

OCD-ARTESIA

~~BLM ROSWELL FIELD OFFICE~~Form 3160-4
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
EXPIRES: NOVEMBER 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM-9984							
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., ☐ Other		6. If Indian, Allottee or Tribe Name							
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		7. Unit or CA Agreement Name and No.							
3. Address 20 North Broadway, Ste 1500 Oklahoma City, OK 73102-8260		8. Lease Name and Well No. Boyd's Canyon 14 Federal Com 1							
3a. Phone No. (include area code) 405-552-7802		9. API Well No. 30-015-35290							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface SL: 220' FSL & 760' FEL At top prod. Interval reported below PP: 725' FSL & 710' FEL At total Depth ABHL: 725' FSL & 710' FEL AUG 13 2007 OCD-ARTESIA		10. Field and Pool, or Exploratory Brushy Canyon							
11. Sec, T., R., M., on Block and Survey or Area 14 22S 25E		12. County or Parish 13. State Eddy New Mexico							
14. Date Spudded 1/28/2007		15. Date T.D. Reached 3/4/2007							
16. Date Completed 3/6/2007 ☐ D & A ☒ Ready to Prod		17. Elevations (DR, RKB, RT, GL)* 3445'							
18. Total Depth: MD 11,367' TVD		19. Plug Back T.D.: M 9,715' T							
20. Depth Bridge Plug Set: M T		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)							
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)		23. Casing and Liner Record (Report all strings set in well)							
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" H-40	48#	0	454'		1011 sx CI C		0	
12 1/4"	9 5/8" J-55	40#	0	2024'		1095 sx C&H, 18 sx to pit		0	
8 3/4"	5 1/2" P-110	17#	0	11367'		2985 sx CI C & H		TOC @ 730'	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 7/8"	9,315'	9301'							
25. Producing Intervals									
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
Morrow		10720	10478	10720-10478			112	CIBP @ 10,590'	
Morrow		10598	10620	10598-10620			88	CIBP @ 10,590'	
Strawn		9763	9874	9763-9874			104	CIBP @ 9,750'	
Brushy Canyon		9340	9350	9340-9350			40	Producing	
Brushy Canyon		9370	9382	9340-9350			32	Producing	
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
10720-10478		Acidize w/3000 gal 7.5% meth+200 bbl slrs. Frac w/60,000# 18/40 Ultra-Prop sn, 452 SCF N-2, 107 tons CO2.							
10598-10620		Acidize w/2500 gals 7.5% HCL acid + 500 gals methanol + 500 ball slrs.							
9763-9874		Acidize w/5000 gals 15% HCL acid + 200 balls slrs.							
9340-9350		Acidize w/2000 gals of 15% HCL acid.							
9370-9382		Acidize w/1500 gals of 15% HCL acid w/96,000# SCF Nitrogen.							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/18/2007	6/16/2007	24	→	0	95	0			
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	0	95	0	#DIV/0!		
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

AUG 9 2007

JERRY FANT
PETROLEUM GEOLOGIST

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

(See instructions and spaces for additional data on reverse side)

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

Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Delaware	2085'
				Bone Springs	4558'
				2nd Bone Springs	5714'
				3rd Bone Springs	6330'
				Wolfcamp	8242'
				Penn	9002'
				Strawn	9597'
				Atoka	9930'
				Morrow Clastics	10532'
				Lower Morrow	10926'
				Mississippian	11202'

Additional remarks (include plugging procedure).

03/19/07 - 07/18/07:

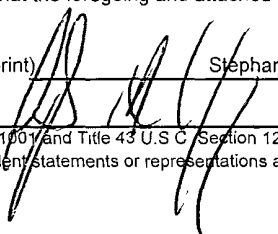
MIRU. NU/BOP. TIH w/bit to dv tl @ 8005'. Tst csg to 1500# - ok. RU swivel drill out dv tl - tst csg to 1500# - ok. R/D swivel & C/O to PBTD @ 11,323'. Displace w/2% KCL, TOH w/tbg. Swab. TOH w/tbg - NU/BOP. Swab. RIH & perf @ 10,720' - 10,478'; (4SPF) 112 holes. Set pkr @ 10,680'. RD/WL - TIH w/ON/OFF tl & tbg - NU/DN/BOP. J-UP to pkr - NU tree. RU kill trk ld tbg & blw tbg disk. Swab. Acidize mrrw @ 10,720' - 10,748' w/3000 gals of 7.5% methanol + 200 bll slrs. Swab. Bled dn well - ld tbg w/2% KCL - NU/DN/Tree - NU/BOP. Rls pkr & TOH w/tbg. Frac mrrw w/60,000# of 18/40 Ultra-Prop sn, 452 SCF of N-2 & 107 tons CO2 dwn csg. Open well, flw bck. RU WL. RIH w/4.62" GR to top sn @ 11,096'. RIH & perf @ 10,598' - 10,620'; (4SPF) 88 holes. Open well, bled dn. RU kill trk, ld csg w/clean 2% KCL & kill well. TOH w/WL & perf gun. RIH & set 5.5" composite frac plug @ 10,680' - RD WL. TIH w/ON/OFF tl & tbg TIH & set pkr @ 10,550' - ltch up to pkr. NU/DN/BOP - NU Tree. Ld tst csg to 1500# - ok. Swab. Acidize mrrw @ 10,598' - 10,560' w/2,500 gals of 7.5% HCL acid w/500 gals of methanol + 500 ball slrs dn tbg. Swab. Run temp & trace srvc across perfs @

10598' - 620'. RD S/L, swab. Rls pkr, reset @ 10,640'. Swab. Bled dwn csg & tbg. Set CIBP @ 10,590' + 35' cmt on top. New PBTD @ 10,550'. RIH perf Strawn @ 9763-9764', 9844-9852', 9867'-9874'; (4SPF) 104 shots. RD WL, TIH & set w/on/off tl @ 9703' w/306 jts in hole. Bled tbg dwn. Swab. Acidize 9763' - 9874' w/5000 gals of 15% HCL. Open well on full choke, flw bck. Swab. RD Swab - NU/BOP. Rls pkr & TOH w/jts. Perf Canyon @ 9340' - 9350'; (4SPF) 40 holes. TIH w/pkr & RBP. Set RBP @ 9420'. Set pkr @ 9301' NU/DN/BOP - NU tree. Swab. Acidize Canyon 9340' - 9350' w/2000 gals of 15% nefe hcl. Open well on full choke Ld tbg w/2% KCL. NU/DN/Tree - NU/BOP. Rls pkr mv dwnhl. Rls RBP & TOH w/tbg. LD pkr & RBP. Set CIBP @ 9750' + 35' cmt on top. New PBTD @ 9715'. RIH perf Canyon Lime @ 9370-9374, 9378-9382; (4SPF) 32 holes. Set pkr @ 9301'. Swab. Acidize w/1500 gal 15% HCL acid w/96,000 SCF Nitrogen Open well, flw bck. Bld well dwn, swab. RD/MO/WSU.

Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other

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

Name (Please print) Stephanie A. YsasagaTitle Sr. Staff Engineering TechnicianSignature Date 8/1/2007

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.



McVAY DRILLING COMPANY
P.O. Box 2450
Hobbs, New Mexico 88241
(505) 397-3311
FAX. 39-DRILL

Well Name and Number: Boyds Canyon 14 Fed Com 1

Location: Sec 14, T22S, R25E, Eddy County, NM

Operator: Devon

Drilling Contractor: McVay Drilling Company



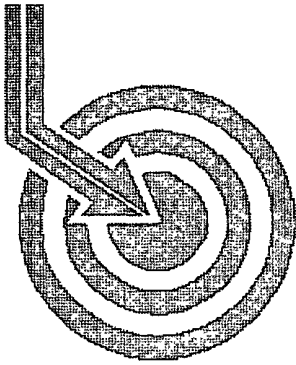
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth	
1	853	14.5	6555
3/4	1446	17.8	6741
1/2	1946	17.6	6833
1	2499	17.3	7052
1 1/4	2972	5.5	8054
1 1/2	3450	14.3	7553
1 3/4	3950	4.9	8085
1 3/4	4400	1.6	9240
1	4900	.9	8428
1	5680	.9	8460
11	5869	1.2	8522
15	5933	1	8554
8.8	6089	2	9033
11.2	6338	2	9526
		1 1/2	10023
		1 1/2	10430
		1/2	10928
		1 1/4	11367

Drilling Contractor: McVay Drilling Company

By: H.H. Crank Jr.
Subscribed and sworn to before me this 9th day of March, 2007

Tina Fleming
Notary Public
My Commission Expires: 8-16-09
Lea County, New Mexico



Scientific Drilling

DEVON ENERGY

Field: Happy Valley
Site: Eddy County, NM
Well: Boyds Canyon 14 Fed Com #1
Wellpath: VH - Job #32K0207125
Survey: 02/09/07

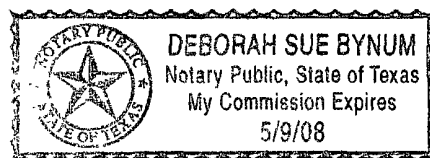
This survey is correct to the best of my knowledge
and is supported by actual field data.

