. Ysasaga	111.		Engineering Technician	
Signature		Date 01/08/2		······
		DR FEDERAL OR ST		
Approved by U	(Title		Dota
Conditions of approval, if any, are attach that the applicant holds legal or equitable entitle the applicant to conduct operation	title to those rights in the subject le	t warrant or certify		Date
Title 18 U.S.C. Section 1001 and Title 4. fictitious or fraudulent statements or rep			nd willfully to make to any department	nt or agency of the United States any false.

(Instructions on page 2)



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 Adviso

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

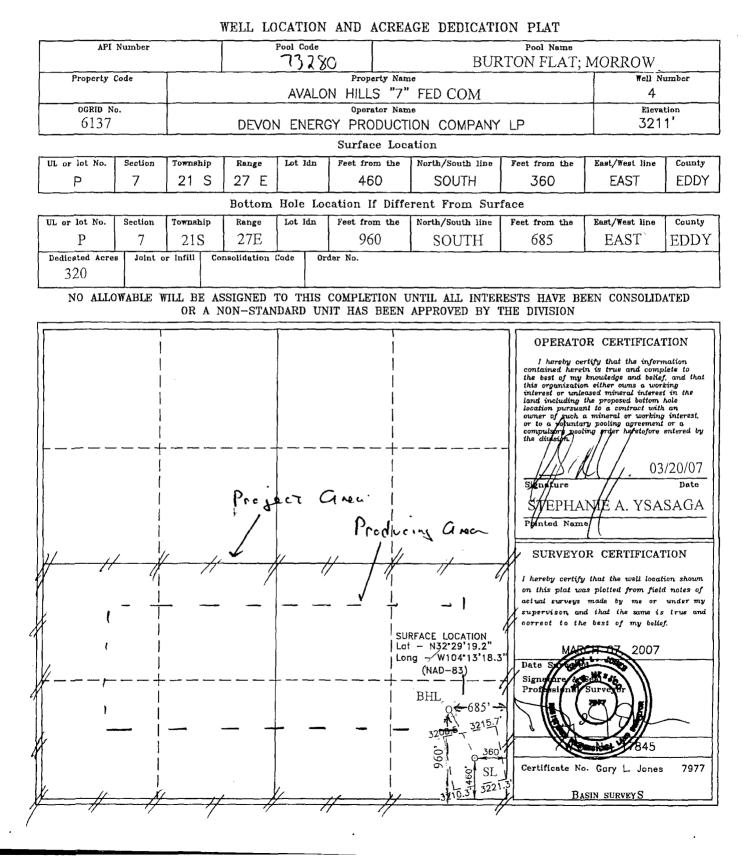
State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

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

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

D AMENDED REPORT



DISTRICT I 1625 N. French Dr., Hobbs, NM 68240 DISTRICT II 1301 W. Grand Avenue, Arlesis, NM 88210

DISTRICT III

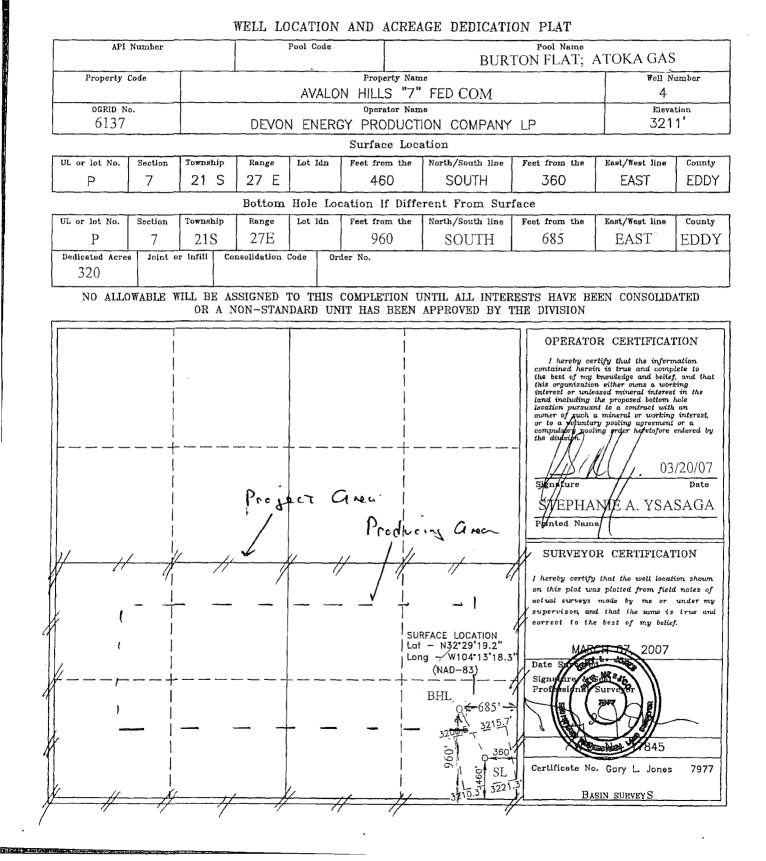
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV 1220 S. St. Francis Dr., Santa Fs. NM 87505 State of New Mexico Energy, Minerals and Natural Resources Department Form C-102 Revised October 12, 2005

