



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

OCD-ARTESIA

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

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

2 Name of Operator
Devon Energy Production Co., LP

3a Address
20 North Broadway
OKC, OK 73102

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

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

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

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>Revise Directional</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>Survey</u>
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 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 Co., LP respectfully advises the directional survey has been revised. The significant change is deepening the KOP to 6700' from 4950' and the change in inclination from 7.25 to 12.9 degrees.

See attached directional survey

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Stephanie A. Ysasaga

Title Sr. Staff Engineering Technician

Signature

Date 06/07/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved by

Title

Date

JUL 5 2007

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

WESLEY W. INGRAM

PETROLEUM ENGINEER

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)



Planned Wellpath Report

Plan #1
Page 1 of 4



REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	#4_SHL
Area	Eddy County, NM	Well	#4
Field	Burton Flat: Morrow	Wellbore	#4_PWB
Facility	Avalon Hills "7" Fed Com #4		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect™ 1.2
North Reference	Grid	User	GomeOscR
Scale	0.99991	Report Generated	06/05/07 at 17:25:57
Wellbore last revised	06/05/07	Database/Source file	WA_Midland/#4_PWB

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]
Slot Location	0.00	0.00	575742.30	541525.73	32 29 19.200N	104 13 18.300W
Facility Reference Pt			575742.30	541525.73	32 29 19.200N	104 13 18.300W
Field Reference Pt			575742.30	541525.73	32 29 19.200N	104 13 18.300W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on #4_SHL (RT) to Facility Vertical Datum	0.00 feet
Horizontal Reference Pt	Slot	Rig on #4_SHL (RT) to GRN. ELEV.	3211.00 feet
Vertical Reference Pt	Rig on #4_SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Rig on #4_SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	GRN. ELEV.	Section Azimuth	326.98°



Planned Wellpath Report

Plan #1
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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	#4_SHL
Area	Eddy County, NM	Well	#4
Field	Burton Flat: Morrow	Wellbore	#4 PWB
Facility	Avalon Hills "7" Fed Com #4		