Deborah Sue Bynum.....Company Representative

Notarized this date 14th of March, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: DEVON ENERGY
Field: Happy Valley
Site: Eddy County, NM
Well: Boyds Canyon 14 Fed Com #1
Wellpath: VH - Job #32K0207125

Date: 03/13/2007 Time: 14:16:52 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,5.83Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 02/09/07 Start Date: 02/09/2007
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro Engineer: Foster w/GeoGyro
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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.23	195.41	100.00	-0.20	-0.19	-0.05	0.23	0.20	195.41
200.00	0.22	118.82	200.00	-0.47	-0.48	0.06	0.28	0.48	172.69
300.00	0.29	66.89	300.00	-0.42	-0.47	0.46	0.23	0.66	135.63
400.00	0.37	160.37	400.00	-0.59	-0.68	0.80	0.48	1.05	130.13
500.00	0.38	150.20	500.00	-1.15	-1.27	1.08	0.07	1.66	139.69
600.00	0.57	141.21	599.99	-1.78	-1.94	1.55	0.20	2.49	141.38
700.00	0.64	149.92	699.99	-2.58	-2.82	2.14	0.12	3.54	142.70
800.00	0.59	163.95	799.98	-3.51	-3.79	2.57	0.16	4.58	145.92
900.00	0.68	176.23	899.97	-4.58	-4.88	2.75	0.16	5.60	150.61
1000.00	0.80	183.17	999.97	-5.86	-6.17	2.75	0.15	6.75	155.98
1100.00	0.82	179.33	1099.96	-7.27	-7.58	2.72	0.06	8.06	160.27
1200.00	0.64	201.28	1199.95	-8.52	-8.82	2.52	0.33	9.17	164.03
1300.00	0.36	207.87	1299.94	-9.35	-9.62	2.17	0.29	9.86	167.26
1400.00	0.48	203.55	1399.94	-10.04	-10.28	1.86	0.12	10.45	169.74
1500.00	0.35	210.12	1499.94	-10.71	-10.93	1.54	0.14	11.03	171.98
1600.00	0.46	217.60	1599.94	-11.33	-11.51	1.14	0.12	11.57	174.33
1700.00	0.39	243.24	1699.93	-11.86	-11.98	0.59	0.20	11.99	177.17
1800.00	0.48	243.91	1799.93	-12.26	-12.32	-0.09	0.09	12.32	180.40
1900.00	0.45	258.09	1899.93	-12.60	-12.58	-0.85	0.12	12.61	183.85
2000.00	0.30	281.13	1999.93	-12.70	-12.61	-1.49	0.21	12.70	186.73
2100.00	0.41	293.48	2099.92	-12.57	-12.42	-2.07	0.13	12.59	189.48
2200.00	0.62	274.36	2199.92	-12.47	-12.24	-2.94	0.27	12.58	193.52
2300.00	0.61	274.97	2299.91	-12.49	-12.15	-4.01	0.01	12.79	198.27
2400.00	0.59	284.19	2399.91	-12.43	-11.98	-5.04	0.10	12.99	202.82
2500.00	0.87	283.88	2499.90	-12.25	-11.67	-6.28	0.28	13.25	208.28
2600.00	0.92	276.91	2599.89	-12.12	-11.39	-7.81	0.12	13.81	214.44
2700.00	0.83	279.33	2699.88	-12.06	-11.18	-9.32	0.10	14.55	219.83
2800.00	0.96	285.58	2799.86	-11.88	-10.83	-10.84	0.16	15.33	225.03
2900.00	0.98	280.77	2899.85	-11.66	-10.45	-12.49	0.08	16.28	230.09
3000.00	0.98	287.01	2999.83	-11.42	-10.04	-14.15	0.11	17.35	234.64
3100.00	1.09	279.86	3099.82	-11.19	-9.63	-15.90	0.17	18.59	238.82
3200.00	0.90	283.37	3199.80	-11.02	-9.28	-17.60	0.20	19.90	242.20
3300.00	0.99	291.09	3299.79	-10.69	-8.79	-19.18	0.16	21.09	245.38
3400.00	1.07	289.33	3399.77	-10.25	-8.17	-20.86	0.09	22.40	248.62
3500.00	1.10	279.05	3499.76	-9.97	-7.71	-22.69	0.20	23.96	251.24
3600.00	1.02	281.31	3599.74	-9.83	-7.38	-24.51	0.09	25.60	253.24
3700.00	1.01	283.94	3699.72	-9.63	-7.00	-26.24	0.05	27.16	255.07
3800.00	1.17	279.79	3799.71	-9.43	-6.61	-28.10	0.18	28.87	256.76
3900.00	1.06	280.91	3899.69	-9.28	-6.26	-30.02	0.11	30.66	258.22
4000.00	1.12	288.82	3999.67	-8.98	-5.77	-31.85	0.16	32.37	259.73
4100.00	1.26	284.49	4099.65	-8.59	-5.18	-33.84	0.17	34.23	261.30
4200.00	1.11	282.32	4199.63	-8.32	-4.70	-35.85	0.16	36.16	262.53
4300.00	1.08	286.32	4299.61	-8.04	-4.23	-37.70	0.08	37.94	263.60
4400.00	1.11	291.30	4399.59	-7.61	-3.61	-39.51	0.10	39.67	264.78
4500.00	1.08	289.27	4499.57	-7.13	-2.95	-41.30	0.05	41.40	265.92
4600.00	1.05	287.70	4599.55	-6.72	-2.36	-43.06	0.04	43.13	266.86
4700.00	1.07	289.57	4699.54	-6.31	-1.77	-44.81	0.04	44.85	267.74
4800.00	1.14	287.28	4799.52	-5.89	-1.16	-46.64	0.08	46.66	268.58



Scientific Drilling International Survey Report

Company: DEVON ENERGY

Field: Happy Valley

Site: Eddy County, NM

Well: Boyds Canyon 14 Fed Com #1

Wellpath: VH - Job #32K0207125

Date: 03/13/2007

Time: 14:16:52

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,5.83Azi)

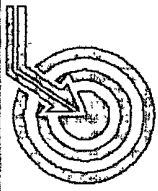
Survey Calculation Method:

Minimum Curvature

Db: Sybase

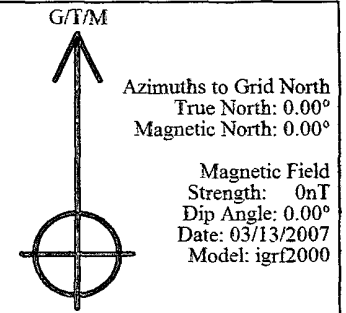
Survey

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	1.02	271.76	4899.50	-5.76	-0.84	-48.48	0.31	48.49	269.01
5000.00	0.78	272.10	4999.49	-5.86	-0.78	-50.05	0.24	50.06	269.10
5100.00	0.72	272.17	5099.48	-5.95	-0.74	-51.36	0.06	51.37	269.18
5200.00	0.60	274.52	5199.47	-6.00	-0.67	-52.51	0.12	52.52	269.27
5300.00	0.60	248.59	5299.47	-6.25	-0.82	-53.52	0.27	53.53	269.12
5400.00	0.64	238.09	5399.46	-6.83	-1.31	-54.48	0.12	54.50	268.63
5500.00	0.75	242.20	5499.45	-7.54	-1.91	-55.54	0.12	55.57	268.03
5600.00	0.57	253.87	5599.45	-8.09	-2.35	-56.59	0.22	56.64	267.62
5624.00	0.47	244.30	5623.45	-8.18	-2.43	-56.80	0.55	56.85	267.55