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

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

□ AMENDED REPORT



Actual OIL Actual	AVALON HILLS 7. F		NL COM 4	MORROW	EDERAL COM 4 - MORROW PRODUCTION	ار میں ا مراجع	
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COM 4 (MORROW) 12/18/2007 0 0 17 17 COM 4 (MORROW) 12/19/2007 0 0 15 15 COM 4 (MORROW) 12/19/2007 0 0 0 15 COM 4 (MORROW) 12/21/2007 0 0 0 15 COM 4 (MORROW) 12/22/2007 0 0 0 17 COM 4 (MORROW) 12/21/2007 0 0 0 17 COM 4 (MORROW) 12/21/2007 0 0 0 17	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/17/2007	0	62.17	0	17	450
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COM 4 (MORROW) 12/20/2007 0 0 15 15 COM 4 (MORROW) 12/21/2007 0 0 0 15 15 COM 4 (MORROW) 12/22/12007 0 0 0 16 15 COM 4 (MORROW) 12/22/12007 0 0 0 17 17 COM 4 (MORROW) 12/22/12007 0 0 0 17 17 COM 4 (MORROW) 12/22/12007 0 0 0 17 17 COM 4 (MORROW) 12/22/12007 0 0 0 17 17 COM 4 (MORROW) 12/22/12007 0 0 0 17 17 COM 4 (MORROW) 12/22/2007 0 0 0 17 17 COM 4 (MORROW) 12/22/2007 0 0 0 17 17 COM 4 (MORROW) 12/22/2007 0 0 0 17 17 COM 4 (MORROW) 12/22/2007 0 0 0<	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/19/2007	0	0	0	15	450
12/21/2007 0 0 15 15 12/22/2007 0 0 0 17 17 12/22/2007 0 0 0 17 17 12/22/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/27/2007 0 0 0 17 17 12/27/2007 0 0 0 17 17 12/27/2008 <t< td=""><td></td><td>12/20/2007</td><td>0</td><td>0</td><td>0</td><td>15</td><td>1450</td></t<>		12/20/2007	0	0	0	15	1450
12/22/2007 0 0 0 17 17 12/23/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/200	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/21/2007	0	0	0	15	1350
12/23/2007 0 0 0 17 12/24/2007 0 0 0 17 12/25/2007 0 0 0 17 12/25/2007 0 0 0 17 12/25/2007 0 0 0 17 12/25/2007 0 0 0 17 12/25/2007 0 0 0 17 12/25/2007 0 0 0 17 12/27/2007 0 0 0 17 12/23/2007 0 0 0 17 12/31/2007 0 0 0 17 12/31/2007 0 0 0 17 12/31/2008 0 0 17 17 11/1/2008 0 0 0 17 11/1/2008 0 0 0 17 11/1/2008 0 0 0 17 1/1/2/2008 0	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/22/2007	0	0	0	17	1300
12/24/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/29/2007 0 0 0 17 17 12/30/2007 0 0 0 17 17 12/31/2007 0 0 0 17 17 12/31/2007 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 </td <td>AVALON HILLS 7 FEDERAL COM 4 (MORROW)</td> <td>12/23/2007</td> <td>0</td> <td>0</td> <td>0</td> <td>17</td> <td>1300</td>	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/23/2007	0	0	0	17	1300
12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/25/2007 0 0 0 17 17 12/29/2007 0 0 0 17 17 12/31/2007 0 0 0 17 17 12/31/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 0 0 0 17 17 11/1/2008 <td>AVALON HILLS 7 FEDERAL COM 4 (MORROW)</td> <td>12/24/2007</td> <td>0</td> <td>0</td> <td>0</td> <td>17</td> <td>1300</td>	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/24/2007	0	0	0	17	1300
12/26/2007 0 0 0 17 17 12/25/2007 0 0 0 0 17 17 12/27/2007 0 0 0 0 17 17 12/29/2007 0 0 0 0 17 17 12/29/2007 0 0 0 17 17 17 12/29/2007 0 0 0 17 17 17 12/30/2007 0 0 0 17 17 17 12/31/2008 0 0 0 17 17 17 11/1/2008 0 0 0 17 17 17 11/3/2008 0 0 0 17 17 17 17 11/1/2008 0 0 0 0 17 17 17 11/3/2008 0 0 0 0 17 17 17 11/5/2008 <	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/25/2007	0	0	0	17	1240
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/26/2007	0	0	0	17	1180
12/28/2007 0 0 0 17 17 12/29/2007 0 0 0 0 17 17 12/29/2007 0 0 0 0 17 17 12/30/2007 0 0 0 0 17 17 12/31/2008 0 0 0 17 17 17 11/1/2008 0 0 0 17 17 17 11/1/2008 0 0 0 17 17 17 11/1/2008 0 0 0 17 17 17 11/1/2008 0 0 0 17 17 17 11/1/2008 0 0 0 17 17 17 17 11/1/2008 0 0 0 17 17 17 17 11/1/2008 0 0 0 0 17 17 17	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/27/2007	0	0	0	17	1000
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/28/2007	0	0	0	17	1150
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	12/29/2007	0	0	0	17	1000
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		12/30/2007	0	0	0	17	940
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		12/31/2007	0	0	0	17	006
1/2/2008 0 0 0 17 1/3/2008 0 0 0 17 1/3/2008 0 0 0 17 1/4/2008 0 0 0 17 1/5/2008 0 0 0 17 1/5/2008 0 0 0 17 1/5/2008 0 0 0 17 1/7/2008 0 0 0 17		1/1/2008	0	0	0	17	860
1/3/2008 0 0 0 1/7 1/4/2008 0 0 0 17 1/5/2008 0 0 0 17 1/5/2008 0 0 0 17 1/5/2008 0 0 0 17 1/5/2008 0 0 0 17 1/7/2008 0 0 0 17	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/2/2008	0	0	0	17	820
1/4/2008 0 0 0 17 1/5/2008 0 0 0 17 1/5/2008 0 0 0 17 1/6/2008 0 0 0 17 1/7/2008 0 0 0 17	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/3/2008	0	0	0	17	800
1/5/2008 0 0 0 17 1/6/2008 0 0 0 17 1/7/2008 0 0 0 17	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/4/2008	0	0	0	17	800
1/6/2008 0 0 17 1/7/2008 0 0 17	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/5/2008	0	0	0	17	800
7 FEDERAL COM 4 (MORROW) 1/7/2008 0 0 0 17	AVALON HILLS 7 FEDERAL COM 4 (MORROW)	1/6/2008	0	0	0	17	740
	7 FEDERAL	1/7/2008	0	0	0	17	600

	Tubing Pressure	650	650
lon	Choke	17	17
PRODUCT	Actual Water Production	0	0
- MORROW	Actual Gas	0	0
AL COM 4-	Actual Oil Production	0	0
7 FEDER/	Date	1/8/2008	1/9/2008
AVALON HILCS	mpletion Name	ALON HILLS 7 FEDERAL COM 4 (MORROW)	(VALON HILLS 7 FEDERAL COM 4 (MORROW)
**** ***	So	A V	Å<

AVALON HILLS 7	S 7 FEDE	RAL COM 4	- ATOKA	FEDERAL COM 4 - ATOKA PRODUCTION	Z	
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	С	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	9	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	9	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	σ	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	9	17	1000
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/28/2007	5.182	1676	9	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	9	17	940
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	12/31/2007	25.907	1610	9	17	006
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	ω	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		17	860
AVALON HILLS 7 FEDERAL COM 4 (ATOKA)	1/6/2008	5.181	978	30	17	740

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

Ysasaga, Stephanie

From:	Pittman, Jack
Sent:	Monday, January 14, 2008 10:01 AM
То:	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\DEV	ON06_9;54;08 AM_10-17-	07RUN	
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 M	IORROW	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 C	Composition	0.5872		
Lab Density Test Value				
BTUs @ 14.73 Saturate	d	1,009		
BTUs @ 14.73 Dry		1,027		
Compressibility		0.99785		

Natural Gas Analysis Report

Run File	C:\STAR\DATA\DEV	ON12_10;14;03 AM_4-17-	06RUN	
Method	C:\Star\BTUC6+.mth			
Operator	JD		Analysis Date	4/17/06
Station #	885-33-059		Company	DEVON ENERGY
Lease	DELTA M12 FEE 2 A	тока	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 C	omposition	0.6153		
Lab Density Test Value				
BTUs @ 14.73 Saturated	t	1,064	,	<u>^</u>
BTUs @ 14.73 Dry		1,083	EF	\sim
Compressibility		0,99757		

Ysasaga, Stephanie

From:Potter, TracySent:Thursday, January 17, 2008 9:31 AMTo:Ysasaga, StephanieSubject:Avalon Hills 7 Fed. #4

Attachments: Avalon Hills 7 Fed. #4.tif

If you have any questions, please let me know.

