

DATA DRILL

Division of Smith International, Inc.

REPORT of WELL COMPLETION

AMCCO PRODUCTION CO.
SHU 217
SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

RECEIVED
SEP 16 1968
OCT
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Sii DATADRIL

Division of Smith International, Inc.

AMOCO PRODUCTION CO.
SHU 217
SEC 4-T19S-R36E
LEA COUNTY, NEW MEXICO

FILE NAME: SHU217

***** RECORD OF PROPOSAL *****

RADIUS OF CURVATURE METHOD
PROPOSAL COMPUTED BY THE DATADRIL C.A.D.C.S. SYSTEM
VERTICAL SECTION PLANE: N 59.02 E

MEASURED DEPTH (FT)	COURSE LENGTH (FT)	INCL. ANGLE (DEG)	S I I F T DIRECTION (DEG)	TRUE VERTICAL DEPTH	T O T A L RECT COORDINATES (FT) (FT)	VERTICAL SECTION (FT)	DOUGLASS SEVERITY (DEG/100')
0.00	0.00	0.00	N 59.02 E	0.00	0.00 N 0.00 E	0.00	0.00
START OF BUILD #1							
1700.00	1700.00	0.00	N 59.02 E	1700.00	0.00 N 0.00 E	0.00	0.00
1800.00	100.00	1.50	N 59.02 E	1769.69	1.67 N 1.12 E	1.31	1.50
1900.00	100.00	3.00	N 59.02 E	1899.91	2.69 N 4.45 E	5.23	1.50
2000.00	100.00	4.50	N 59.02 E	1999.69	6.96 N 10.10 E	11.77	1.50
2100.00	100.00	6.00	N 59.02 E	2099.27	10.77 N 17.94 E	20.92	1.50
2200.00	100.00	7.50	N 59.02 E	2199.67	15.62 N 28.02 E	32.69	1.50
2300.00	100.00	9.00	N 59.02 E	2297.54	24.20 N 40.32 E	47.03	1.50
2400.00	100.00	10.50	N 59.02 E	2396.09	32.92 N 54.84 E	63.96	1.50
2500.00	100.00	12.00	N 59.02 E	2494.16	42.96 N 71.56 E	83.47	1.50
2600.00	100.00	13.50	N 59.02 E	2591.70	54.32 N 90.49 E	105.54	1.50
2700.00	100.00	15.00	N 59.02 E	2688.62	66.99 N 111.59 E	130.15	1.50
2800.00	100.00	16.50	N 59.02 E	2784.96	80.96 N 134.26 E	157.30	1.50
2900.00	100.00	18.00	N 59.02 E	2890.36	96.22 N 160.29 E	186.95	1.50
3000.00	100.00	19.50	N 59.02 E	2975.05	112.77 N 187.94 E	219.09	1.50
3100.00	100.00	21.00	N 59.02 E	3068.86	130.56 N 217.52 E	253.70	1.50
END OF BUILD #1...START OF HOLD SECTION							
3116.73	16.73	21.25	N 59.02 E	3084.52	133.69 N 222.71 E	259.75	1.49
TARGET LOCATION: 4300 TYD							
4420.95	1304.17	21.25	N 59.02 E	4300.00	377.00 N 628.00 E	732.47	0.00

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6 NOV 1986 @ 14:51

AMOCO PRODUCTION CO.
SHU 217
SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

