

TABULATION OF DEVIATION TEST AMOCO PRODUCTION COMPANY

DEPTH	DEVIATION	DEPTH	DEVIATION
155'	0.00	884'	25.00
0.01	0.00	945'	25.10
200'	0.27	1007'	25.30
231'	0.57	1068'	25.88
262'	1.22	1129'	25.80
293'	2.10	1191'	24.78
324'	3.10	1253'	25.16
355'	4.39	1315'	24.18
386'	5.01	1378'	23.88
417'	7.18	1440'	24.17
448'	8.76	1502'	24.55
479'	10.38	1565'	23.19
510'	11.87	1658'	21.80
541'	13.06	1719'	22.28
572'	14.19	1748'	22.49
603'	14.19	1809'	21.10
635'	14.19	1871'	19.32
665'	15.60	1933'	17.27
696'	17.09	1995'	15.49
728'	18.65	2057'	13.90
759'	19.61	2117'	11.40
789'	21.38	2166'	9.33
821'	23.08		

Post-It Fax Note 7671

To: Prody

From: H. Velasco

Co: BP

Phone: 281-334-1017

Fax: 281-334-1017

Date: 9-5-00

Pages: 1

AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge, the above tabulation details the deviation test taken on AMOCO PRODUCTION COMPANY'S:

Sandoval Gas Com A 1B

1120' FNL & 2205' FWL, SEC 35, T30N, R09W

SAN JUAN COUNTY, NEW MEXICO

Signed: Melissa Velasco Price

Title: Permitting Assistant

THE STATE OF TEXAS)

) SS.

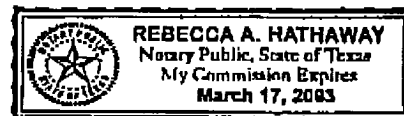
COUNTY OF HARRIS)

BEFORE ME, the undersigned authority, on this day personally appeared Melissa Velasco-Price known to me to be a Permitting Assistant for Amoco Production company and to be the person whose name is subscribed to the above statement, who being by me duly sworn on oath, states that she has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN to before me, a Notary Public in and for said County and State this 20 day of July, 2000.

Rebecca A. Hathaway
Notary Public

My Commission Expires: March 17, 2003



SURFACE USE PLAN
Conoco Inc.

Houck 2C

The following is required information concerning the possible effect which the drilling of this well may have on the environment, existing road sites, and surrounding acreage. A copy will be posted on the derrick floor so all contractors and sub-contractors will be aware of all items on this plan.

1. Existing Roads
 - A. The proposed well site is 660' FNL & 750' FWL, Sec. 11, T29N, R10W, San Juan County, New Mexico. This is a Blanco Mesaverde well.
 - B. Directions to the location are provided as an attachment.
2. Planned Access Roads
 - A. 600' +/- new access road will be required.
 - B. Turnouts as specified by surface management agency.
 - C. Culverts as specified by surface management agency.
 - D. Gates, cattleguards, or fences as specified by surface management agency.
3. Topographic Map and Well Location

A 7.5" quadrangle topo map was filed with the NOS.
4. Wellsite Layout and Cross Sections

See Cut & Fill plat.
5. Water Supply

Fresh water will be obtained from commercial sources and trucked to location by the above described directions to the location.
6. Source of Construction Materials

Construction materials will be obtained from the location site.

Schlumberger

Anadrill

MDC Operations
9900 West Interstate 20
Midland, Texas 79706
Phone (915) 563-3057
Fax (915) 563-3059

C-35-30N-9W



State of Texas
County of Midland

I, Armando Aguilar, certify that; I am employed by Anadrill, a division of Schlumberger Technology Corporation; that I did on the day's of 5-28-00 through 5-31-00 conduct or supervise the taking of MWD surveys from a depth of 200 feet to a depth of 2207 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Anadrill, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of BP Amoco, Sandoval Gas Com A # 1B, API # 30-045-30187, in San Juan County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Anadrill, a division of Schlumberger Technology Corporation.

Armando Aguilar

Armando Aguilar,
MWD 2

Bottom Hole Location:

1648 FNL } F, 35, 30N, 9W
2523 FWL }

— SA 9-12-00

Schlumberger

Anadrill

MDC Operations
9900 West Interstate 20
Midland, Texas 79706
Phone (915) 563-3057
Fax (915) 563-3059

May 31, 2000

Oil Conservation Division
District I
P.O. Box 1960
Hobbs, New Mexico 88241-1960

Re: BP Amoco
Sandoval Gas Com A #1B
San Juan Co, New Mexico
API # 30-045-30187

Enclosed, please find the original and one copy of the survey performed on the referenced well by Anadrill, a division of Schlumberger Technology Corporation. Other information required by your office is as follows:

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Armando Aguilar MWD 2	#1	0200-2207	5/28/00-5/31/00	MWD/D&I