Thank you,

• . a

Tracy Potter for Mr. Jack Pittman



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

Sta. # 885-12-097

Devon Energy

LIQUID ()

IDENTIFICATION Avalon Hills 7 Fed. #4

Rob

ANALYSIS BY: Vicki McDaniel





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

Telephone: (505) 397-3713

SAMPLE:

COMPANY:

LEASE: PLANT:

GAS (XX)

SAMPLED BY:

FOR: Devon Energy Attention: Jack Pittman P.O. Box 250 Artesia, New Mexico 88211-0250

SAMPLE DATA:	DATE SAMPLED	1/14/08
	ANALYSIS DATE:	1/15/08
	PRESSURE – PSIG	453
	SAMPLE TEMP. °F	98.6
	ATMOS. TEMP. °F	64
REMARKS:	H2S = 1 PPM	

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

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide Nitrogen Carbon Dioxide Methane Ethane Propane	(H2S) (N2) (CO2) (C1) (C2) (C3)	0.743 0.546 88.972 5.329 2.035	1.422 0.559
I-Butane N-Butane I-Pentane N-Pentane Hexane Plus	(IC4) (NC4) (IC5) (NC5) (C6+)	0.459 0.580 0.233 0.199 0.904	0.150 0.182 0.085 0.072 0.392 2.862
BTU/CU.FT DRY AT 14.650 DRY AT 14.650 WET AT 14.73 DRY AT 14.73 WET	1138 1135 1115 1141 1121		MOLECULAR WT. 18.9710
SPECIFIC GRAVITY CALCULATED MEASURED	0.653		

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. L	5. Lease Serial No. NM-0375257-A			
la. Type of	Well		Dil Well	<u>N</u>	Gas Well		Other					6. If	`Indian,	Allottee or 7	fribe Name
b. Type of	Completion				Vork Over	Deepen	Plug Back	L Dif	f. Resvr.,			7. U	nit or C/	A Agreemen	t Name and No.
2. Name of Devon End	Operator											8. L	ease Nar	ne and Well	No.
Devon Energy 3. Address			Co., LF) 				Dhama	No (incl	ude area code)			Ava FI Well		' Fed Com 4
	OKC, OK 73	102					(-	405)-552						30-015-3	
4. Location		•		,	d in accorde	ance with Fede	ral requirement	nts)*				10. 1		Pool or Ex	
At surfac	sL: 460 e) FSL	& 30U	FEL								11.	Sec T	P M on B	llock and
				PP: 98	52' FSL &	682' FEL							Survey of	r Area Sec 7	-T21S-R27E
At top pro	od, interval i	eported	d below									12. (County o	r Parish	13. State
At total de	epth ABI	HL: 9	52' FSL	. & 682'	FEL								Ed	dy	NM
14. Date Sp 06/07/200	udded			5. Date T	.D. Reached	1		Date Com		eady to Prod.			Elevatior 2' GL	ns (DF, RK)	B, RT, GL)*
18. Total De			(19/23/20		g Back T.D.:	MD L	D&A		20. Depth Brid	lge Plug		Z GL MD		~
21. Type E		<u>D 11,</u>		awa Dun	/Submit con	- v of anab)	TVD 11,29	0'		22. Was well o	ored?	И И	TVD	Yes (Submit	(analysis)
AIT_MCFI				-		y of each)				Was DST :	run?	Z N	•	Yes (Submit	report)
23. Casing	_)		<u></u>		Directiona	I Survey	<u>? []</u> N	• 7	Yes (Submit	copy)
Hole Size	Size/Gr		Wt. (#/f		op (MD)	Bottom (MI		ementer pth		of Sks. & of Cement	Slurry (BB		Ceme	ent Top*	Amount Pulled
17 1/2"	13 3/8" .	J-55	54.57	‡		631'		.pui		sx CI C	(100				· · · · · · · · · · · · · · · · · · ·
12 1/4"	9 5/8" J-	55	40#			2600'	_		1300	sxCl C					135 sx to res pit
8 3/4"	7" P-1	10	26#			10055'				sx CI C					135 sx to res pit
6 1/8"	4 1/2" P	-110	11.6	t		11560'	-		150	sx CI C			TOC @	2,667'	
<u> </u>															
24. Tubing	Record		··			L			I					l	
Size 2 3/8"	Depth S		D) P:	icker Dep	th (MD)	Size	Depth S	et (MD)	<u> </u>	Depth (MD)	Siz	e	Deptl	n Set (MD)	Packer Depth (MD)
2 3/8 25. Produci	11,200 ng Intervals						26. Pe	rforation		y 11,415					
	Formatio	n			op	Bottom		forated Ir		Si	ze	No. I			Perf. Status
A) Morro					436	11517		1436-11				36			3P @ 11,400'
C) Morro					354 211	<u>11406</u> 11277		<u>1354-11</u> 1211-11			· <u> </u>	24 32	·		3P @ 11,325' Producing
D)															-roddoing
27. Acid, F	racture, Tre	atment,	Cemen	Squeeze	, etc.										
	Depth Inter 436-1151			Acidiz	e w/15% (jal 7 1/2% ad	rid w/methar			and Type of Ma	terial				
	1354-1140					gal 7 1/2% a			<u>, Dir 31/3</u>						
	211-1127								rac w/60	6 tons of CO2	2, 291,5	575 SC	F N2, 5	1,000# sn.	
28 Product Date First		al A Hours	Te		Oil	Gas	Water	Oil Gra	vity	Gas	Prod	uction M	ethod		
Produced		Tested		duction	BBL	MCF	BBL	Corr. A	PI	Gravity	Flov	wing			
_	11/19/07	24			0	220	11								
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Rai	Hr. e	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Status Producino					
17/64"	SI 560			-				-			7				
28a. Produc	[_	0 al B			I		<u> </u>	1							
Date First	Test Date	Hours	Te		Oil	Gas	Water	Oil Gra		Gas	Prod	uction M	ethod		
Produced		Tested	Pro	duction	BBL	MCF	BBL	Corr. Al	171	Gravity					
Choke	fbg. Press.	Cea	24	-	Oil	Gas	Water	Gas/Oil		Well Status					
	Flwg.	Csg. Press.	Rai		BBL	MCF	BBL	Ratio							
	SI		-												

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

28b, Prod	luction - Inte	erval C							
	Test Date		Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced	1	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
Choke	Tbg. Press		24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	51]							
28c. Prod	uction - Inte	rval D		_l					
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
			\rightarrow]					
Choke	Tbg. Press	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI		>						
			and fan fund we						

31. Formation (Log) Markers

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.

					Тор
Formation	Тор	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
				Defaware Delaware Ss	2600' 2730'
				Bone Springs Lm 2nd Bone Springs Lm	4862' 6478'
				3rd Bone Springs Ss Wolfcamp	8410' 8790'
				Penn Strawn	9186' 10106'
				Atoka Morrow	10350' 10912'
				Lower Morrow Barnett	11340' 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.) Sundry Notice for plugging and cement verification 	Geologic Report	DST Report Directional Survey	
34. I hereby certify that the foregoing and attached information Name (please print) Stephanie A. Vsasaga Signature	Title	etermined from all available records (see attached instructions)* Sr. Staff Engineering Technician 11/15/2007	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 1 false, fictitious or fraudulent statements or representations as to a		on knowingly and willfully to make to any department or agency of the United Sta tion.	tes any.
(Continued on page 3)		(Form 3160)-4, page 2)

