

TABULATION OF DEVIATION TESTS

AMOCO PRODUCTION COMPANY

9-32N-12W

DEPTH	DEVIATION	DEPTH	DEVIATION
135	1/4 0.6	1488	3 1/4
318	1/2 1.6	1549	2 1/4
680	1 1/4	1641	2 1/2
1009	1 1/4	1742	2 3/4
1112	1 3/4	1823	2 3/4
1202	1 3/4	1917	3
1295	1 1/2	2020	3 1/4
1389	1 1/2	2100	3 1/2
1481	1 3/4	2206	3 3/4
1572	2 1/4	2288	3 1/2
1667	2 3/4	2382	4
1759	4 3/4	2471	4 3/4
1799	5	2567	5
1842	5	2657	5
1872	5	2716	5 1/4
1935	4 1/2	2800	5 1/2
1965	5	2905	5 3/4
2036	4 3/4	3002	6
2088	4 1/2	3090	6 1/4
2161	4 1/2	3183	6 1/2
2222	5	3286	6 3/4
2273	5	3400	7 1/4
2347	5	3492	7 1/2
2370	5	3586	7 3/4
2431	5 1/2	3709	8
2504	5 1/2	3813	8 1/4
2596	6 1/4	3890	8 1/2
2678	7	3956	8 3/4
2738	8 1/2	4017	8 1/2
2810	8 1/4	4080	8 1/2
2862	8 1/4	4140	8 3/4
2922	8 1/4	4204	9
2955	10	4275	9 1/2
3057	10	4327	9 1/2
3119	11 3/4	4389	9 1/2
3212	12 1/4	4492	9 3/4
Plugback to 2439'		4547	9 3/4
2516	7 1/2	4610	9 3/4
2577	8	4690	9 3/4
2610	8	4783	10 1/4
2702	8	4876	10
2765	8 1/2	4948	10
2827	9	5031	10 1/4
2895	9	5113	10 1/2
2947	9 3/4	5268	11 3/4
3012	10	5415	11 3/4
3074	10 1/2	5575	12
Plugback to 535'		5710	12
535	1 1/4	5853	12
804	1 1/2	6018	11
907	1 1/2	6160	12
1030	1 3/4	6328	12
1123	2	6470	12
1144	1 3/4	6579	12 1/2
1237	1 3/4	6728	12 1/2
1330	2	6874	12 1/2
1391	2	7109	12 1/2

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S Stanolind Gas Com "B" No. 1, Section 9, T32N, R12W.

Signed *J. M. Spalding*
Title Admin. Supvr.

THE STATE OF NEW MEXICO))
COUNTY OF SAN JUAN) SS.

BEFORE ME, the undersigned authority, on this day personally appeared J. M. Spalding known to me to be Admin. Supvr. 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 he 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 10th day of March, 1981.

Charles J. Dixon
Notary Public

My Commission Expires: December 28, 1983



SPERRY-SUN



J. A. Fouché
President

LEASE: Stanolind B
WELL : No. 1
FIELD: Basin Dakota

27 240718

→ 3 GARDEN
4 Red Sky
15.65

W F

July 1, 1980

Amoco Production Company
501 Airport Drive
Farmington, New Mexico 87401

Copy to: A.M. Keri
Vice President
(Denver)

Gentlemen:

The enclosed film and folders contain the results of our Magnetic Multishot survey job no. MS-6558, Stanolind B lease, well no. 1, Basin Dakota field, in San Juan County, New Mexico on June 27, 1980. This survey was from a depth of 300 feet to a depth of 4662 feet.

One of these folders contains the originals of the field data sheets and computation sheets.

It has been a pleasure to perform this survey for you.

Sincerely,

SPERRY-SUN, INC.