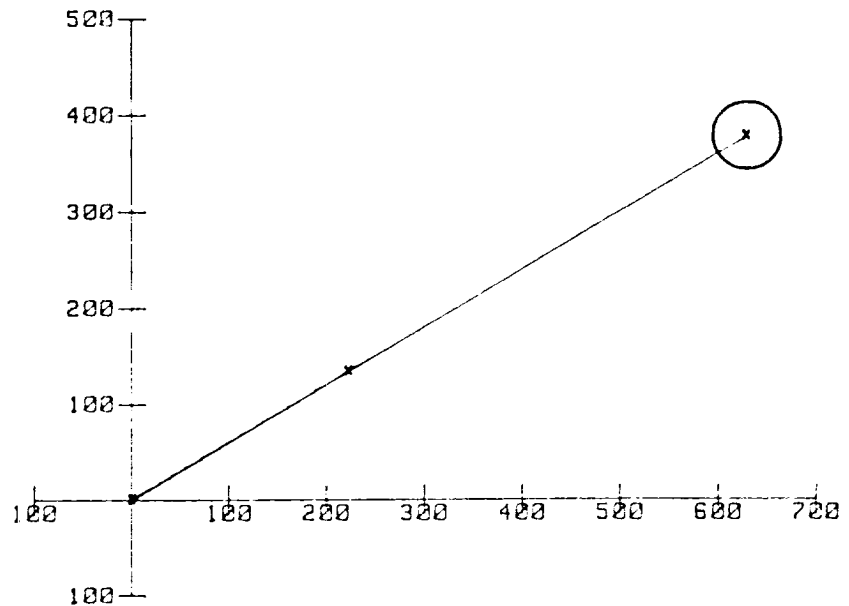
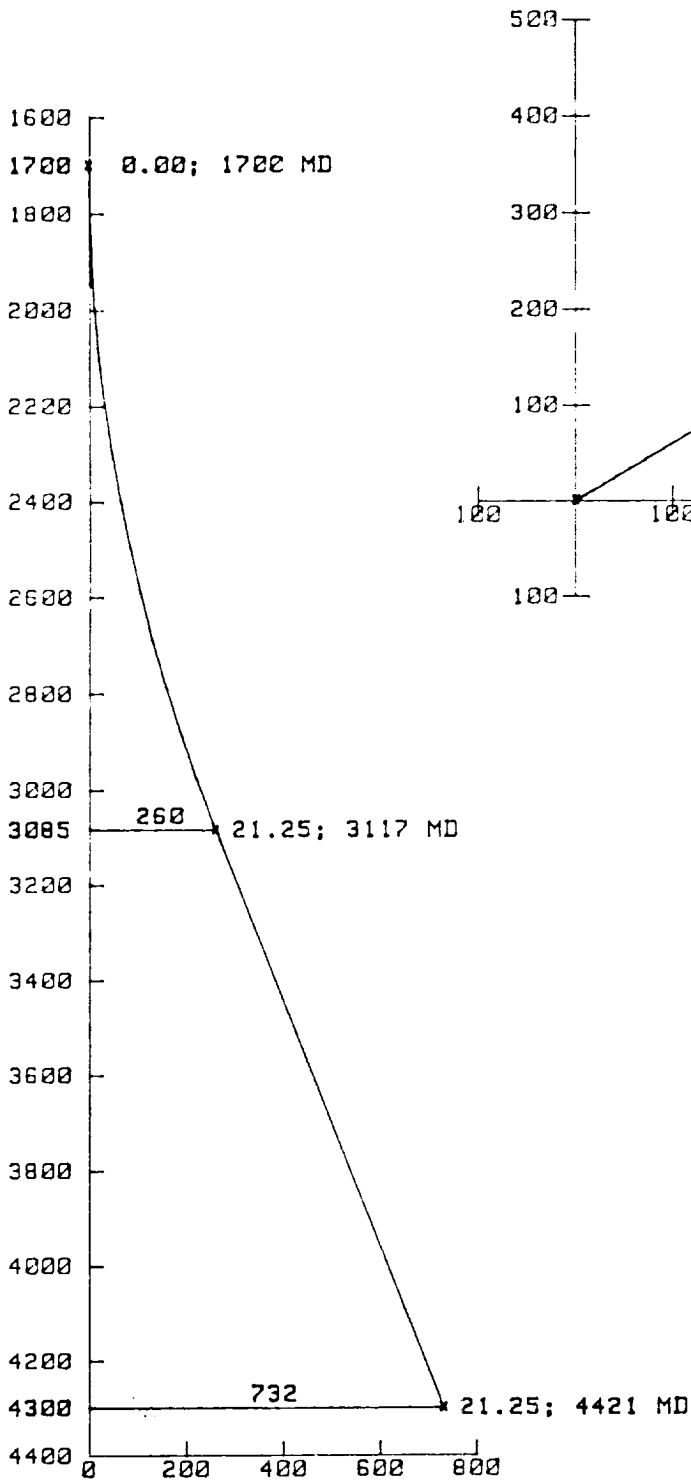


DATADRIL

Division of Smith International, Inc.