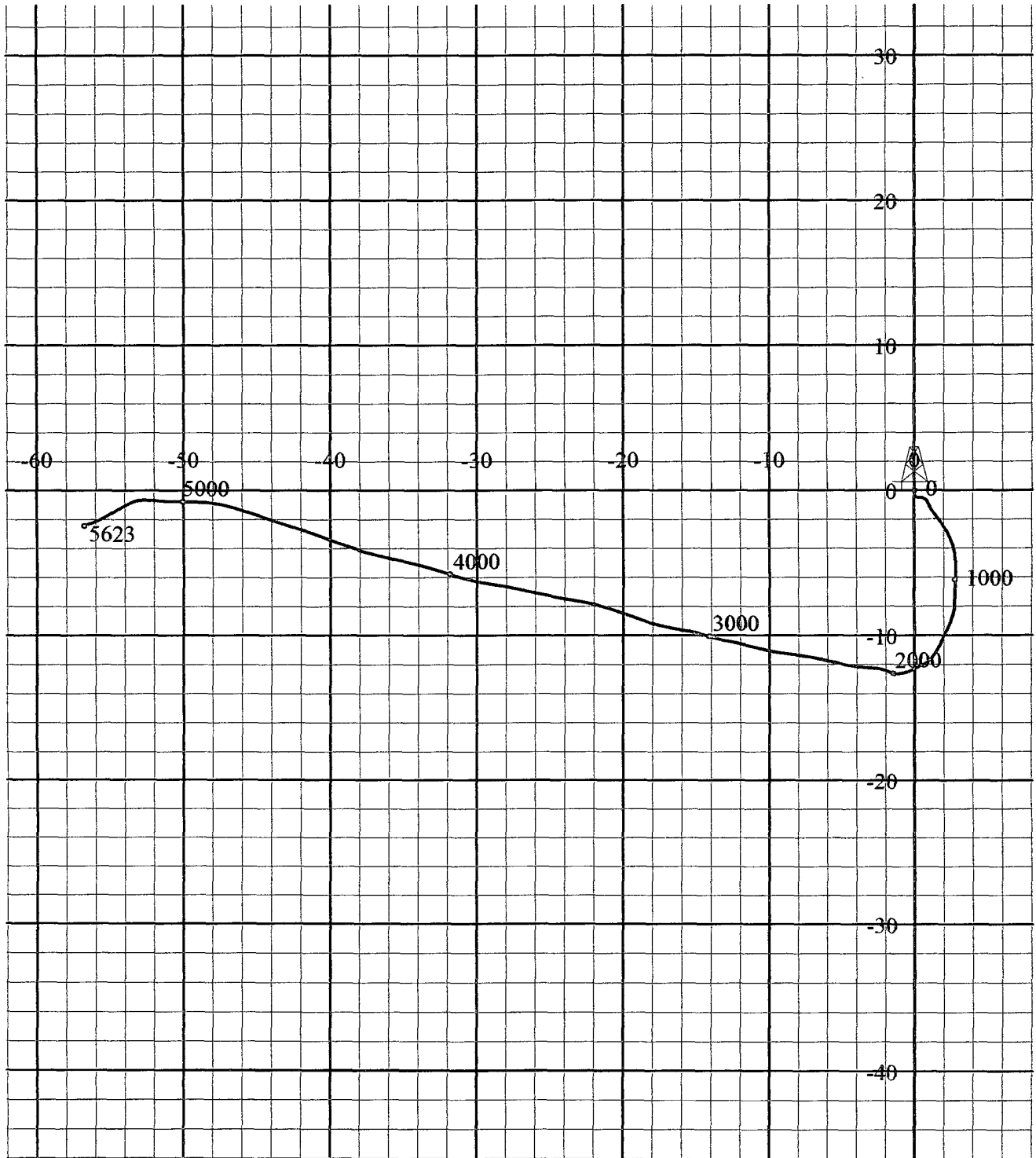
**Scientific
Drilling**

Field: Happy Valley
Site: Eddy County, NM
Well: Boyds Canyon 14 Fed Com #1
Wellpath: VH - Job #32K0207125
Survey: 02/09/07



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

South(-)/North(+) [10ft/in]





Actual Wellpath Report

#1 AWP
Page 1 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	Com #1
Area	Eddy County, NM	Well	Boyd Canyon "14" Federal Com #1
Field	Section 14 T22S R25E (Boyd Canyon)	Wellbore	#1 AWB
Facility	Boyd Canyon "14"		

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	0.999909	Report Generated	02/21/07 at 08:00:10
Wellbore last revised	02/10/07	Database/Source file	WA_Midland/#1_AWB

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	536192.64	503188.59	32 23 00.000N	104 21 00.000W
Facility Reference Pt			536192.64	503188.59	32 23 00.000N	104 21 00.000W
Field Reference Pt			536192.64	503188.59	32 23 00.000N	104 21 00.000W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on Com #1 (RT) to Facility Vertical Datum	0.00 feet
Horizontal Reference Pt	Slot	Rig on Com #1 (RT) to Mean Sea Level	3445.00 feet
Vertical Reference Pt	Rig on Com #1 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Rig on Com #1 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	5.83°



Actual Wellpath Report

#1 AWP
Page 2 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	Com #1
Area	Eddy County, NM	Well	Boyd Canyon "14" Federal Com #1
Field	Section 14 T22S R25E (Boyd Canyon)	Wellbore	#1 AWP
Facility	Boyd Canyon "14"		

WELLPATH DATA (147 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [%/100ft]
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00
100.00	0.230	195.410	100.00	-0.20	-0.19	-0.05	0.23
200.00	0.220	118.820	200.00	-0.47	-0.48	0.06	0.28
300.00	0.290	66.890	300.00	-0.42	-0.47	0.46	0.23
400.00	0.370	160.370	400.00	-0.59	-0.68	0.80	0.48
500.00	0.380	150.200	500.00	-1.15	-1.27	1.08	0.07
600.00	0.570	141.210	599.99	-1.78	-1.94	1.55	0.20
700.00	0.640	149.920	699.99	-2.58	-2.82	2.14	0.12
800.00	0.590	163.590	799.98	-3.51	-3.79	2.57	0.15
900.00	0.680	176.230	899.97	-4.57	-4.88	2.75	0.17
1000.00	0.800	183.170	999.97	-5.86	-6.17	2.76	0.15
1100.00	0.820	179.330	1099.96	-7.26	-7.58	2.72	0.06
1200.00	0.640	201.280	1199.95	-8.51	-8.82	2.53	0.33
1300.00	0.360	207.870	1299.94	-9.34	-9.61	2.18	0.29
1400.00	0.480	203.550	1399.94	-10.03	-10.28	1.87	0.12
1500.00	0.350	210.120	1499.94	-10.71	-10.92	1.55	0.14
1600.00	0.460	217.600	1599.94	-11.33	-11.51	1.15	0.12
1700.00	0.390	243.240	1699.93	-11.86	-11.98	0.60	0.20
1800.00	0.480	243.910	1799.93	-12.26	-12.32	-0.08	0.09
1900.00	0.450	258.090	1899.93	-12.60	-12.58	-0.84	0.12
2000.00	0.300	281.130	1999.93	-12.70	-12.61	-1.48	0.21
2100.00	0.410	293.480	2099.92	-12.56	-12.42	-2.07	0.13
2200.00	0.620	274.360	2199.92	-12.47	-12.23	-2.94	0.27
2300.00	0.610	274.970	2299.91	-12.49	-12.15	-4.00	0.01
2400.00	0.590	284.190	2399.91	-12.42	-11.98	-5.03	0.10
2500.00	0.870	283.880	2499.90	-12.24	-11.67	-6.27	0.28
2600.00	0.920	276.910	2599.89	-12.12	-11.39	-7.80	0.12
2700.00	0.830	279.830	2699.88	-12.06	-11.17	-9.32	0.10
2800.00	0.960	285.580	2799.86	-11.86	-10.82	-10.84	0.16
2900.00	0.980	280.770	2899.85	-11.65	-10.43	-12.48	0.08
3000.00	0.980	287.010	2999.83	-11.41	-10.02	-14.14	0.11
3100.00	1.090	279.860	3099.82	-11.18	-9.61	-15.90	0.17
3200.00	0.900	283.370	3199.80	-11.01	-9.27	-17.60	0.20
3300.00	0.990	291.090	3299.79	-10.67	-8.77	-19.17	0.16
3400.00	1.070	289.330	3399.77	-10.23	-8.15	-20.85	0.09
3500.00	1.100	279.050	3499.76	-9.96	-7.69	-22.68	0.20
3600.00	1.020	281.310	3599.74	-9.82	-7.37	-24.50	0.09
3700.00	1.010	283.940	3699.72	-9.61	-6.98	-26.23	0.05
3800.00	1.170	279.790	3799.71	-9.41	-6.60	-28.09	0.18
3900.00	1.060	280.910	3899.69	-9.26	-6.25	-30.01	0.11



Actual Wellpath Report

#1 AWP
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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	Com #1
Area	Eddy County, NM	Well	Boyd Canyon "14" Federal Com #1
Field	Section 14 T22S R25E (Boyd Canyon)	Wellbore	#1 AWP
Facility	Boyd Canyon "14"		