L. M. Snow P.P. 1.003.
District Manager

LMS/kh

enclosures

DATE OF SURVEY
VERTICAL SECTION OF SURVEY
W. H. C. COMPANY

W. H. C. COMPANY

W. H. C. COMPANY

W. H. C. COMPANY

RECTANGULAR COORDINATES
EAST/WEST
NORTH/SOUTH

DEPTH	SUBSEA TVD	COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	ASSUME VERTICAL TO 300 FEET	SEV DEG/100	RECTANGULAR COORDINATES EAST/WEST	VERTICAL SECTION
300.00	300.00	0 30	N 37 W	0.00	0.70	0.00	0.00
400.00	400.00	1 5	N 48 W	0.60	1.68	0.53	0.77
499.99	499.99	1 45	N 62 W	0.75	3.03	1.49	2.06
599.99	599.99	1 30	N 57 W	0.29	4.46	3.54	4.49
699.92	699.92	1 50	N 47 W	0.44	6.26	5.99	7.31
799.97	799.97	1 55	N 47 W	0.08	8.49	8.25	10.13
899.92	899.92	1 55	N 46 W	0.03	10.79	10.65	13.25
999.75	999.75	2 0	N 43 W	0.13	13.23	13.07	15.42
1099.71	1099.71	1 30	N 53 W	0.58	15.30	15.47	18.63
1199.66	1199.66	2 0	N 50 W	0.53	16.98	17.70	21.53
1299.61	1299.61	2 30	N 46 W	0.71	19.40	20.24	25.54
1399.53	1399.53	2 30	N 43 W	0.13	22.51	23.31	29.34
1499.44	1499.44	2 30	N 61 W	0.73	25.16	26.36	33.43
1599.35	1599.35	2 55	N 66 W	0.48	27.25	29.76	37.63
1699.23	1699.23	3 0	N 58 W	0.42	29.67	33.99	41.35
1799.10	1799.10	3 15	N 61 W	0.30	32.43	38.53	47.49
1899.05	1899.05	3 30	N 63 W	0.28	35.19	43.23	52.92
1999.73	1999.73	3 45	N 63 W	0.25	38.06	48.43	58.50
2099.53	2099.53	3 45	N 61 W	0.13	41.13	54.06	65.12
2199.35	2199.35	3 55	N 61 W	0.17	44.38	59.34	71.65
2299.14	2299.14	4 15	N 53 W	0.27	47.92	65.67	79.32
2397.90	2397.90	5 0	N 56 W	0.93	52.24	71.99	88.26
2497.58	2497.58	5 5	N 66 W	0.93	56.46	78.32	98.11
2597.20	2597.20	5 5	N 64 W	0.16	60.22	85.92	101.34
2696.90	2696.90	5 45	N 69 W	0.82	63.96	94.01	110.70
2796.73	2796.73	5 55	N 66 W	0.35	67.85	102.67	120.13
2896.51	2896.51	6 5	N 63 W	0.35	72.36	112.06	130.29
2996.22	2996.22	6 45	N 66 W	0.75	77.15	121.49	140.72
3096.67	3096.67	6 55	N 72 W	0.73	81.40	131.58	151.90
3193.85	3193.85					142.67	163.75