VERTICAL PLAN
SCALE: 200 FEET/DIVISION

HORIZONTAL PLAN
SCALE: 100 FEET/DIVISION



VERTICAL SECTION PLANE: N 59.02 E

Sii DATADRIL
Division of Smith International, Inc.

AMOCO PRODUCTION COMPANY
SOUTH HOSES UNIT #217
SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

File Name: SHU217MM6

***** RECORD OF SURVEY *****

Calculated by Sii DATADRIL's C.A.D.S. System

Radius of Curvature Method
All Angles are Decimal
Vertical Section Plane: N 59.02 E

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C U R V E DISTANCE (FT)	DIRECTION (DEG)	DOGLEG SEVERITY (DEG/100')
0.00	0.00	N 0.00 E	0.00	0.00	0.00 N	0.00 E	0.00	0.00	N 0.00 E	0.00
75.00	.50	S 26.00 W	75.00	75.00	.29 S	.14 W	-1.27	.33	S 26.00 W	.67
150.00	.75	S 25.10 W	55.00	130.00	.24 S	.40 W	-1.77	.93	S 25.63 W	.45
188.00	.51	S 56.00 W	53.00	187.99	1.31 S	.81 W	-1.37	1.54	S 31.84 W	.71
245.00	1.00	S 53.00 W	55.00	245.99	1.75 S	1.43 W	-2.12	2.23	S 39.14 W	.86
304.00	.75	S 60.00 W	56.00	303.98	2.10 S	2.23 W	-2.99	3.05	S 46.70 W	.82
365.00	.75	S 41.00 W	61.00	364.98	2.49 S	2.91 W	-3.73	3.83	S 49.50 W	.82
426.00	.75	S 29.00 W	61.00	425.97	3.14 S	3.37 W	-4.50	4.61	S 47.02 W	.75
487.00	.50	S 32.00 E	61.00	486.97	3.77 S	3.35 W	-4.62	5.05	S 41.61 W	1.10
548.00	.25	S 33.00 W	61.00	547.96	4.15 S	3.36 W	-5.01	5.34	S 38.94 W	.75
609.00	.25	N 55.00 W	61.00	608.96	4.20 S	3.89 W	-5.24	5.52	S 40.54 W	.59
670.00	.50	S 56.00 W	61.00	669.96	4.19 S	3.97 W	-5.56	5.77	S 43.39 W	.77
731.00	.25	N 85.00 E	61.00	730.96	4.47 S	3.97 W	-5.62	5.91	S 40.86 W	1.19
792.00	.25	S 49.00 W	61.00	791.96	4.66 S	3.79 W	-5.65	6.00	S 39.13 W	.78
853.00	.25	S 65.00 E	61.00	852.96	4.68 S	3.76 W	-5.74	6.16	S 37.62 W	.68
914.00	.50	N 70.00 E	61.00	913.96	4.90 S	3.37 W	-5.42	5.95	S 34.53 W	.62
975.00	.25	N 36.00 W	61.00	974.96	4.57 S	3.27 W	-5.16	5.63	S 35.58 W	1.01
1036.00	.50	N 63.00 E	61.00	1035.96	4.23 S	3.19 W	-4.91	5.30	S 37.01 W	.97
1097.00	.50	S 4.00 E	61.00	1096.95	4.45 S	2.80 W	-4.69	5.26	S 32.14 W	1.37
1158.00	.50	S 41.00 E	61.00	1157.95	4.94 S	2.60 W	-4.77	5.59	S 27.76 W	.52
1219.00	.25	S 56.00 E	61.00	1218.95	5.20 S	2.30 W	-4.65	5.69	S 23.86 W	.44

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Sii DATADRIL

Division of Smith International, Inc.