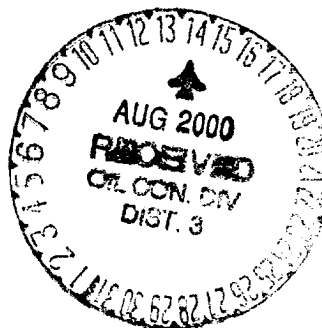
A certified plat on which the bottom hole is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Ernie Fontenot
Well Planner

Cc: BP Amoco

Enclosures: 2



Sandoval A#1B Surveys

ANADRILL

SCHLUMBERGER

Survey report 31-May-2000 12:57:21 Page 1 of 3

Client..BP Amoco.....:

Field..Sandoval Mesaverde.....:

Well..sandoval Gas Com A #1B.....:

Spud date.....:

API number.30-045-30187.....:

Last survey date.....: 31-May-00

Engineer.A. Aguilar.....:

Total accepted surveys....: 45

MD of first survey.....: 200.00 ft

COUNTY:..San Juan.....:

MD of last survey.....: 2207.00 ft

STATE:..New Mexico.....:

--- Survey calculation methods-----

Method for positions.....: Minimum curvature

Method for DLS.....: Mason & Taylor

---- Geomagnetic data -----

Magnetic model.....: BGGM version 1999

Magnetic date.....: 00-Y- 0

Magnetic field strength...: 803.70 HCNT

--- Depth reference -----

Magnetic dec (+E/W-).....: -1.60 degrees

Permanent datum.....: GROUND LEVEL

Magnetic dip.....: 64.79 degrees

Depth reference.....:

GL above permanent.....: -50000.00 ft

---- MWD survey Reference Criteria -----

KB above permanent.....: -50000.00 ft

Reference G.....: 999.33 mGal

DF above permanent.....: -50000.00 ft

Reference H.....: 1036.00 HCNT

Reference Dip.....: 64.42 degrees

--- Vertical section origin-----

Tolerance of G.....: (+/-) 2.50 mGal

Latitude (+N/S-).....: 0.00 ft

Tolerance of H.....: (+/-) 6.00 HCNT

Departure (+E/W-).....: 0.00 ft

Tolerance of Dip.....: (+/-) 0.45 degrees

--- Platform reference point-----

---- Corrections -----

Latitude (+N/S-).....: -999.25 ft

Magnetic dec (+E/W-).....: 10.50 degrees

Departure (+E/W-).....: -999.25 ft

Grid convergence (+E/W-)..: 0.00 degrees

Total az corr (+E/W-).....: 10.50 degrees

Azimuth from rotary table to target: 151.60 degrees

(Total az corr = magnetic dec - grid conv)

Sag applied (Y/N).....: No degree: 0.00

Sandoval A#1B Surveys

[(c)2000 Anadrill IDEAL ID6_1A_21]

ANADRILL SCHLUMBERGER Survey Report

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Seq Measured Incl Azimuth Course TVD Vertical Displ Displ Total At DLS Srvy Tool
# depth angle angle length depth section +N/S- +E/W- displ Azim (deg/ tool qual
- (ft) (deg) (deg) (ft) (ft) (ft) (ft) (ft) (ft) (deg) 100f) type type
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1 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 TIP -
2 200.00 0.27 356.62 200.00 200.00 -0.43 0.47 -0.03 0.47 356.62 0.14 SHP 6-axis
3 231.00 0.25 18.73 31.00 231.00 -0.54 0.61 -0.01 0.61 359.02 0.33 SHP 6-axis
4 262.00 0.57 133.50 31.00 262.00 -0.44 0.57 0.12 0.58 12.29 2.30 MWD -
5 293.00 1.22 150.13 31.00 292.99 0.04 0.17 0.40 0.44 66.58 2.24 SHP 6-axis

6 324.00 2.10 152.82 31.00 323.98 0.94 -0.62 0.82 1.03 126.92 2.85 SHP 6-axis
7 355.00 3.10 153.09 31.00 354.95 2.34 -1.87 1.46 2.37 142.00 3.23 SHP 6-axis
8 386.00 4.39 152.09 31.00 385.88 4.37 -3.67 2.40 4.38 146.83 4.17 SHP 6-axis
9 417.00 5.80 151.69 31.00 416.76 7.12 -6.09 3.70 7.13 148.77 4.55 SHP 6-axis
10 448.00 7.14 150.93 31.00 447.56 10.61 -9.16 5.37 10.62 149.59 4.33 SHP 6-axis

11 479.00 8.76 151.44 31.00 478.26 14.90 -12.92 7.44 14.90 150.06 5.23 SHP 6-axis
12 510.00 10.39 154.17 31.00 508.83 20.05 -17.51 9.79 20.05 150.79 5.46 SHP 6-axis
13 541.00 11.84 153.73 31.00 539.25 26.02 -22.87 12.41 26.02 151.52 4.69 SHP 6-axis
14 572.00 13.06 152.84 31.00 569.52 32.70 -28.84 15.42 32.70 151.87 3.98 SHP 6-axis
15 603.00 14.19 151.62 31.00 599.64 40.01 -35.30 18.82 40.01 151.93 3.76 SHP 6-axis