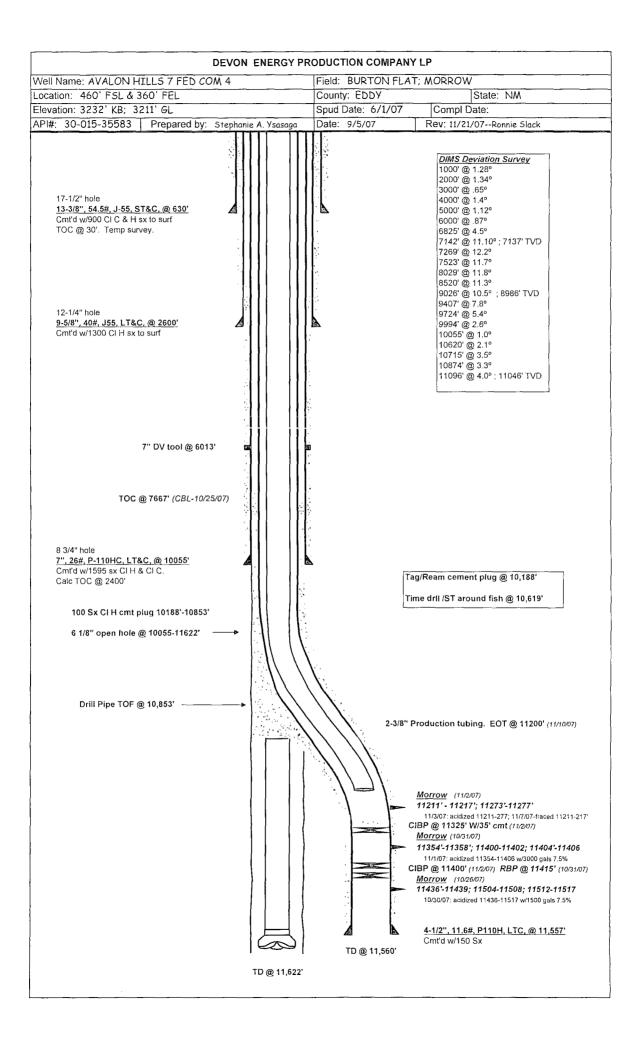
Form 3160-5 (February 2005)		UNITED STATE PARTMENT OF THE EAU OF LAND MAN	INTERIOR		0	ORM APPROVED MB No. 1004-0137 Dires: March 31, 2007	
Do not	use this f		ORTS ON WELLS to drill or to re-enter a NPD) for such proposa		6. If Indian, Allottee o		
	SUBMI	IN TRIPLICATE - Other	r instructions on page 2.		7. If Unit of CA/Agree	ement, Name and/or No.	
1. Type of Well	🖌 Gas W	/ell 🗌 Other				7 Fed Com 4	
2. Name of Operator Devon Energy Product	ion Co., LP				9. API Well No. 30-015-3	35583	
3a, Address 20 North Broadway OKC, OK 73102	<u> </u>		3b. Phone No. <i>(include area co</i> (405)-552-7802	ode)	10. Field and Pool or E Burton	Exploratory Area n Flat; Morrow	
4. Location of Well (Foc SESE 460' FSL & 360' FEL Sec 7-T21S-R27E Lot P	ptage, Sec., T.,.	R.,M., or Survey Description)		11. Country or Parish, Eddy (State County, NM	
	12. CHEC	K THE APPROPRIATE BO	DX(ES) TO INDICATE NATUR	E OF NOTIC	CE, REPORT OR OTHI	ER DATA	
TYPE OF SUBM	ISSION		TY	PE OF ACT	TON		
Notice of Intent		Acidize	Deepen Fracture Treat	_	uction (Start/Resume) amation	Water Shut-Off	
Subsequent Report		Casing Repair	New Construction Plug and Abandon	_	omplete porarily Abandon	Other Completion	Report
Final Abandonmen	t Notice	Convert to Injection	Plug Back	Wate	er Disposal		
the proposal is to dee Attach the Bond und following completion	epen directions for which the v n of the involv	Illy or recomplete horizontal ork will be performed or pr ed operations. If the operati	rtinent details, including estimate lly, give subsurface locations and ovide the Bond No. on file with on results in a multiple completi be filed only after all requiremer	l measured an BLM/BIA. R on or recomp	nd true vertical depths o Required subsequent rep elction in a new interval.	f all pertinent markers and z orts must be filed within 30 , a Form 3160-4 must be file	zones. days ed once

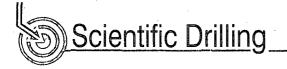
determined that the site is ready for final inspection.)

10/21/07 - 11/11/07:

MRU. 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. RIs 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. RIs pkr & tob wite, stude to the set of the

 14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>) Stephanie A. Ysasaga 	Title Sr. Staff Engineering Technician
Signature	Date 11/15/2007
THIS SPACE FOR F	EDERAL OR STATE OFFICE USE
Approved by	Title Date
Conditions of approval, if any, are attached. Approval of this notice does not warr, that the applicant holds legal or equitable title to those rights in the subject lease we entitle the applicant to conduct operations thereon.	ant or certify
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for fictitious or fraudulent statements or representations as to any matter within its jur	any person knowingly and willfully to make to any department or agency of the United States any fal- sdiction.





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



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 <u>23rd</u> of <u>august</u> ____, 2007.

borah 1 Bynum Notary Signature

County of Midland State of Texas





1.34

1.33

1.41

1.29

1.45

4400.00

4500.00

4600.00

4700.00

4800.00

4399.17

4499.15

4599.12

4699.09

4799.06

1.83

354.65

352.60

354.54

0.48

44.30

46.29

48.43

50.47

52.53

11.92

14.25

16.62

18.97

21.35

-62.94

-63.01

-63.28

-63.43

-63.54

0.18

0.17

0.09

0.22

0.21

64.06

64.60

65.42 66.20

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280.73

282.74

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288.58

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Scientific Drilling International

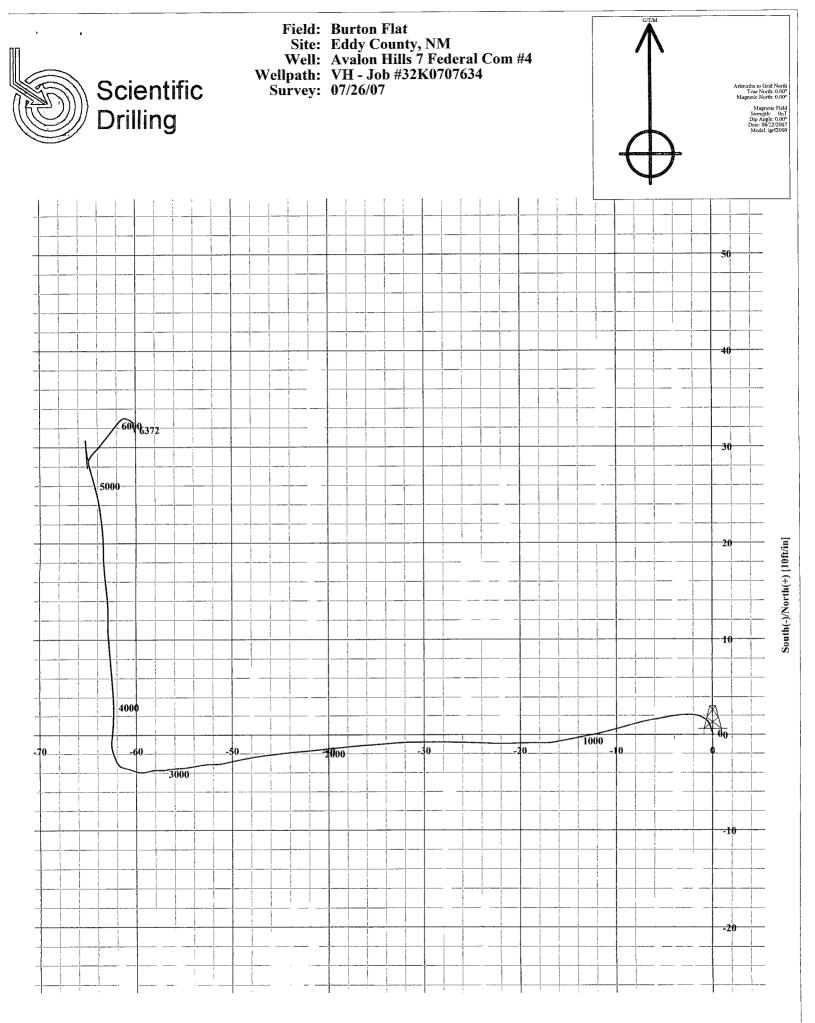
Survey Report

Dr	illing		S	urvey Re	port				
ite: Eddy	n Flat County, NM n Hills 7 Fede			Co-ordin Vertical Section (08/22/2007 hate(NE) Refe (TVD) Refere VS) Referenc Calculation M	erence: S ence: S e: \	SITE 0.0	unty, NM, Grid N .00E,326.97Azi)	
	26/07			Star	t Date:	07/	26/2007		
ompany: Scie	RG 0'-6373' entific Drilling				neer:		drid w/GeoGy	/ro	
fool: Kee	per;Keeper G			Tied	-10:	FIC	m Surface		
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 2900.00	0.74 0.60	259.73 270.10	2799.36 2899.36	26.82 27.35	-3.45 -3.56	-54.50 -55.66	0.03 0.18	54.61 55.77	266.38 266.34
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 3900.00	0.62 1.01	5.88 4.99	3799.31 3899.30	33.54 34.65	-0.68 0.74	-62.57 -62.44	0.27 0.39	62.58 62.45	269.38
3900.00			2023.20		0.74				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