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT #217

SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L D S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEG SEVERITY (DEG/100')
1230.00	.50	S 52.00 E	51.00	1237.95	5.44 S	1.93 W	-4.49	5.79 S	19.99 W	.41
1341.00	.50	S 25.00 E	51.00	1340.95	5.85 S	1.85 W	-4.43	6.08 S	15.75 W	.39
1452.00	.50	S 28.00 E	51.00	1401.94	6.33 S	1.42 W	-4.48	6.49 S	12.65 W	.61
1465.00	.50	S 1.00 E	63.00	1464.94	6.66 S	1.29 W	-4.64	6.98 S	10.69 W	.34
1496.00	.50	S 6.00 E	31.00	1495.94	7.13 S	1.29 W	-4.76	7.24 S	10.15 W	.14
1546.00	.50	S 6.00 E	50.00	1545.94	7.56 S	1.23 W	-4.95	7.66 S	9.24 W	0.00
1616.00	.75	N 33.00 E	70.00	1615.93	7.70 S	.66 W	-4.53	7.73 S	4.92 W	1.69
1676.00	.75	S 16.00 W	62.00	1677.97	7.93 S	.15 W	-4.51	7.94 S	1.07 W	2.39
1746.00	2.00	N 60.00 E	63.00	1740.91	8.66 S	.79 E	-3.79	8.70 S	5.16 E	4.11
1814.00	4.00	N 46.00 E	63.00	1803.62	6.66 S	3.41 E	-4.52	7.60 S	27.02 E	3.06
1857.00	5.00	N 44.00 E	63.00	1856.65	3.19 S	6.60 E	4.09	7.60 S	65.22 E	1.61
1926.00	6.75	N 45.00 E	61.00	1927.30	1.27 N	11.28 E	10.32	11.35 N	83.60 E	2.87
1989.00	7.50	N 44.00 E	61.00	1987.30	6.66 N	16.53 E	17.65	17.87 N	68.11 E	1.25
2051.00	8.00	N 43.00 E	62.00	2049.26	12.73 N	22.74 E	25.70	26.71 N	60.33 E	.64
2114.00	9.75	N 44.00 E	63.00	2111.51	19.78 N	29.03 E	35.67	35.12 N	55.73 E	2.79
2176.00	11.00	N 42.00 E	62.00	2172.49	27.74 N	36.64 E	45.60	46.68 N	52.67 E	2.10
2236.00	12.25	N 40.00 E	63.00	2234.20	37.52 N	44.97 E	57.67	58.57 N	50.15 E	2.06
2302.00	13.00	N 40.00 E	63.00	2295.68	49.67 N	53.62 E	70.69	72.16 N	48.23 E	1.19
2365.00	14.00	N 42.00 E	62.00	2358.93	59.17 N	62.47 E	84.87	86.77 N	47.01 E	1.75
2426.00	14.75	N 41.00 E	62.00	2417.96	70.58 N	70.83 E	99.79	102.35 N	46.17 E	1.25
2490.00	15.50	N 43.00 E	62.00	2477.91	82.91 N	84.66 E	115.26	118.49 N	45.60 E	1.47
2553.00	16.00	N 44.00 E	63.00	2538.45	95.31 N	96.43 E	131.73	135.58 N	45.33 E	.90
2614.00	16.50	N 43.00 E	61.00	2597.01	107.69 N	108.18 E	148.18	152.64 N	45.13 E	.94
2677.00	17.50	N 44.00 E	63.00	2657.26	121.05 N	120.86 E	165.93	171.06 N	44.95 E	1.65
2739.00	17.75	N 44.00 E	62.00	2716.35	134.56 N	132.90 E	184.06	189.63 N	44.86 E	.40
2801.00	18.00	N 45.00 E	62.00	2775.35	148.13 N	147.24 E	202.49	208.26 N	44.83 E	.64
2863.00	19.00	N 45.00 E	62.00	2834.15	162.04 N	161.15 E	221.57	228.53 N	44.84 E	1.61
2926.00	19.50	N 45.00 E	63.00	2893.63	176.73 N	175.63 E	241.72	249.30 N	44.85 E	.79
2987.00	20.00	N 44.00 E	61.00	2951.04	191.43 N	190.23 E	261.67	269.91 N	44.83 E	.99
3050.00	20.00	N 43.00 E	63.00	3010.24	207.06 N	205.11 E	282.43	291.45 N	44.73 E	.54
3114.00	21.00	N 44.00 E	64.00	3070.18	223.32 N	220.54 E	304.03	313.96 N	44.64 E	1.66
3187.00	19.75	N 47.00 E	73.00	3138.62	241.13 N	238.67 E	328.74	339.27 N	44.71 E	2.23
3250.00	18.25	N 51.00 E	63.00	3198.16	254.58 N	254.14 E	348.93	359.72 N	44.95 E	3.15