WELLPATH DATA (69 stations) † = interpolated/extrapolated station

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Comment
0.00	0.000	326.976	0.00	0.00	0.00	0.00	0.00	Tie On	
540.00†	0.000	326.976	540.00	0.00	0.00	0.00	0.00		Yates
910.00†	0.000	326.976	910.00	0.00	0.00	0.00	0.00		Capitan
2570.00†	0.000	326.976	2570.00	0.00	0.00	0.00	0.00		Delaware
4895.00†	0.000	326.976	4895.00	0.00	0.00	0.00	0.00		Bone Spring
6395.00†	0.000	326.976	6395.00	0.00	0.00	0.00	0.00		First Bone Spring Sand
6700.00	0.000	326.976	6700.00	0.00	0.00	0.00	0.00	KOP	
6800.00†	2.500	326.976	6799.97	2.18	1.83	-1.19	2.50		
6900.00†	5.000	326.976	6899.75	8.72	7.31	-4.75	2.50		
7000.00†	7.500	326.976	6999.14	19.61	16.44	-10.69	2.50		
7081.76†	9.544	326.976	7080.00	31.72	26.60	-17.29	2.50		Second Bone Spring Sand
7100.00†	10.000	326.976	7097.97	34.82	29.19	-18.98	2.50		
7200.00†	12.500	326.976	7196.04	54.33	45.55	-29.61	2.50		
7214.63	12.866	326.976	7210.32	57.54	48.24	-31.36	2.50	EOB	
7300.00†	12.866	326.976	7293.54	76.55	64.18	-41.72	0.00		
7400.00†	12.866	326.976	7391.03	98.81	82.85	-53.85	0.00		
7500.00†	12.866	326.976	7488.52	121.08	101.52	-65.99	0.00		
7600.00†	12.866	326.976	7586.01	143.35	120.19	-78.12	0.00		
7700.00†	12.866	326.976	7683.50	165.61	138.86	-90.26	0.00		
7800.00†	12.866	326.976	7780.99	187.88	157.53	-102.39	0.00		
7900.00†	12.866	326.976	7878.48	210.15	176.20	-114.53	0.00		
8000.00†	12.866	326.976	7975.97	232.41	194.87	-126.66	0.00		
8100.00†	12.866	326.976	8073.46	254.68	213.54	-138.80	0.00		
8200.00†	12.866	326.976	8170.95	276.95	232.21	-150.93	0.00		
8300.00†	12.866	326.976	8268.44	299.22	250.88	-163.07	0.00		
8400.00†	12.866	326.976	8365.93	321.48	269.54	-175.20	0.00		
8429.82†	12.866	326.976	8395.00	328.12	275.11	-178.82	0.00		Third Bone Spring Sand
8500.00†	12.866	326.976	8463.42	343.75	288.21	-187.34	0.00		
8600.00†	12.866	326.976	8560.91	366.02	306.88	-199.47	0.00		
8700.00†	12.866	326.976	8658.39	388.28	325.55	-211.61	0.00		
8800.00†	12.866	326.976	8755.88	410.55	344.22	-223.74	0.00		
8900.00†	12.866	326.976	8853.37	432.82	362.89	-235.88	0.00		
8968.34†	12.866	326.976	8920.00	448.03	375.65	-244.17	0.00		Wolfcamp
9000.00†	12.866	326.976	8950.86	455.08	381.56	-248.02	0.00		
9100.00†	12.866	326.976	9048.35	477.35	400.23	-260.15	0.00		
9200.00†	12.866	326.976	9145.84	499.62	418.90	-272.29	0.00		
9203.72	12.866	326.976	9149.47	500.45	419.60	-272.74	0.00	EOH/Start Drop	
9300.00†	11.422	326.976	9243.59	520.70	436.58	-283.78	1.50		
9400.00†	9.922	326.976	9341.86	539.22	452.10	-293.87	1.50		
9500.00†	8.422	326.976	9440.58	555.16	465.47	-302.55	1.50		



Planned Wellpath Report

Plan #1
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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	#4_SHL
Area	Eddy County, NM	Well	#4
Field	Burton Flat: Morrow	Wellbore	#4_PWB
Facility	Avalon Hills "7" Fed Com #4		

WELLPATH DATA (69 stations) † = interpolated/extrapolated station

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Comment
9600.00†	6.922	326.976	9539.68	568.50	476.66	-309.83	1.50		
9700.00†	5.422	326.976	9639.10	579.26	485.67	-315.69	1.50		
9800.00†	3.922	326.976	9738.76	587.40	492.50	-320.13	1.50		
9831.30†	3.452	326.976	9770.00	589.41	494.19	-321.22	1.50		Penn
9900.00†	2.422	326.976	9838.61	592.93	497.14	-323.14	1.50		
10000.00†	0.922	326.976	9938.56	595.85	499.59	-324.73	1.50		
10061.44	0.000	326.976	10000.00†	596.34	500.00	-325.00	1.50	EOD	
10100.00†	0.000	0.000	10038.56	596.34	500.00	-325.00	0.00		
10141.44†	0.000	326.976	10080.00	596.34	500.00	-325.00	0.00		Strawn
10200.00†	0.000	0.000	10138.56	596.34	500.00	-325.00	0.00		
10300.00†	0.000	0.000	10238.56	596.34	500.00	-325.00	0.00		
10400.00†	0.000	0.000	10338.56	596.34	500.00	-325.00	0.00		
10461.44†	0.000	326.976	10400.00	596.34	500.00	-325.00	0.00		Atoka
10500.00†	0.000	0.000	10438.56	596.34	500.00	-325.00	0.00		
10600.00†	0.000	0.000	10538.56	596.34	500.00	-325.00	0.00		
10700.00†	0.000	0.000	10638.56	596.34	500.00	-325.00	0.00		
10800.00†	0.000	0.000	10738.56	596.34	500.00	-325.00	0.00		
10900.00†	0.000	0.000	10838.56	596.34	500.00	-325.00	0.00		
11000.00†	0.000	0.000	10938.56	596.34	500.00	-325.00	0.00		
11076.44†	0.000	326.976	11015.00	596.34	500.00	-325.00	0.00		Morrow/Clastics
11100.00†	0.000	0.000	11038.56	596.34	500.00	-325.00	0.00		
11200.00†	0.000	0.000	11138.56	596.34	500.00	-325.00	0.00		
11300.00†	0.000	0.000	11238.56	596.34	500.00	-325.00	0.00		
11361.44†	0.000	326.976	11300.00	596.34	500.00	-325.00	0.00		Lower Morrow
11400.00†	0.000	0.000	11338.56	596.34	500.00	-325.00	0.00		
11500.00†	0.000	0.000	11438.56	596.34	500.00	-325.00	0.00		
11546.44†	0.000	326.976	11485.00	596.34	500.00	-325.00	0.00		Barnett
11600.00†	0.000	0.000	11538.56	596.34	500.00	-325.00	0.00		
11646.44	0.000	326.976	11585.00	596.34	500.00	-325.00	0.00	#4_BHL	