WELLPATH DATA (147 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
4000.00	1.120	288.820	3999.67	-8.96	-5.76	-31.84	0.16
4100.00	1.260	284.490	4099.65	-8.57	-5.17	-33.83	0.17
4200.00	1.110	282.320	4199.63	-8.30	-4.68	-35.84	0.16
4300.00	1.080	286.320	4299.61	-8.02	-4.21	-37.69	0.08
4400.00	1.110	291.300	4399.59	-7.59	-3.60	-39.50	0.10
4500.00	1.080	289.270	4499.57	-7.11	-2.93	-41.29	0.05
4600.00	1.050	287.700	4599.55	-6.70	-2.34	-43.05	0.04
4700.00	1.070	289.570	4699.54	-6.29	-1.75	-44.81	0.04
4800.00	1.140	287.280	4799.52	-5.87	-1.14	-46.64	0.08
4900.00	1.020	271.760	4899.50	-5.74	-0.82	-48.48	0.31
5000.00	0.780	272.100	4999.49	-5.85	-0.77	-50.05	0.24
5100.00	0.720	272.170	5099.48	-5.93	-0.72	-51.35	0.06
5200.00	0.600	274.520	5199.47	-5.98	-0.66	-52.50	0.12
5300.00	0.600	248.590	5299.47	-6.23	-0.81	-53.51	0.27
5400.00	0.640	238.090	5399.46	-6.82	-1.29	-54.47	0.12
5500.00	0.750	242.200	5499.45	-7.52	-1.89	-55.53	0.12
5600.00	0.570	253.870	5599.45	-8.07	-2.34	-56.58	0.22
5624.00	0.470	244.300	5623.45	-8.16	-2.41	-56.79	0.55
5680.00	0.600	211.400	5679.44	-8.55	-2.76	-57.15	0.59
5711.00	0.800	325.300	5710.44	-8.53	-2.72	-57.35	3.80
5743.00	1.900	355.200	5742.43	-7.84	-2.01	-57.53	3.97
5775.00	3.200	356.900	5774.40	-6.44	-0.59	-57.62	4.07
5806.00	3.900	1.200	5805.34	-4.53	1.33	-57.64	2.41
5837.00	4.600	7.100	5836.26	-2.24	3.62	-57.47	2.66
5869.00	5.100	11.000	5868.14	0.46	6.29	-57.04	1.87
5901.00	5.700	13.500	5900.00	3.45	9.23	-56.40	2.01
5933.00	6.200	14.900	5931.83	6.74	12.44	-55.58	1.63
5963.00	6.600	14.200	5961.64	10.04	15.68	-54.74	1.36
5995.00	7.100	14.900	5993.41	13.81	19.37	-53.78	1.58
6026.00	7.600	14.200	6024.16	17.73	23.21	-52.79	1.64
6058.00	8.200	12.100	6055.85	22.10	27.49	-51.79	2.08
6089.00	8.800	12.400	6086.51	26.65	31.97	-50.82	1.94
6120.00	9.300	11.400	6117.13	31.50	36.74	-49.81	1.69
6152.00	9.800	12.800	6148.68	36.77	41.93	-48.70	1.72
6183.00	9.900	14.500	6179.23	42.03	47.09	-47.44	0.99
6214.00	9.900	15.600	6209.76	47.29	52.23	-46.06	0.61
6245.00	9.800	15.200	6240.31	52.52	57.35	-44.65	0.39
6276.00	10.200	14.200	6270.84	57.84	62.55	-43.29	1.41
6307.00	10.600	12.400	6301.33	63.38	68.00	-42.00	1.66
6338.00	11.200	12.800	6331.77	69.20	73.72	-40.72	1.95



Actual Wellpath Report

#1 AWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	Com #1
Area	Eddy County, NM	Well	Boyd Canyon "14" Federal Com #1
Field	Section 14 T22S R25E (Boyd Canyon)	Wellbore	#1 AWP
Facility	Boyd Canyon "14"		

WELLPATH DATA (147 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [%/100ft]
6369.00	11.500	12.800	6362.16	75.26	79.67	-39.37	0.97
6400.00	11.600	12.400	6392.53	81.42	85.73	-38.02	0.41
6431.00	11.700	12.100	6422.89	87.64	91.84	-36.69	0.38
6462.00	11.500	12.400	6453.26	93.84	97.94	-35.37	0.67
6493.00	12.800	11.000	6483.57	100.33	104.32	-34.05	4.30
6524.00	13.800	10.700	6513.73	107.43	111.33	-32.71	3.23
6555.00	14.500	10.000	6543.79	114.99	118.78	-31.35	2.32
6586.00	15.000	9.600	6573.77	122.86	126.56	-30.00	1.65
6616.00	15.700	9.600	6602.70	130.79	134.39	-28.68	2.33
6648.00	16.300	9.200	6633.46	139.59	143.09	-27.24	1.91
6679.00	16.700	9.600	6663.19	148.38	151.78	-25.80	1.34
6710.00	17.200	10.700	6692.84	157.39	160.67	-24.21	1.92
6741.00	17.800	11.400	6722.40	166.67	169.82	-22.42	2.05
6771.00	18.600	11.700	6750.90	175.99	179.00	-20.54	2.68
6802.00	18.500	12.100	6780.29	185.80	188.65	-18.51	0.52
6833.00	17.600	11.700	6809.77	195.35	198.05	-16.53	2.93
6864.00	16.900	12.100	6839.37	204.49	207.05	-14.63	2.29
6895.00	17.100	11.700	6869.02	213.51	215.92	-12.76	0.75
6927.00	17.900	12.100	6899.54	223.07	225.33	-10.78	2.53
6989.00	18.200	12.100	6958.48	242.17	244.12	-6.75	0.48
7020.00	18.200	13.100	6987.93	251.78	253.56	-4.64	1.01
7052.00	17.300	13.100	7018.41	261.46	263.07	-2.43	2.81
7083.00	16.300	12.100	7048.09	270.36	271.81	-0.47	3.36
7113.00	16.600	12.100	7076.86	278.80	280.12	1.31	1.00
7145.00	17.300	12.400	7107.47	288.07	289.23	3.29	2.20
7176.00	17.600	12.800	7137.04	297.30	298.30	5.32	1.04
7208.00	17.200	14.200	7167.58	306.79	307.61	7.55	1.81
7240.00	16.500	15.600	7198.20	315.95	316.57	9.93	2.53
7272.00	15.900	16.600	7228.93	324.73	325.15	12.41	2.07
7304.00	15.700	15.900	7259.72	333.30	333.51	14.84	0.86
7335.00	15.700	15.200	7289.57	341.57	341.60	17.09	0.61
7366.00	16.000	13.500	7319.39	349.94	349.80	19.19	1.78
7397.00	16.300	12.800	7349.17	358.49	358.19	21.15	1.15
7427.00	16.300	13.500	7377.96	366.84	366.39	23.07	0.65
7459.00	15.600	14.500	7408.73	375.55	374.93	25.19	2.35
7490.00	15.000	15.600	7438.63	383.62	382.83	27.32	2.15
7521.00	14.500	16.300	7468.61	391.39	390.41	29.48	1.71
7553.00	14.300	17.000	7499.60	399.21	398.04	31.76	0.83
7585.00	14.300	17.000	7530.61	406.96	405.60	34.07	0.00
7616.00	14.300	16.600	7560.65	414.48	412.93	36.29	0.32



Actual Wellpath Report

#1 AWP
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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	Com #1
Area	Eddy County, NM	Well	Boyd Canyon "14" Federal Com #1
Field	Section 14 T22S R25E (Boyd Canyon)	Wellbore	#1 AWP
Facility	Boyd Canyon "14"		