Scientific Drilling International Survey Report

ield: Burtor ite: Eddy (vell: Avalor	N ENERGY T Flat County, NM T Hills 7 Fede ob #32K0707			Co-ordin Vertical Section ()8/22/2007 ate(NE) Refe (TVD) Refere (VS) Referenc calculation M	ence: ence: e:	SITE 0.0	unty, NM, Grid N .00E,326.97Azi)	
urvey									
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	CisD ft	ClsA deg
4900.00	1.30	350.92	4899.03	54.69	23.73	-63.84	0.17	68.11	290.3
5000.00	1.12	344.66	4999.01	56.66	25.79	-64.27	0.22	69.26	291.8
5100.00	1.00	344.62	5098.99	58.42	27.58	-64.76	0.12	70.39	293.0
5200.00	0.78	350.41	5198.98	59.88	29.09	-65.11	0.24	71.31	294.0
5300.00	0.85	356.76	5298.97	61.15	30.50	-65.26	0.11	72.04	295.0
5400.00	2.17	175.93	5398.95	60.13	29.35	-65.17	3.02	71.48	294.2
5500.00	0.57	357.82	5498.93	58.90	27.96	-65.06	2.74	70.81	293.2
5600.00	0.49	29.77	5598.93	59.53	28.83	-64.86	0.30	70.98	293.9
5700.00	0.45	45.98	5698.93	59.80	29.47	-64.37	0.14	70.80	294.6
5800.00	0.62	39.20	5798.92	60.04	30.17	-63.74		70.52	295.3
5900.00	0.98	38.30	5898.91	60.48	31.26	-62.87	0.36	70.21	296.4
6000.00	0.87	39.09	5998.90	60.98	32.52	-61.86	0.11	69.89	297.7
6100.00	0.34	110.70	6098.90	60.98	33.00	-61.11	0.83	69.45	298.3
6200.00	0.27	110.61	6198.89	60.55	32.81	-60.61	0.07	68.92	298.4
6300.00	0.43	159.04	6298.89	59.99	32.38	-60.25	0.32	68.40	298.2
6373.00	0.71	174.32	6371.89	59.32	31.68	-60.11	0.43	67.95	297.7



West(-)/East(+) [10ft/in]

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
	329	<u> 1.00 @ </u>	5381	<u> 10.60 @</u>			
4.00 @	940	<u> 1.50 @ </u>	5856	<u> </u>	9280		<u> </u>
	1169	1.50@	6332	<u>6.70</u>	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	<u>3.50</u> @	11545		

Drilling Contractor: Grey Wolf Drilling Company, LP

Marshall Hornsby

2007

Subscribed and sworn to before me on this

My Commission Expires:

11118109

10



By: harina Rubio

day of NOVEMBER

Notary Public

	88241-1980)	Energy	, Minerals & N	aturai Keso	urces De	epartm	ent		ł	Revised October		
District II											Instruction.		
PO Drawer DD, Artesia,	NM 88211-0	0719	OIL	CONSER			ISIC)N		Submit to A	ppropriate Distr		
District III					outh Pac								
1000 Rio Brazos Rd., Azte	c, NM 8741	10		Santa F	e, NM 8	87505				·			
District IV	~ 134.05										AMENDED R		
2040 South Pacheco, Sant: I. REOUI			OWAR	LE AND A	AUTHO	Q17.4	тю	N TO	TRAI	NSPOR	т		
I. KEQUI		Name and .		LE AND I	AUTHO			<u>n 10</u>	² OGRII) Number			
Devon 1	Energy Pro			, LP						5137			
	roadway, l							³ Reason	for Filir	ng Code			
	ma City, C	<u>)K 7310</u>	2-8260			<u> </u>			1	NW			
⁴ API Number	2				Pool Name					" Po	ool Code		
30-015-3558	3				Flat; Moi Property Nai						/ell Number		
Property Code				Avalon H						**	4		
II. "Surface Lo	cation								i				
··	wnship	Range	Lot.Idn	Feet from the	North/Sou	th Line	Feet	from the	East/W	/est Line	County		
<u>P</u> 7	215	27E	<u> </u>	460	So	uth		360		East	Eddy		
" Bottom Ho	le Locat	ion											
	ownship	Range	Lot.1dn	Feet from the	North/Sou		Feet	from the	1	est Line	County		
P 7	215	27E	<u> </u>	952		uth	682 ber ¹⁶ C-129 Effec		-	East	Eddy		
¹² Lse Code ¹³ Producing S	g Method Co F	de	Gas Conn	ection Date 9/2007	¹⁵ C-129 Per	mit Num	ber	C-129	Effective	e Date	C-129 Expiratio		
III. Oil and Gas		 orters		<u></u>									
¹⁸ Transporter			⁹ Transporte	er Name	20	POD		²¹ O/G	1	LSTR Location			
OGRID			and Add					0/0	O/G POD ULSTR Locati and Description				
9171			OCP Mids					G					
A MARKAN PROPERTY OF A MARKAN AND A MARKAN AND AND AND AND AND AND AND AND AND A	107 844 L		P.O. Box	50020 79710-0020			Martin 1. 2024	n					
IV. Produced W ²⁷ POD	ater				24 POD ULS			d Descrint	iou				
IV. Produced W ²³ POD	ater				24 POD ULS	TTR Loca	tion an	d Descript	ion				
²³ POD V. Well Comple	tion Dat				POD ULS	TR Loca	tion an						
²³ POD V. Well Comple ²⁵ Spud Date	tion Dat ²⁶ Ready Da	ate	27 TD		28 PBT	Ď	 T	²⁹ Perfora	utions	30	P DHC, DC, MC		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007	tion Dat	ate 2007	12	2,600'		D 90'		²⁹ Perfora [1,211-1	utions				
²³ POD V. Well Comple ²⁵ Spud Date	tion Dat ²⁶ Ready Da	ate 2007	12 ¹² Casing &		28 PBT	D 90'	 T	²⁹ Perfora 11,211-1	utions	34 Sa	P DHC, DC, MC acks Cement 275 sx CI C		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4''	tion Dat ²⁶ Ready Da	ate 2007	12 ¹² Casing & 13 3/8 9 5/8	2,600' Tubing Size 8'' J-55 '' J-55	28 PBT	D 90'	³⁹ Dept 631 2600	²⁹ Perfora 1,211-1 h Set '	utions	³⁴ Sa 3 1300 sx 9	acks Cement 375 sx Cl C Cl C; 135 sx		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2 ¹¹ 12 1/4 ¹¹ 8 3/4 ¹¹	tion Dat ²⁶ Ready Da	ate 2007	12 ¹² Casing & 13 3/8 9 5/8 7'' H	2,600' Tubing Size 8'' J-55 '' J-55 P-110	28 PBT	D 90'	³³ Dept 631 2600 1005	²⁹ Perfora 11,211-1 h Set ')' 5'	utions	³⁴ Sa 3 1300 sx 1500 sx	acks Cement 75 sx Cl C Cl C; 135 sx Cl C' 135 sx		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2" 12 1/4" 8 3/4" 6 1/8"	tion Dat ^{2*} Ready Da <u>11/1</u> 9/2	ate 2007	12 ¹² Casing & 13 3/8 9 5/8 7'' H	2,600' Tubing Size 8'' J-55 '' J-55	28 PBT	D 90'	³⁹ Dept 631 2600	²⁹ Perfora 11,211-1 h Set ')' 5'	utions	³⁴ Sa 3 1300 sx 1500 sx	acks Cement 375 sx Cl C Cl C; 135 sx		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2" 12 1/4" 8 3/4" 6 1/8" VI. Well Test Da	tion Dat ²⁶ Ready Da <u>11/19/2</u>	ate 2007 33	12 ¹² Casing & 13 3/8 9 5/8 7" 1 4 1/2"	2,600' Tubing Size 8'' J-55 '' J-55 P-110 ' P-110	²⁸ PBT 11,2	D 90'	³³ Dept 631 2600 1005 1156	²⁹ Perforz 11,211-1 h Set ')' 5' 0'	1277'	³⁴ S2 3 1300 sx (1500 sx (1	acks Cement 75 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test Date ³⁵ Date New Oil	tion Dat ²⁶ Ready Da <u>11/19/2</u>	ate 2007 32 Delivery Da	12 ¹² Casing & 13 3/8 9 5/8 7" H 4 1/2" ate	2,600' Tubing Size 8'' J-55 '' J-55 P-110	²⁸ PBT 11,2! с	D 90'	³³ Dept 631 2600 1005 1156	²⁹ Perforz 11,211-1 h Set ')' 5' 0'	utions	³⁴ Si 3 1300 sx 1500 sx 1 ressure	acks Cement 75 sx Cl C Cl C; 135 sx Cl C' 135 sx		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2" 12 1/4" 8 3/4" 6 1/8" VI. Well Test Da	tion Dat ²⁶ Ready Dz 11/19/2 ata ³⁶ Gas I	ate 2007 33 34 35 35 36 37 37 37 37 37 37 37 37 37 37	12 ¹² Casing & 13 3/8 9 5/8 7" H 4 1/2" ate	2,600' Tubing Size 8'' J-55 P-110 ' P-110 ⁵⁷ Test Date 11/19/200 ⁴⁹ Water	²⁸ PBT 11,2! с	D 90' ' Test Lee 24 44 Gr	³³ Dept 631 2600 1005 1156 ngth	²⁹ Perforz 11,211-1 h Set ')' 5' 0'	1277' 1277' 	³⁴ Si 3 1300 sx 1500 sx 1 ressure	acks Cement 775 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. Pl 0'		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test Da ³⁵ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64	tion Dat ²⁶ Ready Dz 11/19/2 ata ³⁶ Gas I 42	ate 2007 33 34 35 35 35 35 35 35 35 35 35 35	12 ¹² Casing & 13 3/8 9 5/8 7" 1 4 1/2" ate 07	2,600' Tubing Size 8'' J-55 P-110 ' P-110 ³⁷ Test Date 11/19/200 ⁴³ Water 11	²⁸ PBT 11,2 	D 90' ³ Test Ler 24	³³ Dept 631 2600 1005 1156 ngth	²⁹ Perforz 11,211-1 h Set ')' 5' 0'	1277' 1277' * Tbg. Pt 560	³⁴ Si 3 1300 sx 1500 sx 1 ressure	acks Cement 75 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. P 0'		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test D: ³⁵ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64 ⁹¹ Hereby certify that the rul	tion Dat ²⁶ Ready Dz 11/19/2 ata ³⁰ Gas I ⁴² es of the Data	ate 2007 33 34 35 35 35 35 35 35 35 35 35 35	12 ¹² Casing & 13 3/8 9 5/8 7" 1 4 1/2" ate 17 ion drvision	2,600' Tubing Size 8'' J-55 P-110 ' P-110 ³⁷ Test Date 11/19/200 ⁴³ Water 11 have been comp	²⁸ PBT 11,29 e 34 07 Diied	D 90' ' Test Lee 24 4' Gr 220	²³ Dept 631 2600 1005 1156 ngth	²⁹ Perfora 1,211-1 1,211-1 ' ' ' ' ' ' ' ' ' ' ' ' '	1277' 1277' * Tbg. Pr 560 * A	³⁴ S/ 3 1300 sx (1500 sx (1 ressure OF	acks Cement 775 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. P 0' ⁴⁵ Test M		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test Da ²⁶ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64 ³¹ Hereby certify that the rul with and that the informatio	tion Dat ²⁶ Ready Dz 11/19/2 ata ³⁰ Gas I ⁴² es of the Data	ate 2007 33 34 35 35 35 35 35 35 35 35 35 35	12 ¹² Casing & 13 3/8 9 5/8 7" 1 4 1/2" ate 17 ion drvision	2,600' Tubing Size 8'' J-55 P-110 ' P-110 ³⁷ Test Date 11/19/200 ⁴³ Water 11 have been comp	²⁸ PBT 11,29 e 34 07 Diied	D 90' ' Test Lee 24 4' Gr 220	²³ Dept 631 2600 1005 1156 ngth	²⁹ Perfora 1,211-1 1,211-1 ' ' ' ' ' ' ' ' ' ' ' ' '	1277' 1277' * Tbg. Pr 560 * A	³⁴ Si 3 1300 sx 1500 sx 1 ressure	acks Cennent 775 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. P 0' ⁴⁶ Test M		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test Da ³⁵ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64 "I hereby certify that the rul with and that the informatio knowledge and belief.	tion Dat ²⁶ Ready Dz 11/19/2 ata ³⁰ Gas I ⁴² es of the Data	ate 2007 33 34 35 35 35 35 35 35 35 35 35 35	12 ²² Casing & 13 3/8 9 5/8 7" 1 4 1/2" ate 17 ion drvision ad complete	2,600' Tubing Size 8'' J-55 9'' J-55 P-110 ' P-110 ³⁷ Test Datu 11/19/200 ⁴³ Water 11 have been comp to the best of m	28 PBT 11,21 6 34 07 34 501ied 9	D 90' ³ Test Let <u>24</u> ⁴⁴ G _i 220 O	²³ Dept 631 2600 1005 1156 ngth	²⁹ Perfora 1,211-1 1,211-1 ' ' ' ' ' ' ' ' ' ' ' ' '	1277' 1277' * Tbg. Pr 560 * A	³⁴ S/ 3 1300 sx (1500 sx (1 ressure OF	acks Cement 775 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. P 0' ⁴⁵ Test M		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test Da ³⁵ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64 ³⁶ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64 ³¹ Horeby certify that the rul with and that the informatio knowledge and belief. Signature:	tion Dat ²⁶ Ready Dz 11/19/2 ata ³⁰ Gas I ⁴² es of the D4 n given hov	ate 2007 33 Delivery Da 11/19/200 ² Oil 0 Conservative re is true fun-	12 ²² Casing & 13 3/8 9 5/8 7'' H 4 1/2'' ate 07 ion division dicomplete	2,600' Tubing Size 8'' J-55 P-110 ' P-110 ³⁷ Test Date 11/19/200 ⁴³ Water 11 have been comp	28 PBT 11,2 0 0 1 0 1 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	D 90' ³ Test Let <u>24</u> ⁴⁴ G _i 220 O	²³ Dept 631 2600 1005 1156 ngth	²⁹ Perfora 1,211-1 1,211-1 ' ' ' ' ' ' ' ' ' ' ' ' '	1277' 1277' * Tbg. Pr 560 * A	³⁴ S/ 3 1300 sx (1500 sx (1 ressure OF	acks Cennent 775 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. P 0' ⁴⁶ Test M		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test Da ²⁶ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64 ³¹ Horeby certify that the rul with and that the informatio knowledge and belief. Signature: Printed Name: Ste	tion Dat ²⁸ Ready Dz 11/19/2 ata ³⁰ Gas I ³⁰ Gas I ⁴² es of the D1 n given how physicia A.	ate 2007 31 Delivery Da 11/19/200 ² Oil 0 Conservative re is true fun- Y sasaga	12 ²² Casing & 13 3/8 9 5/8 7" 1 4 1/2" ate 17 ion division od complete	2,600' Tubing Size 8'' J-55 9'' J-55 P-110 ' P-110 ³⁷ Test Datu 11/19/200 ⁴³ Water 11 have been comp to the best of m	28 PBT 11,29 e 34 potential of the second se	D 90' ³ Test Lei 24 ⁴⁴ Gr 220 O by:	²³ Dept 631 2600 1005 1156 ngth	²⁹ Perfora 1,211-1 1,211-1 ' ' ' ' ' ' ' ' ' ' ' ' '	1277' 1277' * Tbg. Pr 560 * A	³⁴ S/ 3 1300 sx (1500 sx (1 ressure OF	acks Cennent 775 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. P 0' ⁴⁶ Test M		
²³ POD V. Well Comple ²⁵ Spud Date 4/27/2007 ³¹ Hole Size 17 1/2'' 12 1/4'' 8 3/4'' 6 1/8'' VI. Well Test Da ²⁶ Date New Oil 11/19/2007 ⁴¹ Choke Size 17/64 ³¹ Horeby certify that the rul with and that the informatio knowledge and belief. Signature: Printed Name: Ste	tion Dat ²⁸ Ready Da 11/19/2 11/19/2 ata ³⁸ Gas I ³⁸ Gas I ⁴² es of the Da n given how physnic A. Engineen	ate 2007 31 Delivery Da 11/19/200 ² Oil 0 Conservative re is true fun- Y sasaga	12 ²² Casing & 13 3/8 9 5/8 7" 1 4 1/2" ate 17 ion division od complete 1 1 1 1 1 1 1 1 1 1 1 1 1	2,600' Tubing Size 8'' J-55 9'' J-55 P-110 ' P-110 ³⁷ Test Datu 11/19/200 ⁴³ Water 11 have been comp to the best of m	28 PBT 11,2 0 0 1 0 1 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	D 90' ³ Test Lei 24 ⁴⁴ Gr 220 O by:	²³ Dept 631 2600 1005 1156 ngth	²⁹ Perfora 1,211-1 1,211-1 ' ' ' ' ' ' ' ' ' ' ' ' '	1277' 1277' * Tbg. Pr 560 * A	³⁴ S/ 3 1300 sx (1500 sx (1 ressure OF	acks Cement 775 sx Cl C Cl C; 135 sx Cl C' 135 sx 50 sx Cl C ⁴⁰ Csg. P 0' ⁴⁵ Test M		

