

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.

5 Lease Serial No
NM-0375257-A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

JAN 23 2008

2 Name of Operator
Devon Energy Production Co., LP

OCD-ARTESIA

3a. Address
20 North Broadway
OKC, OK 73102

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

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

8 Well Name and No
Avalon Hills 7 Fed Com 4

9 API Well No.
30-015-35583

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
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Completion Report</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recompleate 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 recompleation 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 bl 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 bl 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 bl 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 perms, 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

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

17-1/2" hole
13-3/8", 54.5#, J-55, ST&C, @ 630'
 Cmt'd w/900 CI C & H sx to surf
 TOC @ 30' Temp survey

12-1/4" hole
9-5/8", 40#, J55, LT&C, @ 2600'
 Cmt'd w/1300 CI H sx to surf

7" DV tool @ 6013'

TOC @ 7667' (CBL-10/25/07)

8 3/4" hole
7", 26#, P-110HC, LT&C, @ 10055'
 Cmt'd w/1595 sx CI H & CI C
 Calc TOC @ 2400'

100 Sx CI H cmt plug 10188'-10853'

6 1/8" open hole @ 10055-11622' →

Drill Pipe TOF @ 10,853' →

2-3/8" Production tubing. EOT @ 11200' (11/10/07)

<u>DIMS Deviation Survey</u>	
1000'	@ 1 28°
2000'	@ 1 34°
3000'	@ 65°
4000'	@ 1 4°
5000'	@ 1 12°
6000'	@ 87°
6825'	@ 4 5°
7142'	@ 11 10° , 7137' TVD
7269'	@ 12 2°
7523'	@ 11 7°
8029'	@ 11 8°
8520'	@ 11 3°
9026'	@ 10 5° , 8986' TVD
9407'	@ 7 8°
9724'	@ 5 4°
9994'	@ 2 6°
10055'	@ 1 0°
10620'	@ 2 1°
10715'	@ 3 5°
10874'	@ 3 3°
11096'	@ 4 0° , 11046' TVD

Tag/Ream cement plug @ 10,188'

Time drill /ST around fish @ 10,619'

Morrow (11/2/07)

11211'- 11217'; 11273'-11277'

11/3/07 acidized 11211-277, 11/7/07-fraced 11211-217'

CIBP @ 11325' W/35' cmt (11/2/07)

Morrow (10/31/07)

11354'-11358'; 11400-11402; 11404'-11406

11/1/07 acidized 11354-11406 w/3000 gals 7 5%

CIBP @ 11400' (11/2/07) RBP @ 11415' (10/31/07)

Morrow (10/26/07)

11436'-11439; 11504-11508; 11512-11517

10/30/07 acidized 11436-11517 w/1500 gals 7 5%

4-1/2", 11.6#, P110H, LTC, @ 11,557'

Cmt'd w/150 Sx

TD @ 11,560'

TD @ 11,622'



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

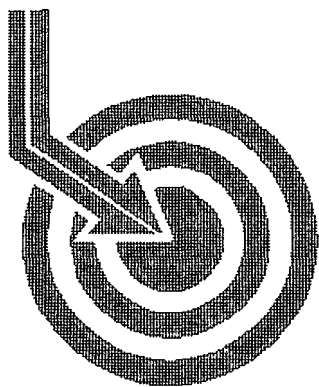
Mr. Jennings,

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

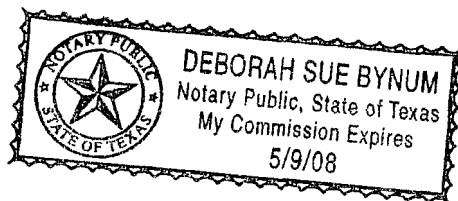
This survey is correct to the best of my knowledge
and is supported by actual field data.

Shantanu.....Company Representative

Notorized this date 23rd of August, 2007.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





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	Start Date: 07/26/2007
KSRG 0'-6373'	
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 International Survey Report

Company: DEVON ENERGY

Field: Burton Flat

Site: Eddy County, NM

Well: Avalon Hills 7 Federal Com #4

Wellpath: VH - Job #32K0707634

Date: 08/22/2007

Time: 21:53:09

Page: 2

Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North

Vertical (TVD) Reference: SITE 0.0

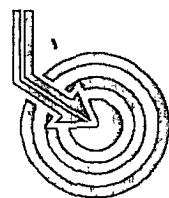
Section (VS) Reference: Well (0.00N,0.00E,326.97Azi)