WELLPATH DATA (147 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
7647.00	13.800	15.600	7590.72	421.88	420.16	38.38	1.79
7679.00	13.200	14.200	7621.84	429.26	427.38	40.30	2.13
7710.00	12.700	12.700	7652.05	436.14	434.13	41.92	1.94
7740.00	12.100	10.300	7681.35	442.55	440.44	43.20	2.64
7772.00	11.700	7.100	7712.66	449.14	446.96	44.20	2.41
7804.00	11.400	5.000	7744.01	455.55	453.33	44.88	1.61
7836.00	10.600	2.900	7775.43	461.65	459.42	45.30	2.80
7868.00	9.600	3.300	7806.93	467.25	465.03	45.61	3.13
7900.00	8.800	4.000	7838.52	472.37	470.13	45.93	2.52
7930.00	7.900	4.000	7868.20	476.72	474.48	46.24	3.00
7961.00	7.200	7.100	7898.93	480.79	478.53	46.62	2.61
7992.00	6.600	7.100	7929.71	484.51	482.23	47.08	1.94
8023.00	6.100	9.600	7960.52	487.94	485.62	47.58	1.84
8054.00	5.500	11.000	7991.36	491.06	488.70	48.14	1.99
8085.00	4.900	11.000	8022.23	493.86	491.46	48.67	1.94
8115.00	4.400	11.400	8052.13	496.28	493.84	49.15	1.67
8147.00	3.700	16.600	8084.05	498.52	496.04	49.68	2.47
8178.00	3.000	16.600	8115.00	500.30	497.77	50.20	2.26
8209.00	2.100	11.400	8145.97	501.66	499.11	50.54	2.99
8240.00	1.600	358.300	8176.95	502.65	500.10	50.64	2.10
8271.00	1.100	342.900	8207.94	503.36	500.81	50.54	1.98
8334.00	0.500	352.000	8270.94	504.18	501.66	50.33	0.97
8428.00	0.900	349.900	8364.93	505.29	502.80	50.14	0.43
8460.00	0.900	33.700	8396.93	505.75	503.25	50.24	2.10
8491.00	1.200	324.000	8427.92	506.21	503.72	50.18	3.95
8522.00	1.200	319.700	8458.91	506.68	504.23	49.78	0.29
8553.00	1.000	326.000	8489.91	507.11	504.70	49.42	0.75

TARGETS

Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
Target 1		8250.00	490.00	50.00	536242.64	503678.54	32 23 04.849N	104 20 59.418W	point

WELLPATH COMPOSITION Ref Wellbore: #1 AWP Ref Wellpath: #1 AWP

Start MD [feet]	End MD [feet]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	5624.00	Generic gyro - northseeking (Standard)	Gyro	#1 AWP
5624.00	8553.00	NaviTrak (Standard)	MWD	#1 AWP

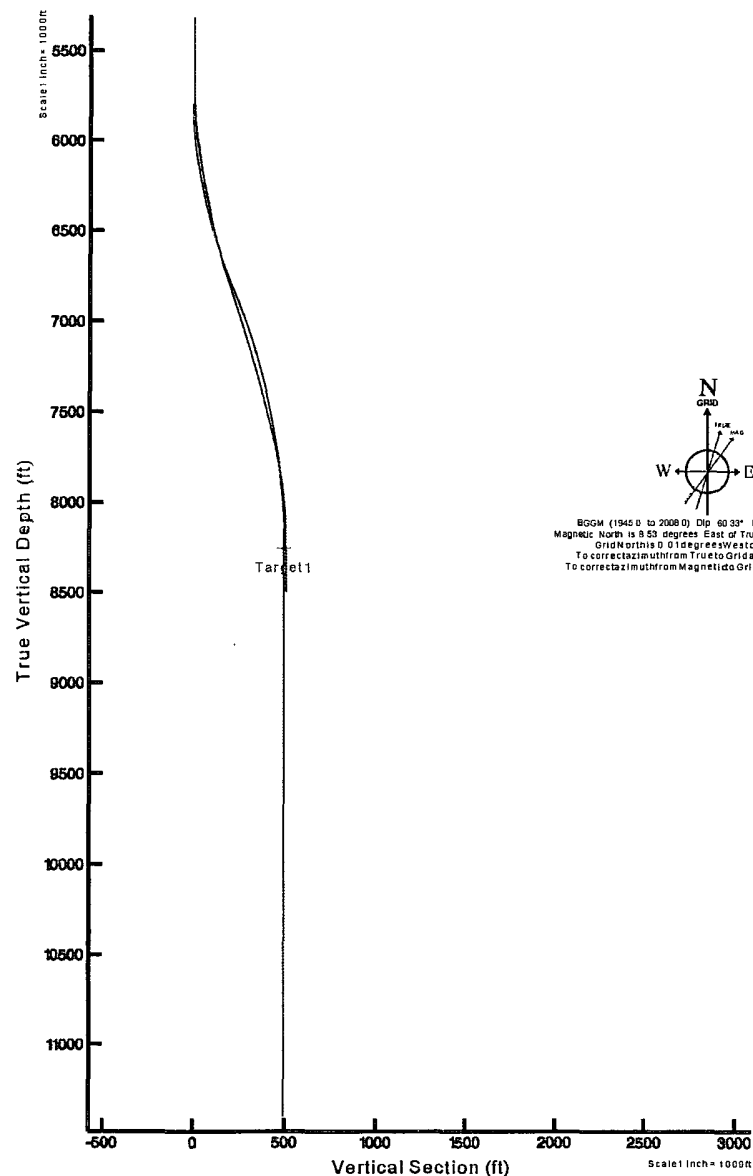
devon

Devon Energy

Location: EddyCounty,NM Slot: Com #1
 Field: Section 14 T22SR25E (BoydCanyon) Well: BoydCanyon"14" Federal Com #1
 Facility: BoydCanyon"14" Wellbore: #1AWB

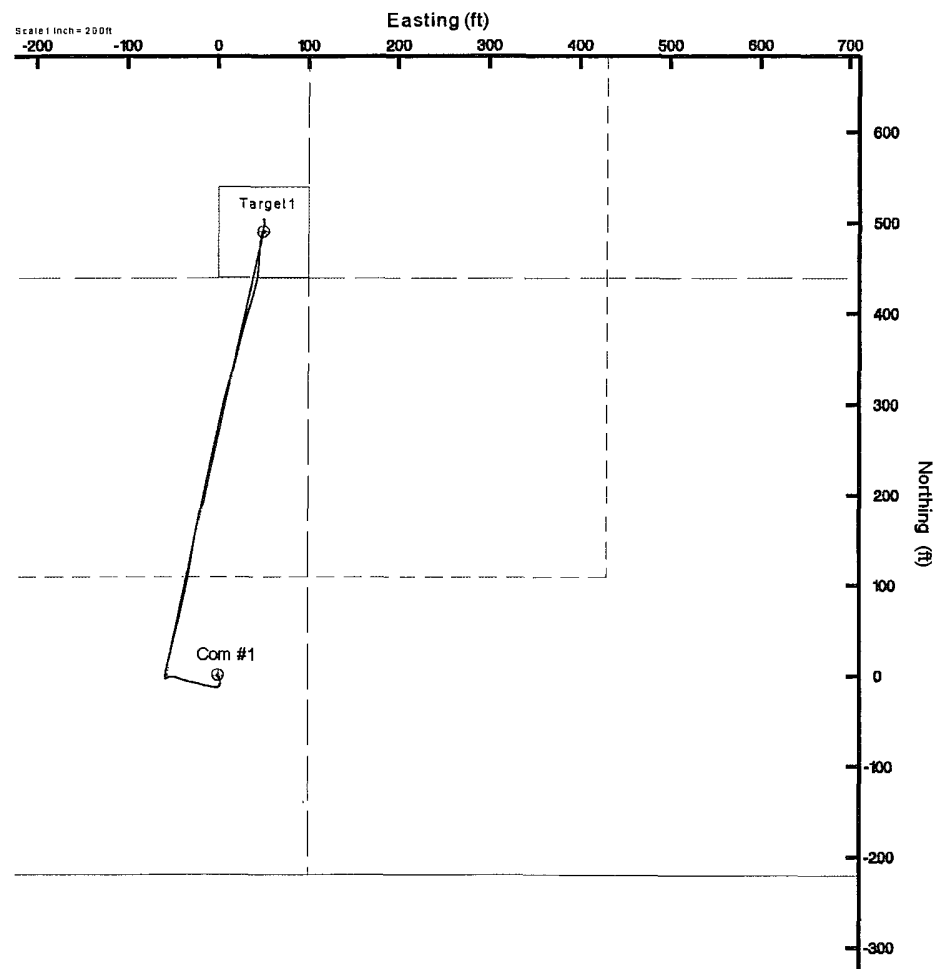
**BAKER
HUGHES**
INTEQ

Plot reference wellpath is #1 AWP	
True vertical depths are referenced to Rig on Com #1 (RT)	Grid System: NAD83 / TM New Mexico State Plane, Eastern Zone (3201), US feet
Measured depths are referenced to Rig on Com #1 (RT)	North Reference: Grid north
Rig on Com #1 (RT) to Mean Sea Level: 3440 feet	Scale: True distance
Mean Sea Level to Well Slot (Facility: Boyd Canyon "14"): 3440 feet	Depth: are in feet
Coordinates are in feet referenced to Slot	Created by: DavePatt on 2/21/2007