HOLE & CASING SECTIONS Ref Wellbore: #4_PWB Ref Wellpath: Plan #1

String/Diameter	Start MD [feet]	End MD [feet]	Interval [feet]	Start TVD [feet]	End TVD [feet]	Start N/S [feet]	Start E/W [feet]	End N/S [feet]	End E/W [feet]
17.5in Open Hole	0.00	600.00	600.00	0.00	600.00	0.00	0.00	0.00	0.00
13.375in Casing Surface	0.00	600.00	600.00	0.00	600.00	0.00	0.00	0.00	0.00
12.25in Open Hole	600.00	2600.00	2000.00	600.00	2600.00	0.00	0.00	0.00	0.00
9.625in Casing	600.00	2600.00	2000.00	600.00	2600.00	0.00	0.00	0.00	0.00
8.75in Open Hole	2600.00	10061.44	7461.44	2600.00	10000.00	0.00	0.00	500.00	-325.00
7in Casing	2600.00	10061.44	7461.44	2600.00	10000.00	0.00	0.00	500.00	-325.00
6.125in Open Hole	9700.00	11646.44	1946.44	9639.10	11585.00	485.67	-315.69	500.00	-325.00
4.5in Liner	9700.00	11646.44	1946.44	9639.10	11585.00	485.67	-315.69	500.00	-325.00



Planned Wellpath Report

Plan #1
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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	#4_SHL
Area	Eddy County, NM	Well	#4
Field	Burton Flat: Morrow	Wellbore	#4_PWB
Facility	Avalon Hills "7" Fed Com #4		

TARGETS

Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
1) #4 Target	10061.44	10000.00	500.00	-325.00	575417.33	542025.68	32 29 24.151N	104 13 22.088W	point
#4 Target Box		10080.00	500.00	-325.00	575417.33	542025.68	32 29 24.151N	104 13 22.088W	square
#4 BHL		11585.00	500.00	-325.00	575417.33	542025.68	32 29 24.151N	104 13 22.088W	point

PROPOSED WELLPATH REPORT (CSV version)

Prepared by Baker Hughes INTEQ
Software System WellArchitect™1.2

REFERENCE WELLPATH IDENTIFICATION

Operator Devon Energy
Area Eddy County, NM
Field Burton Flat: Morrow
Facility Avalon Hills 7" Fed Com #4"
Slot #4_SHL
Well #4
Wellbore #4 PWB
Wellpath Plan #1
Sidetrack (none)

REPORT SETUP INFORMATION

Projection NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet
North Refe Grid
Scale 0.99991
Wellbore L 6/5/2007
Software S WellArchitect™
User GomeOscR
Report Gei 06/05/07 at 17 26:48
DataBase:/ WA_Midland/ev01.xml