16 635.00 15.62 151.68 32.00 630.57 48.24 -42.54 22.73 48.24 151.89 4.47 SHP 6-axis
17 665.00 17.09 152.39 30.00 659.35 56.68 -50.01 26.69 56.68 151.91 4.95 SHP 6-axis
18 696.00 18.65 152.87 31.00 688.86 66.19 -58.46 31.06 66.20 152.01 5.05 SHP 6-axis
19 728.00 19.61 153.28 32.00 719.09 76.68 -67.81 35.81 76.68 152.16 3.03 SHP 6-axis
20 759.00 20.30 153.09 31.00 748.23 87.25 -77.25 40.58 87.26 152.28 2.24 SHP 6-axis

21 789.00 21.38 152.94 30.00 776.26 97.92 -86.76 45.43 97.93 152.36 3.60 SHP 6-axis
22 821.00 23.08 153.04 32.00 805.88 110.02 -97.54 50.92 110.04 152.43 5.31 SHP 6-axis
23 884.00 25.05 153.62 63.00 863.41 135.70 -120.50 62.45 135.72 152.60 3.15 SHP 6-axis
24 945.00 25.11 152.72 61.00 918.65 161.55 -143.57 74.12 161.58 152.70 0.63 SHP 6-axis
25 1007.00 25.36 152.70 62.00 974.74 187.97 -167.06 86.24 188.01 152.70 0.40 SHP 6-axis

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Sandoval A#1B Surveys

26	1068.00	25.88	151.71	61.00	1029.74	214.35	-190.40	98.54	214.38	152.64	1.10	SHP	6-axis
27	1129.00	25.81	150.54	61.00	1084.64	240.94	-213.68	111.38	240.97	152.47	0.84	SHP	6-axis
28	1191.00	24.78	149.88	62.00	1140.69	267.42	-236.67	124.54	267.44	152.25	1.72	SHP	6-axis
29	1253.00	25.16	149.06	62.00	1196.90	293.58	-259.21	137.83	293.58	152.00	0.83	SHP	6-axis
30	1315.00	24.18	148.48	62.00	1253.24	319.42	-281.34	151.25	319.42	151.74	1.63	SHP	6-axis

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ANADRILL SCHLUMBERGER Survey Report

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Seq Measured Incl Azimuth Course TVD Vertical Displ Displ Total At DLS Srvy Tool
# depth angle angle length depth section +N/S- +E/W- displ Azim (deg/ tool qual
- (ft) (deg) (deg) (ft) (ft) (ft) (ft) (ft) (ft) (deg) 100f) type type
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31 1378.00 23.88 146.84 63.00 1310.78 345.01 -303.02 164.97 345.01 151.44 1.16 SHP 6-axis
32 1440.00 24.17 146.47 62.00 1367.41 370.16 -324.10 178.85 370.18 151.11 0.53 SHP 6-axis
33 1502.00 24.59 145.88 62.00 1423.88 395.64 -345.36 193.09 395.68 150.79 0.78 MWD -
34 1565.00 23.19 144.91 63.00 1481.48 421.00 -366.37 207.58 421.09 150.46 2.31 SHP 6-axis
35 1658.00 21.80 145.11 93.00 1567.40 456.35 -395.52 227.98 456.52 150.04 1.50 MWD -

36 1719.00 22.28 144.94 61.00 1623.94 479.09 -414.27 241.10 479.32 149.80 0.79 SHP 6-axis
37 1748.00 22.34 145.38 29.00 1650.77 490.03 -423.31 247.39 490.30 149.70 0.61 SHP 6-axis
38 1809.00 21.14 145.23 61.00 1707.43 512.49 -441.88 260.25 512.83 149.50 1.97 SHP 6-axis
39 1871.00 19.32 146.13 62.00 1765.61 533.81 -459.59 272.34 534.22 149.35 2.98 SHP 6-axis
40 1933.00 17.27 146.24 62.00 1824.47 553.18 -475.75 283.18 553.65 149.24 3.31 SHP 6-axis

41 1995.00 15.49 147.34 62.00 1883.95 570.60 -490.38 292.76 571.12 149.16 2.91 SHP 6-axis
42 2057.00 13.59 146.04 62.00 1943.96 586.11 -503.39 301.30 586.67 149.10 3.11 SHP 6-axis
43 2117.00 11.41 144.61 60.00 2002.54 599.02 -514.08 308.67 599.63 149.02 3.67 SHP 6-axis
44 2166.00 9.33 145.30 49.00 2050.73 607.78 -521.29 313.74 608.43 148.96 4.25 SHP 6-axis
45 2207.00 7.50 145.30 41.00 2091.32 613.62 -525.88 317.54 613.62 148.54 0.34 MWD -

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Sandoval A#1B Surveys

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