N
 GRID
 TRUE
 MAG
 W E

BGM (1945.0 to 2008.0) Dip: 60.33° Field: 49126.4 nT
 Magnetic North is 8.53 degrees East of True North (at 11/02/2006)
 Grid North is 0.01 degrees West of True North
 To correct azimuth from True to Grid add 0.01 degrees
 To correct azimuth from Magnetic to Grid add 8.53 degrees



Azimuth 5.83° with reference 0.00 N, 0.00 E from wellhead

Deviation Summary

Legal Well Name:	BOYDS CANYON 14 FED COM 1	Spud Date:	1/29/2007	S/T #	V.S. AZI (°)
Common Well Name:	BOYDS CANYON 14 FED COM 1	Start:	1/27/2007	OH	5.83
Event Name:	ONSHORE ORIG DRLG	End:	3/5/2007		
Contractor Name:		Rig Release:			
Rig Name:		Rig Number:			
TMD: 11,367.00 (ft)	TVD: 0.00 (ft)	Calculation Method:	Minimum Curvature		

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	222.00	1.50	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	tot
OH	953.00	0.75	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	1,453.00	0.50	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	1,953.00	0.50	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	2,499.00	1.00	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	2,972.00	1.25	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	3,450.00	1.50	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	3,959.00	1.25	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	4,400.00	1.25	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	4,900.00	1.00	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	0.00	0.00	0.00	NYN	0.00	0.00	0.00	0.00	0.00	0.00	GM
OH	100.00	0.23	195.41	YNN	100.00	-0.19	-0.05	-0.20	0.23	0.23	GM
OH	200.00	0.22	118.82	YNN	200.00	-0.48	0.06	-0.47	0.28	-0.01	GM
OH	300.00	0.29	66.89	YNN	300.00	-0.47	0.46	-0.42	0.23	0.07	GM
OH	400.00	0.37	160.37	YNN	400.00	-0.68	0.80	-0.59	0.48	0.08	GM
OH	500.00	0.38	150.20	YNN	500.00	-1.27	1.08	-1.15	0.07	0.01	GM
OH	600.00	0.57	141.21	YNN	599.99	-1.94	1.55	-1.78	0.20	0.19	GM
OH	700.00	0.64	149.92	YNN	699.99	-2.82	2.15	-2.58	0.12	0.07	GM
OH	800.00	0.59	163.59	YNN	799.98	-3.79	2.57	-3.51	0.15	-0.05	GM
OH	900.00	0.68	176.23	YNN	899.97	-4.88	2.75	-4.57	0.17	0.09	GM
OH	1,000.00	0.80	183.17	YNN	999.97	-6.17	2.76	-5.86	0.15	0.12	GM
OH	1,100.00	0.82	179.33	YNN	1,099.96	-7.58	2.73	-7.26	0.06	0.02	GM
OH	1,200.00	0.64	201.28	YNN	1,199.95	-8.82	2.53	-8.51	0.33	-0.18	GM
OH	1,300.00	0.36	207.87	YNN	1,299.94	-9.61	2.18	-9.34	0.29	-0.28	GM
OH	1,400.00	0.48	203.55	YNN	1,399.94	-10.28	1.87	-10.03	0.12	0.12	GM
OH	1,500.00	0.35	210.12	YNN	1,499.94	-10.92	1.55	-10.71	0.14	-0.13	GM
OH	1,600.00	0.46	217.60	YNN	1,599.94	-11.51	1.15	-11.33	0.12	0.11	GM
OH	1,700.00	0.39	243.24	YNN	1,699.93	-11.98	0.60	-11.86	0.20	-0.07	GM

Deviation Summary

Legal Well Name: BOYDS CANYON 14 FED COM 1
 Common Well Name: BOYDS CANYON 14 FED COM 1
 Event Name: ONSHORE ORIG DRLG
 Contractor Name:
 Rig Name:
 TMD: 11,367.00 (ft)

Spud Date: 1/29/2007

Start: 1/27/2007

End: 3/5/2007

Rig Release:

Rig Number:

Calculation Method: Minimum Curvature

S/T #

V.S. AZI (°)

OH

5 83

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	1,800.00	0.48	243.91	YNN	1,799.93	-12.32	-0.08	-12.26	0.09	0.09	GM
OH	1,900.00	0.45	258.09	YNN	1,899.93	-12.58	-0.84	-12.60	0.12	-0.03	GM
OH	2,000.00	0.30	281.13	YNN	1,999.93	-12.61	-1.48	-12.70	0.21	-0.15	GM
OH	2,100.00	0.41	293.48	YNN	2,099.92	-12.42	-2.07	-12.56	0.13	0.11	GM
OH	2,200.00	0.62	274.36	YNN	2,199.92	-12.23	-2.94	-12.47	0.27	0.21	GM
OH	2,300.00	0.61	274.97	YNN	2,299.91	-12.15	-4.00	-12.49	0.01	-0.01	GM
OH	2,400.00	0.59	284.19	YNN	2,399.91	-11.98	-5.03	-12.42	0.10	-0.02	GM
OH	2,500.00	0.87	283.88	YNN	2,499.90	-11.67	-6.27	-12.24	0.28	0.28	GM
OH	2,600.00	0.92	276.91	YNN	2,599.89	-11.39	-7.80	-12.12	0.12	0.05	GM
OH	2,700.00	0.83	279.83	YNN	2,699.88	-11.17	-9.32	-12.06	0.10	-0.09	GM
OH	2,800.00	0.96	285.58	YNN	2,799.86	-10.82	-10.84	-11.86	0.16	0.13	GM
OH	2,900.00	0.98	280.77	YNN	2,899.85	-10.43	-12.48	-11.65	0.08	0.02	GM
OH	3,000.00	0.98	287.01	YNN	2,999.83	-10.02	-14.14	-11.41	0.11	0.00	GM
OH	3,100.00	1.09	279.86	YNN	3,099.82	-9.61	-15.90	-11.18	0.17	0.11	GM
OH	3,200.00	0.90	283.37	YNN	3,199.80	-9.27	-17.60	-11.01	0.20	-0.19	GM
OH	3,300.00	0.99	291.09	YNN	3,299.79	-8.77	-19.17	-10.68	0.16	0.09	GM
OH	3,400.00	1.07	289.33	YNN	3,399.77	-8.15	-20.85	-10.23	0.09	0.08	GM
OH	3,500.00	1.10	279.05	YNN	3,499.76	-7.69	-22.68	-9.96	0.20	0.03	GM
OH	3,600.00	1.02	281.31	YNN	3,599.74	-7.37	-24.50	-9.82	0.09	-0.08	GM
OH	3,700.00	1.01	283.94	YNN	3,699.72	-6.98	-26.23	-9.61	0.05	-0.01	GM
OH	3,800.00	1.17	279.79	YNN	3,799.71	-6.60	-28.09	-9.42	0.18	0.16	GM
OH	3,900.00	1.06	280.91	YNN	3,899.69	-6.25	-30.01	-9.26	0.11	-0.11	GM
OH	4,000.00	1.12	288.82	YNN	3,999.67	-5.76	-31.84	-8.96	0.16	0.06	GM
OH	4,100.00	1.26	284.49	YNN	4,099.65	-5.17	-33.83	-8.58	0.17	0.14	GM
OH	4,200.00	1.11	282.32	YNN	4,199.63	-4.68	-35.84	-8.30	0.16	-0.15	GM
OH	4,300.00	1.08	286.32	YNN	4,299.61	-4.21	-37.69	-8.02	0.08	-0.03	GM
OH	4,400.00	1.11	291.33	YNN	4,399.59	-3.60	-39.50	-7.59	0.10	0.03	GM
OH	4,500.00	1.08	289.27	YNN	4,499.57	-2.93	-41.29	-7.11	0.05	-0.03	GM