WELLPAT	Local North	Local East	Grid East	Grid North	Latitude	Longitude
	[ft]	[ft]	[ft]	[ft]	[°]	[°]
Slot Locati	0	0	575742.3	541525.7	32 29 19.2	104 13 18 300W
Facility Ref			575742.3	541525.7	32 29 19.2	104 13 18.300W
Field Refer			575742.3	541525.7	32 29 19.2	104 13 18.300W

WELLPATH DATUM

Calculation Minimum curvature
Horizontal Slot
Vertical Re Rig on #4_SHL (RT)
MD Refere Rig on #4_SHL (RT)
Field Vertic GRN. ELEV.
Rig on #4_ 0.00 feet
Rig on #4_ 3211.00 feet
Facility Ver 0.00 feet
Section Or 0.00 feet
Section Or 0.00 feet
Section Az 326.98°

WELLPATH DATA	Wellbore #4 PWB	Wellpath Plan #1	† = interpolated/extrapolated station							
MD feet	Inclination deg	Azimuth deg	TVD feet	Vert Sect feet	North feet	East feet	DLS deg/100ft	Design Cor	Path Comr	Tgt#
0	0	326.976	0	0	0	0	0	0	Tie On	
† 100	0	0	100	0	0	0	0	0		
† 200	0	0	200	0	0	0	0	0		
† 300	0	0	300	0	0	0	0	0		
† 400	0	0	400	0	0	0	0	0		
† 500	0	0	500	0	0	0	0	0		
† 540	0	326.976	540	0	0	0	0	0	Yates	
† 600	0	0	600	0	0	0	0	0		
† 700	0	0	700	0	0	0	0	0		
† 800	0	0	800	0	0	0	0	0		
† 900	0	0	900	0	0	0	0	0		
† 910	0	326.976	910	0	0	0	0	0	Capitan	
† 1000	0	0	1000	0	0	0	0	0		
† 1100	0	0	1100	0	0	0	0	0		
† 1200	0	0	1200	0	0	0	0	0		
† 1300	0	0	1300	0	0	0	0	0		
† 1400	0	0	1400	0	0	0	0	0		
† 1500	0	0	1500	0	0	0	0	0		
† 1600	0	0	1600	0	0	0	0	0		
† 1700	0	0	1700	0	0	0	0	0		
† 1800	0	0	1800	0	0	0	0	0		