Form 3160-4 (February 20				LINI	TED STA	TES							I			
				ARTME	NT OF TH	E INI									OMB NO	APPROVED 0. 1004-0137 1arch 31, 2007
	WELL	COM	PLETIC	ON OR R	ECOMPL	ETIO	N REP	ORT	AND L	OG			5. 1	Lease S	erial No. NM-03752	57-A
la. Type of N	Well	Öil Well		Gas Well		🔲 Oth							6. 1	f Indiar	, Allottee or	Tribe Name
b. Type of (Completion: 🔽				Deepen 🗌	🗖 Plu	g Back	🔲 Diff	f. Resvr.	,			7 (Init or	CA Agreeme	nt Name and No.
2 11															ame and Wel	
	Operator ergy Production		>											A	valon Hills	7 Fed Com 4
	20 North Broadway OKC, OK 73102	/						Phone 1 05)-552		ude area	a code	2)	9. /	4FI We	II No. 30-015-	-35583
4. Location	OKC, OK 73102 (405)-552-7802 4. Location of Weil (Report location clearly and in accordance with Federal requirements)*										10.		nd Pool or Ex			
At surface	SL: 460' FSI	L & 360'	FEL										11.	Sec T	Burton Flat;	Block and
	-			52' FSL &	682' EEI									Survey	or Area Sec	7-T21S-R27E
At top pro	d, interval report	ed below	11.3	52 I OL Q	UUZ TEE										or Parish	13. State
At total de	ABHL: 9	952' FSI	_ & 682'	FEL										E	ddy	NM
14. Date Spi	udded			D. Reache	d			ate Comp							ons (DF, RK	(B, RT, GL)*
06/07/200 18. Total De		(09/23/20		g Back T.D.:	MD		D & A		Ready to 20. Dep		ridge Plug		32' GL MD		
	TVD 11 ectric & Other Me						11,290'			22. W	-		۲ ۲	TVD	Yes (Subm	(t analyziz)
AIT_MCFL	GR, IND, BH	IC, CNL	, GR, T\	/D (Provid	ed with initia	al com	pletion)			W	as DS	T run? nal Survey	Z 1	No 🗖	Yes (Subm Yes (Subm Yes (Subm	it report)
×	and Liner Record					-	Stage Cer	menter	No.	of Sks.	&	Slurry	Vol.			
Hole Size	Size/Grade	Wt. (#/1		op (MD)	Bottom (N	(UI	Dept			of Cem		(BI		Cei	nent Top*	Amount Pulled
<u>17</u> 1/2" 12 1/4"	13 3/8" J-55 9 5/8" J-55	54.5 40#			631' 2600'					sx CI (sxCI (135 sx to res pit
8 3/4"	7" P-110	26#			10055'					sx CI	(· · · · · · · · · · · · · · · · · · ·		<u>† – – – – – – – – – – – – – – – – – – –</u>		135 sx to res pit
6 1/8"	4 1/2" P-110	11.6	#		11560'				150) sx Cl	С			тос	@ 7,667'	· · · · ·
24. Tubing	Record	I			<u> </u>				L					I		<u> </u>
Size	Depth Set (N	4D) P	acker Dep		Size		Depth Set	(MD)		Depth (N		Siz	ze	De	oth Set (MD)	Packer Depth (MD)
2 3/8" 25. Producir	11,200'		10,41	0.		26	5. Perf	oration I		@ 11,4 [.]	15			L		
	Formation			Гор	Bottom			orated In			5	Size		Holes		Perf. Status
A) Morrov B) Morrov			<u> </u>	436	11517	<u> </u>		436-11						6		BP @ 11,400'
C) Morrov				354 211	<u>11406</u> 11277			354-11/ 211-11:						2		BP @ 11,325' site Plug @ 11,180'
D) Atoka			+	440	10456			440-104				<u> </u>		0		Producing
	acture, Treatmen	it, Cemen	t Squeeze	, etc.							. 6.1	4-4-1-1				
	Depth Interval 440-10456		Acidiz	e w/3000	gal 15% HC	L acid	+ 90 ba		Amount	and Typ	eorn	laterial		-		
					<u> </u>											
	on - Interval A		·													
Date First Produced	Test Date Hour Teste		st oduction	Oil BBL	Gas MCF	Wate BBL		Oil Grav Corr. Al		Gas Grav			luction N wing	lethod		
12/28/07	12/28/07 2	4		6	1435	6							-			
Size	Tbg. Press. Csg. Flwg. Press		Hr. te	Oil BBL	Gas MCF	Water BBL		Gas/Oil Ratio			l Stati duci					
17/64"	SI 1150 0															

			-			[
28a. Produ	ction - Inter	val 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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
	ISI									

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

28b. Proc	luction - Inte	erval C		······						
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr, API	Gravity		
Choke Size	Tbg. Press Flwg. SI	. Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
	uction - Inte			1011						
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke	Tbg. Press	. Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio			
29. Dispo	sition of Ga	s (Solid, u	sed for fuel, ve	ented, etc.	,					

31. Formation (Log) Markers

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.