Deviation Summary

Legal Well Name:		BOYDS CANYON 14 FED COM 1				Spud Date:		1/29/2007		S/T #	V.S. AZI (°)
Common Well Name:		BOYDS CANYON 14 FED COM 1				Start:		1/27/2007		OH	5.83
Event Name:		ONSHORE ORIG DRLG				End:		3/5/2007			
Contractor Name:						Rig Release:					
Rig Name:						Rig Number:					
TMD: 11,367.00 (ft)		TVD: 0.00 (ft)				Calculation Method:		Minimum Curvature			
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	4,600.00	1.05	287.70	YNN	4,599.55	-2.34	-43.05	-6.70	0.04	-0.03	GM
OH	4,700.00	1.07	289.57	YNN	4,699.54	-1.75	-44.81	-6.29	0.04	0.02	GM
OH	4,800.00	1.14	287.28	YNN	4,799.52	-1.14	-46.64	-5.88	0.08	0.07	GM
OH	4,900.00	1.02	271.76	YNN	4,899.50	-0.82	-48.47	-5.74	0.31	-0.12	GM
OH	5,000.00	0.78	272.10	YNN	4,999.49	-0.77	-50.04	-5.85	0.24	-0.24	GM
OH	5,100.00	0.72	272.17	YNN	5,099.48	-0.72	-51.35	-5.93	0.06	-0.06	GM
OH	5,200.00	0.60	274.52	YNN	5,199.47	-0.65	-52.50	-5.98	0.12	-0.12	GM
OH	5,300.00	0.60	248.59	YNN	5,299.47	-0.80	-53.51	-6.24	0.27	0.00	GM
OH	5,400.00	0.64	238.09	YNN	5,399.46	-1.29	-54.47	-6.82	0.12	0.04	GM
OH	5,500.00	0.75	242.20	YNN	5,499.45	-1.89	-55.53	-7.52	0.12	0.11	GM
OH	5,600.00	0.57	253.87	YNN	5,599.45	-2.34	-56.58	-8.07	0.22	-0.18	GM
OH	5,624.00	0.47	244.30	YNN	5,623.45	-2.41	-56.79	-8.17	0.55	-0.42	GM
OH	5,680.00	0.60	211.40	YNN	5,679.44	-2.76	-57.15	-8.55	0.59	0.23	GM
OH	5,711.00	0.80	325.30	YNN	5,710.44	-2.72	-57.35	-8.53	3.80	0.65	MWD
OH	5,743.00	1.90	355.20	YNN	5,742.43	-2.01	-57.53	-7.84	3.97	3.44	MWD
OH	5,775.00	3.20	356.90	YNN	5,774.40	-0.59	-57.62	-6.44	4.07	4.06	MWD
OH	5,806.00	3.90	1.20	YNN	5,805.34	1.33	-57.64	-4.53	2.41	2.26	MWD
OH	5,837.00	4.60	7.10	YNN	5,836.26	3.62	-57.47	-2.24	2.66	2.26	MWD
OH	5,869.00	5.10	11.00	YNN	5,868.14	6.29	-57.04	0.46	1.87	1.56	MWD
OH	5,901.00	5.70	13.50	YNN	5,900.00	9.23	-56.40	3.45	2.01	1.88	MWD
OH	5,933.00	6.20	14.90	YNN	5,931.83	12.44	-55.58	6.73	1.63	1.56	MWD
OH	5,963.00	6.60	14.20	YNN	5,961.64	15.68	-54.74	10.04	1.36	1.33	MWD
OH	5,995.00	7.10	14.90	YNN	5,993.41	19.37	-53.78	13.81	1.58	1.56	MWD
OH	6,026.00	7.60	14.20	YNN	6,024.16	23.21	-52.79	17.73	1.64	1.61	MWD
OH	6,058.00	8.20	12.10	YNN	6,055.85	27.50	-51.79	22.09	2.08	1.88	MWD
OH	6,089.00	8.80	12.40	YNN	6,086.51	31.97	-50.82	26.65	1.94	1.94	MWD
OH	6,120.00	9.30	11.40	YNN	6,117.13	36.74	-49.81	31.50	1.69	1.61	MWD
OH	6,152.00	9.80	12.80	YNN	6,148.68	41.94	-48.70	36.77	1.72	1.56	MWD

Deviation Summary

Legal Well Name:		BOYDS CANYON 14 FED COM 1				Spud Date: 1/29/2007				S/T #	V.S. AZI (°)
Common Well Name:		BOYDS CANYON 14 FED COM 1				Start: 1/27/2007				OH	5.83
Event Name:		ONSHORE ORIG DRLG				End: 3/5/2007					
Contractor Name:						Rig Release:					
Rig Name:						Rig Number:					
TMD: 11,367.00 (ft)		TVD: 0.00 (ft)				Calculation Method: Minimum Curvature					
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	6,183.00	9.90	14.50	YNN	6,179.23	47.09	-47.44	42.03	0.99	0.32	MWD
OH	6,214.00	9.90	15.60	YNN	6,209.76	52.23	-46.06	47.29	0.61	0.00	MWD
OH	6,245.00	9.80	15.20	YNN	6,240.31	57.35	-44.65	52.52	0.39	-0.32	MWD
OH	6,276.00	10.20	14.20	YNN	6,270.84	62.55	-43.29	57.83	1.41	1.29	MWD
OH	6,307.00	10.60	12.40	YNN	6,301.33	68.00	-42.00	63.38	1.66	1.29	MWD
OH	6,338.00	11.20	12.80	YNN	6,331.77	73.72	-40.72	69.20	1.95	1.94	MWD
OH	6,369.00	11.50	12.80	YNN	6,362.16	79.67	-39.37	75.26	0.97	0.97	MWD
OH	6,400.00	11.60	12.40	YNN	6,392.53	85.73	-38.02	81.42	0.41	0.32	MWD
OH	6,431.00	11.70	12.10	YNN	6,422.89	91.84	-36.69	87.64	0.38	0.32	MWD
OH	6,462.00	11.50	12.40	YNN	6,453.26	97.94	-35.37	93.84	0.67	-0.65	MWD
OH	6,493.00	12.80	11.00	YNN	6,483.57	104.33	-34.05	100.33	4.30	4.19	MWD
OH	6,524.00	13.80	10.70	YNN	6,513.73	111.33	-32.71	107.43	3.23	3.23	MWD
OH	6,555.00	14.50	10.00	YNN	6,543.79	118.78	-31.35	114.99	2.32	2.26	MWD
OH	6,586.00	15.00	9.60	YNN	6,573.77	126.56	-30.00	122.86	1.65	1.61	MWD
OH	6,616.00	15.70	9.60	YNN	6,602.70	134.39	-28.68	130.78	2.33	2.33	MWD
OH	6,648.00	16.30	9.20	YNN	6,633.46	143.09	-27.24	139.59	1.91	1.88	MWD
OH	6,679.00	16.70	9.60	YNN	6,663.19	151.78	-25.80	148.37	1.34	1.29	MWD
OH	6,710.00	17.20	10.70	YNN	6,692.84	160.68	-24.21	157.39	1.92	1.61	MWD
OH	6,741.00	17.80	11.40	YNN	6,722.40	169.82	-22.42	166.67	2.05	1.94	MWD
OH	6,771.00	18.60	11.70	YNN	6,750.90	179.00	-20.54	175.99	2.68	2.67	MWD
OH	6,802.00	18.50	12.10	YNN	6,780.29	188.65	-18.51	185.80	0.52	-0.32	MWD
OH	6,833.00	17.60	11.70	YNN	6,809.77	198.05	-16.53	195.35	2.93	-2.90	MWD
OH	6,864.00	16.90	12.10	YNN	6,839.37	207.05	-14.63	204.49	2.29	-2.26	MWD
OH	6,895.00	17.10	11.70	YNN	6,869.02	215.92	-12.76	213.50	0.75	0.65	MWD
OH	6,927.00	17.90	12.10	YNN	6,899.54	225.33	-10.78	223.07	2.53	2.50	MWD
OH	6,989.00	18.20	12.10	YNN	6,958.48	244.12	-6.75	242.17	0.48	0.48	MWD
OH	7,020.00	18.20	13.10	YNN	6,987.93	253.57	-4.64	251.78	1.01	0.00	MWD
OH	7,052.00	17.30	13.10	YNN	7,018.41	263.07	-2.43	261.46	2.81	-2.81	MWD

Deviation Summary

Legal Well Name:	BOYDS CANYON 14 FED COM 1	Spud Date:	1/29/2007	S/T #	V.S. AZI (°)
Common Well Name:	BOYDS CANYON 14 FED COM 1	Start:	1/27/2007	OH	5.83
Event Name:	ONSHORE ORIG DRLG	End:	3/5/2007		
Contractor Name:		Rig Release:			
Rig Name:		Rig Number:			
TMD: 11,367.00 (ft)	TVD: 0.00 (ft)	Calculation Method:	Minimum Curvature		