RECORD OF SURVEY

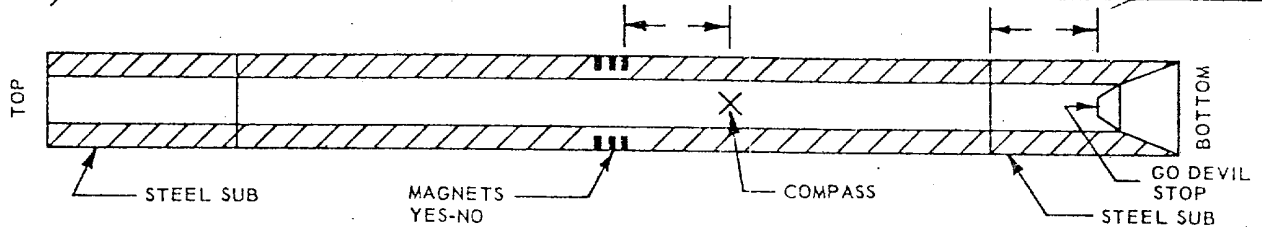
STATION	ELEVATION VERTICAL DEPTH	SUB SEA TYD	COURSE INCLINATION DEC MIN	COURSE DIRECTION DEC	DUG-LEG SEV DEC/100	TOTAL		VERTICAL SECTION
						RECTANGULAR NORTH/SOUTH	CORRINATES EAST/WEST	
100	3293.21	3293.21	7 5	N 68 W	0.52	85.57 N	154.12 W	175.38
101	3392.40	3392.40	7 30	N 66 W	0.49	90.54 N	165.80 W	193.56
102	3491.40	3491.40	6 0	N 66 W	0.50	96.02 N	173.11 W	213.04
103	3590.60	3590.60	8 30	N 61 W	0.87	102.44 N	190.04 W	216.37
104	3689.30	3689.30	8 55	N 66 W	0.86	109.17 N	204.48 W	231.40
105	3788.04	3788.04	9 0	N 68 W	0.32	115.25 N	218.81 W	247.05
106	3886.75	3886.75	9 0	N 69 W	0.16	120.99 N	233.37 W	262.66
107	3985.02	3985.02	9 0	N 68 W	0.16	126.72 N	247.92 W	278.27
108	4084.33	4084.33	9 5	N 70 W	0.33	132.35 N	262.59 W	293.95
109	4183.10	4183.10	9 15	N 70 W	0.17	137.80 N	277.55 W	309.31
110	4281.90	4281.90	9 15	N 68 W	0.32	143.55 N	292.56 W	325.34
111	4380.50	4380.50	9 15	N 72 W	0.64	149.05 N	307.56 W	341.64
112	4479.20	4479.20	9 15	N 71 W	0.16	154.15 N	322.90 W	357.31
113	4577.90	4577.90	9 15	N 69 W	0.32	159.65 N	338.01 W	373.31
114	4676.04	4676.04	9 55	N 69 W	1.08	163.35 N	347.54 W	384.11

** THE CALCULATIONS ARE BASED ON THE MINIMUM RADIUS OF CURVATURE METHOD **

HORIZONTAL DISPLACEMENT = 384.11 FEET AT NORTH 64 DEG. 50 MIN. WEST (TRUE)

SPERRY — SUN, INC.
MAGNETIC MULTISHOT FIELD DATA AND TIME SHEET NO. 1

COMPANY Humble Oil & Gas Co. JOB NO. 105-6550
 STATE Tex. COUNTY/PARISH SAN JUAN DATE 27 Jan 70
 LEASE STANLEY 13 WELL NO. 1 FIELD Basin Lake
 SURVEYED FROM _____ TO _____ FEET
 CLOCK NO. 375 FRAME NO. 427 MAGAZINE NO. 1455 COMPASS NO. 4234 CENTRALIZER Bar-J
 COMPASS SPACING 10' FROM BOTTOM/TOP _____ LENGTH OF COLLAR _____ TYPE COLLAR _____
 FILM LENGTH CALC. 37.72 MEASURED _____ FIRST FLASH 00-00 LAST FLASH 132-40
 REMARKS: open hole OPERATOR Pokins



IN RUN SURFACE TIME	MEASURED DEPTH	OUT RUN SURFACE TIME	IN RUN SURFACE TIME	MEASURED DEPTH	CUT RUN SURFACE TIME	IN RUN SURFACE TIME	MEASURED DEPTH	OUT RUN SURFACE TIME
11-29	300		01-30	900				
12-30			02-15					
13-28	400		03-10					
14-28			07-25	3000				
15-00	500		08-30					
15-45			17-30	100				
17-00	600		20-35					
18-00			21-30	00				
19-00	200		23-00	300				
19-45			23-10					
20-50	100		25-00	500				
21-20			25-55					
23-10	200		27-00	500				
24-00			27-45					
24-45	1000	120-00	28-30					
25-45		121-30	29-50					
26-10	100		31-10	700				
27-30			32-20					
28-20	200		32-10					
30-20			33-10	100				
32-10	300		33-45					
34-40	900		37-50	400	105-30			
35-40			38-40		110-10			
36-35	500		39-35					
37-20			40-45	100				
38-00			41-50	50				
39-10			41-50					
39-50	700		42-50					
40-25			44-40	200				
41-20	600		45-50	50				
42-10			46-50	5				
43-45	700		47-00					
44-45		115-50	48-15	60				
45-10	200	116-35	101-00					
46-30	100		104-15	462				
47-15			105-10					
48-05								
49-40								
50-30								
51-00								
52-00	400							
53-00								
54-30								
55-10								
56-10								
57-45								