†	1900	0	0	1900	0	0	0	0	
†	2000	0	0	2000	0	0	0	0	
†	2100	0	0	2100	0	0	0	0	
†	2200	0	0	2200	0	0	0	0	
†	2300	0	0	2300	0	0	0	0	
†	2400	0	0	2400	0	0	0	0	
†	2500	0	0	2500	0	0	0	0	
†	2570	0	326.976	2570	0	0	0	0	Delaware
†	2600	0	0	2600	0	0	0	0	
†	2700	0	0	2700	0	0	0	0	
†	2800	0	0	2800	0	0	0	0	
†	2900	0	0	2900	0	0	0	0	
†	3000	0	0	3000	0	0	0	0	
†	3100	0	0	3100	0	0	0	0	
†	3200	0	0	3200	0	0	0	0	
†	3300	0	0	3300	0	0	0	0	
†	3400	0	0	3400	0	0	0	0	
†	3500	0	0	3500	0	0	0	0	
†	3600	0	0	3600	0	0	0	0	
†	3700	0	0	3700	0	0	0	0	
†	3800	0	0	3800	0	0	0	0	
†	3900	0	0	3900	0	0	0	0	
†	4000	0	0	4000	0	0	0	0	
†	4100	0	0	4100	0	0	0	0	
†	4200	0	0	4200	0	0	0	0	
†	4300	0	0	4300	0	0	0	0	
†	4400	0	0	4400	0	0	0	0	
†	4500	0	0	4500	0	0	0	0	
†	4600	0	0	4600	0	0	0	0	
†	4700	0	0	4700	0	0	0	0	
†	4800	0	0	4800	0	0	0	0	
†	4895	0	326.976	4895	0	0	0	0	Bone Spring
†	4900	0	0	4900	0	0	0	0	
†	5000	0	0	5000	0	0	0	0	
†	5100	0	0	5100	0	0	0	0	
†	5200	0	0	5200	0	0	0	0	
†	5300	0	0	5300	0	0	0	0	
†	5400	0	0	5400	0	0	0	0	
†	5500	0	0	5500	0	0	0	0	
†	5600	0	0	5600	0	0	0	0	
†	5700	0	0	5700	0	0	0	0	
†	5800	0	0	5800	0	0	0	0	
†	5900	0	0	5900	0	0	0	0	
†	6000	0	0	6000	0	0	0	0	
†	6100	0	0	6100	0	0	0	0	
†	6200	0	0	6200	0	0	0	0	
†	6300	0	0	6300	0	0	0	0	
†	6395	0	326.976	6395	0	0	0	0	First Bone Spring Sand
†	6400	0	0	6400	0	0	0	0	
†	6500	0	0	6500	0	0	0	0	
†	6600	0	0	6600	0	0	0	0	
	6700	0	326.976	6700	0	0	0	0	0 KOP
†	6800	2.5	326.976	6799.97	2.18	1.83	-1.19	2.5	
†	6900	5	326.976	6899.75	8.72	7.31	-4.75	2.5	
†	7000	7.5	326.976	6999.14	19.61	16.44	-10.69	2.5	
†	7081.76	9.544	326.976	7080	31.72	26.6	-17.29	2.5	Second Bone Spring Sand
†	7100	10	326.976	7097.97	34.82	29.19	-18.98	2.5	
†	7200	12.5	326.976	7196.04	54.33	45.55	-29.61	2.5	
	7214.63	12.866	326.976	7210.32	57.54	48.24	-31.36	2.5	EOB
†	7300	12.866	326.976	7293.54	76.55	64.18	-41.72	0	
†	7400	12.866	326.976	7391.03	98.81	82.85	-53.85	0	
†	7500	12.866	326.976	7488.52	121.08	101.52	-65.99	0	
†	7600	12.866	326.976	7586.01	143.35	120.19	-78.12	0	
†	7700	12.866	326.976	7683.5	165.61	138.86	-90.26	0	
†	7800	12.866	326.976	7780.99	187.88	157.53	-102.39	0	
†	7900	12.866	326.976	7878.48	210.15	176.2	-114.53	0	
†	8000	12.866	326.976	7975.97	232.41	194.87	-126.66	0	
†	8100	12.866	326.976	8073.46	254.68	213.54	-138.8	0	
†	8200	12.866	326.976	8170.95	276.95	232.21	-150.93	0	