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	7,083.00	16.30	12.10	YNN	7,048.09	271.81	-0.47	270.36	3.36	-3.23	MWD
OH	7,113.00	16.60	12.10	YNN	7,076.86	280.12	1.31	278.80	1.00	1.00	MWD
OH	7,145.00	17.30	12.40	YNN	7,107.47	289.23	3.29	288.07	2.20	2.19	MWD
OH	7,176.00	17.60	12.80	YNN	7,137.04	298.31	5.32	297.30	1.04	0.97	MWD
OH	7,208.00	17.20	14.20	YNN	7,167.58	307.61	7.55	306.79	1.81	-1.25	MWD
OH	7,240.00	16.50	15.60	YNN	7,198.20	316.57	9.93	315.95	2.53	-2.19	MWD
OH	7,272.00	15.90	16.60	YNN	7,228.93	325.15	12.41	324.73	2.07	-1.88	MWD
OH	7,304.00	15.70	15.90	YNN	7,259.72	333.52	14.85	333.30	0.86	-0.63	MWD
OH	7,335.00	15.70	15.20	YNN	7,289.57	341.60	17.09	341.57	0.61	0.00	MWD
OH	7,366.00	16.00	13.50	YNN	7,319.39	349.80	19.19	349.94	1.78	0.97	MWD
OH	7,397.00	16.30	12.80	YNN	7,349.17	358.20	21.15	358.49	1.15	0.97	MWD
OH	7,427.00	16.30	13.50	YNN	7,377.96	366.40	23.07	366.84	0.65	0.00	MWD
OH	7,459.00	15.60	14.50	YNN	7,408.73	374.93	25.19	375.55	2.35	-2.19	MWD
OH	7,490.00	15.00	15.60	YNN	7,438.63	382.83	27.32	383.62	2.15	-1.94	MWD
OH	7,521.00	14.50	16.30	YNN	7,468.61	390.42	29.48	391.39	1.71	-1.61	MWD
OH	7,553.00	14.30	17.00	YNN	7,499.60	398.04	31.76	399.21	0.83	-0.63	MWD
OH	7,585.00	14.30	17.00	YNN	7,530.61	405.60	34.07	406.96	0.00	0.00	MWD
OH	7,616.00	14.30	16.60	YNN	7,560.65	412.93	36.29	414.48	0.32	0.00	MWD
OH	7,647.00	13.80	15.60	YNN	7,590.72	420.16	38.38	421.88	1.79	-1.61	MWD
OH	7,679.00	13.20	14.20	YNN	7,621.84	427.38	40.30	429.26	2.14	-1.88	MWD
OH	7,710.00	12.70	12.70	YNN	7,652.05	434.13	41.92	436.14	1.94	-1.61	MWD
OH	7,740.00	12.10	10.30	YNN	7,681.35	440.44	43.20	442.55	2.64	-2.00	MWD
OH	7,772.00	11.70	7.10	YNN	7,712.66	446.96	44.20	449.14	2.41	-1.25	MWD
OH	7,804.00	11.40	5.00	YNN	7,744.02	453.33	44.88	455.55	1.61	-0.94	MWD
OH	7,836.00	10.60	2.90	YNN	7,775.43	459.42	45.31	461.65	2.80	-2.50	MWD
OH	7,868.00	9.60	3.30	YNN	7,806.93	465.03	45.61	467.25	3.13	-3.13	MWD
OH	7,900.00	8.80	4.00	YNN	7,838.52	470.13	45.93	472.37	2.52	-2.50	MWD
OH	7,930.00	7.90	4.00	YNN	7,868.20	474.48	46.24	476.72	3.00	-3.00	MWD

Deviation Summary

Legal Well Name: BOYDS CANYON 14 FED COM 1
Common Well Name: BOYDS CANYON 14 FED COM 1
Event Name: ONSHORE ORIG DRLG

Spud Date: 1/29/2007
Start: 1/27/2007
End: 3/5/2007

Contractor Name:

Rig Release:

Rig Name:

Rig Number:

TMD: 11,367.00 (ft)

TVD: 0.00 (ft)

Calculation Method: Minimum Curvature

S/T #

V.S. AZI (°)

OH

5.83

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	7,961.00	7.20	7.10	YNN	7,898.93	478.53	46.62	480.79	2.61	-2.26	MWD
OH	7,992.00	6.60	7.10	YNN	7,929.71	482.23	47.09	484.52	1.94	-1.94	MWD
OH	8,023.00	6.10	9.60	YNN	7,960.52	485.62	47.58	487.94	1.84	-1.61	MWD
OH	8,054.00	5.50	11.00	YNN	7,991.36	488.70	48.14	491.06	1.99	-1.94	MWD
OH	8,085.00	4.90	11.00	YNN	8,022.23	491.46	48.67	493.86	1.94	-1.94	MD
OH	8,115.00	4.40	11.40	YNN	8,052.13	493.85	49.15	496.28	1.67	-1.67	MD
OH	8,147.00	3.70	16.60	YNN	8,084.05	496.04	49.68	498.52	2.47	-2.19	MD
OH	8,178.00	3.00	16.60	YNN	8,115.00	497.77	50.20	500.30	2.26	-2.26	MD
OH	8,209.00	2.10	11.40	YNN	8,145.97	499.11	50.55	501.66	2.99	-2.90	MD
OH	8,240.00	1.60	358.30	YNN	8,176.95	500.10	50.64	502.66	2.10	-1.61	MD
OH	8,271.00	1.10	342.90	YNN	8,207.94	500.81	50.54	503.36	1.98	-1.61	MD
OH	8,334.00	0.50	352.00	YNN	8,270.94	501.66	50.33	504.18	0.97	-0.95	MD
OH	8,428.00	0.90	349.90	YNN	8,364.93	502.80	50.14	505.29	0.43	0.43	MD
OH	8,460.00	0.90	33.70	YNN	8,396.93	503.25	50.24	505.75	2.10	0.00	MD
OH	8,491.00	1.20	324.00	YNN	8,427.92	503.72	50.18	506.21	3.95	0.97	MD
OH	8,522.00	1.20	319.70	YNN	8,458.91	504.23	49.78	506.68	0.29	0.00	MD
OH	8,553.00	1.00	326.00	YNN	8,489.91	504.70	49.42	507.11	0.75	-0.65	MD
OH	9,033.00	2.00	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	
OH	9,526.00	2.00	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	10,223.00	1.50	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	10,431.00	1.50	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	10,928.00	0.50	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	TOT
OH	11,367.00	1.25	0.00	NNN	0.00	0.00	0.00	0.00	0.00	0.00	

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BOYDS CANYON 14 FED COM #1		Field: HAPPY VALLEY	
Location: 220' FSL & 760' FEL; SEC 14-T22S-R25E		County: EDDY	State: NM
Elevation: 3445' KB; 3428' GL		Spud Date: 1/29/07	Compl Date:
API#: 30-015-35290	Prepared by: Ronnie Slack	Date: 6/22/07	Rev:

17-1/2" hole

13-3/8", 48#, H40, STC, @ 454'

Cemented w/ 596 Sx. Top out w/additional 435 Sx
Cement to surface

12-1/4" hole

9-5/8", 40#, J55, LTC, @ 2,024'

Cemented w/1110 Sx. Top out w/additional 335 Sx
Cement to surface

DV Tool @ 8,005'

2-7/8" Tubing

2 31 F profile

Packer 9301' (6/20/07)

4' sub, 2.31 F profile, 4' sub, 2.225 R profile
EOT @ 9315'

CANYON (5/9/07)

9,340' - 9,350' 4 spf Wet (5/12/07)

5/11/07: Acidized 9340-9350 w/2000 gals 15% NeFe, Avg 6 bpm, 4000#

9,370' - 9,374' (6/20/07) 4 spf

9,378' - 9,382' (6/20/07) 4 spf

6/21/07: Acidized 9340-9382 w/1500 gals gel acid, Avg 10 bpm, 5961#

STRAWN (5/2/07)

9,763' - 9,764' 4 spf

9,844' - 9,852' 4 spf Wet (5/8/07)

9,867' - 9,874' 4 spf

5/4/07: Acidized 9763-9874 w/5000 gals 15% HCl, Avg 10 bpm, 4100#

MORROW (4/10/07)

10,598' - 10,620' (4 spf, 90°)

4/12/07: Acidized 10598-620 w/2500 gals 7.5%

MORROW (3/31/07)

10,720' - 10,748' (4 spf, 90°)

4/2/07: acidized 10720-10748 w/3K gals 7.5%; Avg 6 bpm, 3600 psi. 4/6/07: Fraced w/60K# ultra prop, N2, 107 tons CO2, Avg 30.8 bpm, 5405 psi.

8-3/4" Hole

5-1/2", 17#, HCP-110, @ 11,367'

Cemented 1st Stg w/1085 Sx, 2nd Stg w/1900 Sx
Calc. TOC at 1275'

35' Cement. 9715' PBD.

CIBP @ 9750' (6/20/07)

35' Cement. 10,555' PBTD

CIBP @ 10,590' (5/2/07)

Composite Frac Plug w/ball & seat @ 10,680' (4/10/07)

11,323' PBTD

11,367' TD