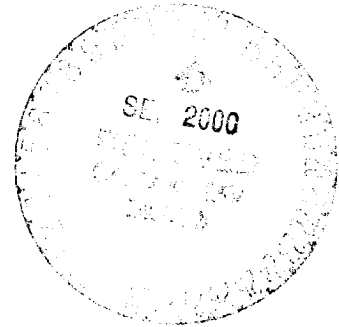


Schlumberger

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

C-35-30N-9W

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

BHL 1646/N 2523/W
[Signature]



Schlumberger

Anadrill

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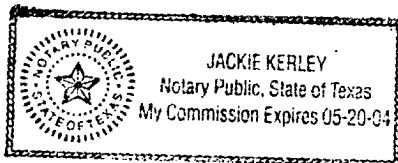
State of Texas
County of Midland

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

Jackie Kerley





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

--- Depth reference -----

Permanent datum.....: GROUND LEVEL
Depth reference.....:
GL above permanent.....: -50000.00 ft
KB above permanent.....: -50000.00 ft
DF above permanent.....: -50000.00 ft

--- Vertical section origin-----

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

--- Platform reference point-----

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

--- Geomagnetic data -----

Magnetic model.....: BGGM version 1999
Magnetic date.....: 00-Y- 0

Magnetic field strength...: 803.70 HCNT

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

Magnetic dip.....: 64.79 degrees

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

Reference G.....: 999.33 mGal

Reference H.....: 1036.00 HCNT

Reference Dip.....: 64.42 degrees

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

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

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

--- Corrections -----

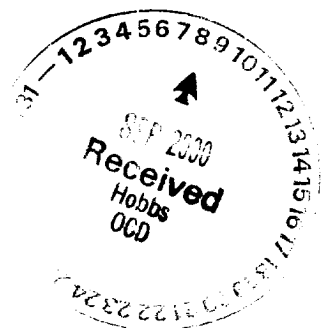
Magnetic dec (+E/W-).....: 10.50 degrees

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

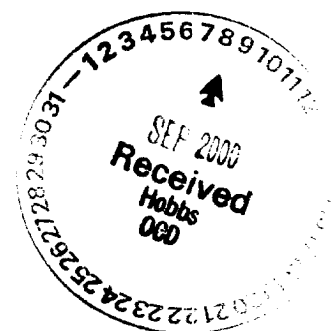
[(c)2000 Anadrill IDEAL ID6_1A_21]

ANADRILL SCHLUMBERGER Survey Report

31-May-2000 12:57:21

Page 2 of 3

=====													
=====													
Seq #	Measured depth (ft)	Incl angle (deg)	Azimuth angle (deg)	Course length (ft)	TVD depth (ft)	Vertical section (ft)	Displ +N/S- (ft)	Displ +E/W- (ft)	Displ Total (100f)	At Azim (deg)	DLS (deg)	Srvy tool	Tool qual
=====													
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



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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Page 3

beverage