Survey Calculation Method: Minimum Curvature

Db: Sybase

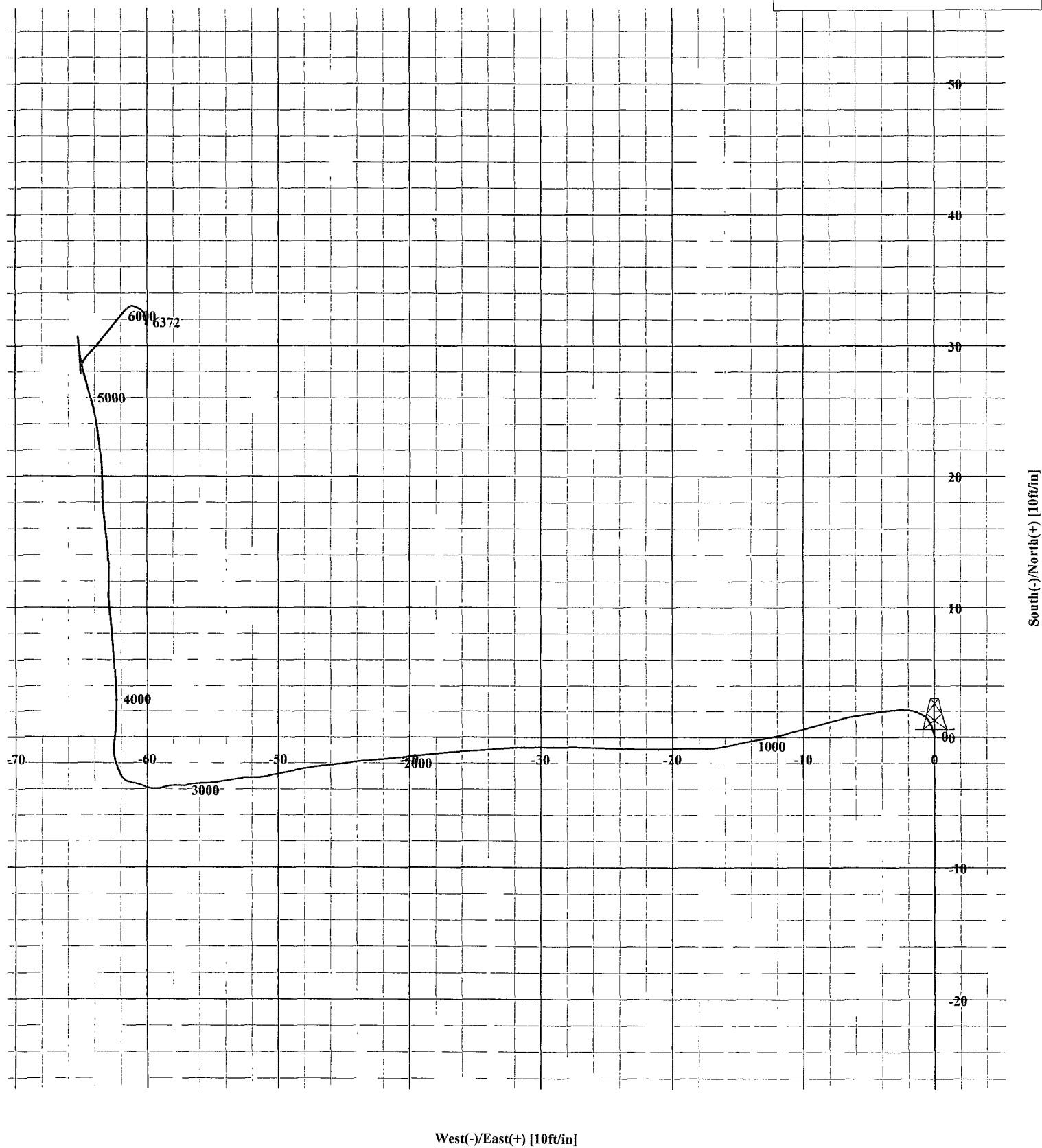
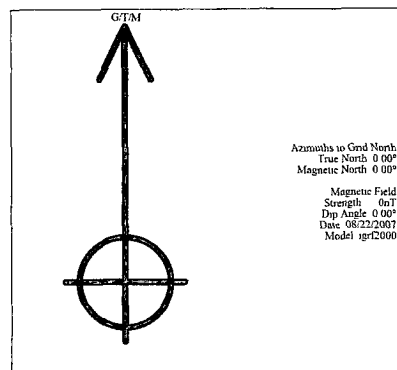
Survey

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
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