					Тор
Formation	Тор	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
				Delaware Delaware Ss	2600' 2730'
				Bone Springs Lm 2nd Bone Springs Lm	4862' 6478'
				3rd Bone Springs Ss Wolfcamp	8410' 8790'
				Penn Strawn	9186' 10106'
				Atoka Morrow	10350' 10912'
				Lower Morrow Barnett	11340' 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	k in the appropriate boxes:		
Electrical/Mechanical Logs (1 full set req'd.)	Geologic Report	DST Report	Directional Survey
34. I hereby certify that the thregoing and attached information Name (please print) Stephanie A. Ysasaga Signature	Tit		
Title 18 U.S.C. Section 601 and Title 47 U.S.C. Section 1212, false, fictitious or fraudment statements or representations as to			lly to make to any department or agency of the United States any
(Continued on page 3)			(Form 3160-4, page 2)

Form 3160-5 (February 2005)		UNITED STATE PARTMENT OF THE EAU OF LAND MAN		FORM APPROVED OMB No. 1004-0137 Expires: March 31, 2007 5. Lease Scrial No. NM-0375257-A				
Do not i	use this f		DRTS ON WELLS to drill or to re-enter an APD) for such proposa		6. If Indian, Allottee or			
	SUBMI	TIN TRIPLICATE – Other	instructions on page 2.		7. If Unit of CA/Agree	ment, Name and/or No.		
I. Type of Well	🗹 Gas W	/ell 🗌 Other			7 Fed Com 4			
2. Name of Operator Devon Energy Production	on Co., LP				9. API Well No. 30-015-3	35583		
3a. Address 20 North Broadway OKC, OK 73102			3b. Phone No. <i>(include area co</i> (405)-552-7802	ode)	 Field and Pool or Exploratory Area Burton Flat; Atoka 			
4. Location of Well <i>(Foot</i> SESE 460' FSL & 360' FEL Sec 7-T21S-R27E Lot P	uge, Sec., T.,.	R., M., or Survey Description)		11. Country or Parish, Eddy C	State County, NM		
	12. CHEC	K THE APPROPRIATE BO	X(ES) TO INDICATE NATUR	E OF NOTIC	CE, REPORT OR OTHE	ER DATA		
TYPE OF SUBMIS	SSION		ТҮ	PE OF ACT	ION	·····		
Notice of Intent		Acidize	Deepen Fracture Treat		uction (Start/Resume) amation	Water Shut-Off Well Integrity		
Subsequent Report		Casing Repair	New Construction Plug and Abandon		mplete porarily Abandon	Other Completion Report		
Final Abandonment	Notice	Convert to Injection	Plug Back	Wate	r Disposal			
the proposal is to deep Attach the Bond unde following completion	pen direction r which the v of the involv pleted. Final	ally or recomplete horizontal work will be performed or pro- ed operations. If the operati Abandonment Notices must	ly, give subsurface locations and ovide the Bond No. on file with I	measured ar BLM/BIA, R	nd true vertical depths of tequired subsequent rep- letion in a new interval,	and approximate duration thereof. If f all pertinent markers and zones. orts must be filed within 30 days a Form 3160-4 must be filed once completed and the operator has		

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' tb

14. Thereby 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 FEDI	RAL OR STATE OFFICE USE					
Approved by						
l	Title					
Conditions of approval, if any, are attached. Approval of this notice does not warrant or that the applicant holds legal or equitable title to those rights in the subject lease which we entitle the applicant to conduct operations thereon.						
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any prictitious or fraudulent statements or representations as to any matter within its jurisdiction of the statement of the st	rson knowingly and willfully to make to any department or agency of the United States ar	y false,				

DISTRICT I 1825 N. French Dr., Hobbs, NM 88240 DISTRICT II 1301 W. Grond Avenue, Artesis, NM 88210 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

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DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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State of New Mexico Energy, Minerals and Natural Resources Department

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Form C-102 Revised October 12, 2005

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

□ AMENDED REPORT

TT

WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name										
A	Pool Name RTON FLAT:	AT; ATOKA								
Propert	7 Code		1		Property Nan	ne			umber	
				AVALO	N HILLS "7'	' FED COM		4		
OGRID					Operator Nam			Eleva 321		
613	/	<u> </u>	DEVOI	V ENER		ION COMPANY	P		1	
				······	Surface Loc		,			
UL or lot No	ļ	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
P	7	21 S	27 E	l	460	SOUTH	360	EAST	EDD	
		·		·····		erent From Sur				
UL or lot No	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the 682	East/West line	County	
P Dedicated Ac	<u> 7</u>	215	27E		952	SOUTH	EAST	EDD		
320	res Joint	or Infill Co	nsolidation	code ur	der No.					
NO AL	LOWABLE					INTIL ALL INTER APPROVED BY		EN CONSOLID	ATED	
					II IIAS DISEN					
							OPERATO	R CERTIFICA	TION	
					;		I hereby ce	rtify that the inform	nation	
					1		the best of my	n is true and comp knowledge and belie	f. and that	
					1		interest or unle	n either owns a wor ased mineral interes	t in the	
					1		location mursues	the proposed bottom at to a contract with	1 071	
					1		or to a voluntar	i mineral or working y pooling apreement ing yrder heretafore	or a entered by	
					i 		the division		therea by	
						_				
					1		ILA'A	L//.03	/20/07	
					1		Signature	1/	Date	
					[STEPHA	NÆ A. YSA	SAGA	
							Pointed Nam	-/-/		
				Ì	1					
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District I PO Box 1980 District II	Box 1980, Hobbs, NM 88241-1980 Energy, Minerals & Natural Resources Department Revised October 18,									Form C-104 Revised October 18, 1994 Instructions on back			
PO Drawer	DD. Artes	ia. NM	88211-0	719	OIL	CONSER	VATIO	N DIV	ISIC	ON		Submit to	Appropriate District Office
District III	DD, mes		00211-0	112	OIL		outh Pac					Submit to .	5 Copies
1000 Rio Br: District IV	azos Rd., A	Aztec, I	NM 8741	10		Santa I	Fe, NM	87505					AMENDED REPORT
2040 South F												ب	
I	REQ					LE AND	AUTHO	RIZA	TIO				<u> </u>
	Devo			Name and	Address Company	/ I P				_		Number 137	
			0.	Suite 15	1 2	,				³ Reason			
			• ·	K 7310				Ĺ				<u>vw</u>	
⁴ API Number ⁵ Pool Name										4	Pool Code		
	30-015-35583 Burton Flat; Atoka 'Property Code * Property Name * Well Num								Well Number				
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Printed Name Title:		<u> </u>		ing Tecl			Approval	Date:		. <u></u>			
Date:	1/9/20			Plone:		552-7802							
4B If this is a	a change of	operat	or fill in t	h¢ OGRID	number an	d name of the p	previous operation	itor					
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