†	8300	12.866	326.976	8268.44	299.22	250.88	-163.07	0	
†	8400	12.866	326.976	8365.93	321.48	269.54	-175.2	0	
†	8429.82	12.866	326.976	8395	328.12	275.11	-178.82	0	Third Bone Spring Sand
†	8500	12.866	326.976	8463.42	343.75	288.21	-187.34	0	
†	8600	12.866	326.976	8560.91	366.02	306.88	-199.47	0	
†	8700	12.866	326.976	8658.39	388.28	325.55	-211.61	0	
†	8800	12.866	326.976	8755.88	410.55	344.22	-223.74	0	
†	8900	12.866	326.976	8853.37	432.82	362.89	-235.88	0	
†	8968.34	12.866	326.976	8920	448.03	375.65	-244.17	0	Wolfcamp
†	9000	12.866	326.976	8950.86	455.08	381.56	-248.02	0	
†	9100	12.866	326.976	9048.35	477.35	400.23	-260.15	0	
†	9200	12.866	326.976	9145.84	499.62	418.9	-272.29	0	
	9203.72	12.866	326.976	9149.47	500.45	419.6	-272.74	0	EOH/Start Drop
†	9300	11.422	326.976	9243.59	520.7	436.58	-283.78	1.5	
†	9400	9.922	326.976	9341.86	539.22	452.1	-293.87	1.5	
†	9500	8.422	326.976	9440.58	555.16	465.47	-302.55	1.5	
†	9600	6.922	326.976	9539.68	568.5	476.66	-309.83	1.5	
†	9700	5.422	326.976	9639.1	579.26	485.67	-315.69	1.5	
†	9800	3.922	326.976	9738.76	587.4	492.5	-320.13	1.5	
†	9831.3	3.452	326.976	9770	589.41	494.19	-321.22	1.5	Penn
†	9900	2.422	326.976	9838.61	592.93	497.14	-323.14	1.5	
†	10000	0.922	326.976	9938.56	595.85	499.59	-324.73	1.5	
	10061.44	0	326.976	10000	596.34	500	-325	1.5	EOD 1
†	10100	0	0	10038.56	596.34	500	-325	0	
†	10141.44	0	326.976	10080	596.34	500	-325	0	Strawn
†	10200	0	0	10138.56	596.34	500	-325	0	
†	10300	0	0	10238.56	596.34	500	-325	0	
†	10400	0	0	10338.56	596.34	500	-325	0	
†	10461.44	0	326.976	10400	596.34	500	-325	0	Atoka
†	10500	0	0	10438.56	596.34	500	-325	0	
†	10600	0	0	10538.56	596.34	500	-325	0	
†	10700	0	0	10638.56	596.34	500	-325	0	
†	10800	0	0	10738.56	596.34	500	-325	0	
†	10900	0	0	10838.56	596.34	500	-325	0	
†	11000	0	0	10938.56	596.34	500	-325	0	
†	11076.44	0	326.976	11015	596.34	500	-325	0	Morrow Clastics
†	11100	0	0	11038.56	596.34	500	-325	0	
†	11200	0	0	11138.56	596.34	500	-325	0	
†	11300	0	0	11238.56	596.34	500	-325	0	
†	11361.44	0	326.976	11300	596.34	500	-325	0	Lower Morrow
†	11400	0	0	11338.56	596.34	500	-325	0	
†	11500	0	0	11438.56	596.34	500	-325	0	
†	11546.44	0	326.976	11485	596.34	500	-325	0	Barnett
†	11600	0	0	11538.56	596.34	500	-325	0	
	11646.44	0	326.976	11585	596.34	500	-325	0	#4 BHL

HOLE AND CASING SECTIONS Ref Wellbore: #4 PWB Ref Wellpath: Plan #1

String/Dian	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	End N/S	Start E/W	End E/W
	feet	feet	feet	feet	feet				
17.5in Ope	0	600	600	0	600	0	0	0	0
13.375in C	0	600	600	0	600	0	0	0	0
12.25in Op	600	2600	2000	600	2600	0	0	0	0
9.625in Ca	600	2600	2000	600	2600	0	0	0	0
8.75in Ope	2600	10061.44	7461.44	2600	10000	0	0	500	-325
7in Casing	2600	10061.44	7461.44	2600	10000	0	0	500	-325
6.125in Op	9700	11646.44	1946.44	9639.1	11585	485.67	-315.69	500	-325
4.5in Liner	9700	11646.44	1946.44	9639.1	11585	485.67	-315.69	500	-325

T A R G E T S

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape	Comment	Design Comments
	feet	feet	feet	feet	us survey	us survey	1 DegMinSec	1 DegMinSec			
(1) #4 Targ	10061.44	10000	500	-325	575417.3	542025.7	32 29 24.1	104 13 22.1	point		
#4 Target Box		10080	500	-325	575417.3	542025.7	32 29 24.1	104 13 22.1	square		
#4 BHL		11585	500	-325	575417.3	542025.7	32 29 24.1	104 13 22.1	point		