Sii DATADRIL
Division of Smith International, Inc.

AMCOO PRODUCTION COMPANY
SOUTH HOBBS UNIT #217

SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOBLE SEVERITY (DEG/100')
3713.00	18.00	N 61.00 E	63.00	3253.06	263.50 N	270.37 E	368.48	378.53	N 45.52 E	4.55
3776.00	18.25	N 67.00 E	63.00	3317.93	274.11 N	297.38 E	387.99	397.58	N 46.41 E	2.99
3439.00	18.00	N 70.00 E	63.00	3377.80	281.30 N	306.21 E	407.32	415.80	N 47.43 E	1.50
3582.00	18.00	N 72.00 E	63.00	3437.72	287.63 N	324.52 E	428.77	433.72	N 48.46 E	.98
3585.00	18.50	N 70.00 E	63.00	3497.55	294.06 N	343.27 E	445.86	452.00	N 49.42 E	1.27
3628.00	18.50	N 76.00 E	63.00	3557.30	299.90 N	362.78 E	465.05	470.39	N 50.39 E	3.02
3681.00	19.50	N 70.00 E	63.00	3616.36	305.89 N	381.38 E	484.95	489.37	N 51.31 E	3.46
3754.00	20.25	N 74.00 E	63.00	3676.11	312.51 N	402.35 E	505.81	509.46	N 52.16 E	2.46
3817.00	21.00	N 70.00 E	63.00	3735.07	318.37 N	423.45 E	527.43	530.78	N 52.98 E	2.57
3880.00	21.25	N 71.00 E	63.00	3797.64	325.34 N	444.35 E	549.68	552.18	N 53.69 E	.70
3943.00	22.00	N 72.00 E	63.00	3852.40	334.31 N	466.37 E	572.75	574.22	N 54.08 E	1.70
4006.00	22.00	N 69.00 E	63.00	3910.62	342.19 N	489.11 E	595.48	596.92	N 55.02 E	1.78
4069.00	21.25	N 70.00 E	63.00	3969.38	350.32 N	510.35 E	618.31	619.44	N 55.56 E	1.70
4132.00	20.50	N 69.00 E	63.00	4028.25	358.13 N	531.69 E	640.78	641.25	N 56.04 E	1.00
4195.00	20.75	N 74.00 E	63.00	4087.21	365.22 N	552.30 E	662.04	662.86	N 56.35 E	2.32
4258.00	20.50	N 71.00 E	63.00	4146.17	371.69 N	574.07 E	683.62	684.02	N 57.16 E	1.70
4321.00	20.75	N 72.00 E	63.00	4205.17	378.93 N	595.17 E	705.29	705.53	N 57.51 E	.99
4384.00	20.75	N 72.00 E	63.00	4264.04	385.63 N	616.38 E	727.04	727.16	N 57.95 E	0.00
4427.00	20.75	N 72.00 E	63.00	4304.26	390.54 N	630.85 E	741.68	741.95	N 58.24 E	0.00

BOTTOM HOLE CLOSURE: 741.95 Feet at N 58.24 Degrees E

AMOCO PRODUCTION COMPANY
 SOUTH HOBBS UNIT #217
 SEC 4-T19S-R38E
 LEA COUNTY, NEW MEXICO

6 NOV 1986 @ 15:39



DATADRIL

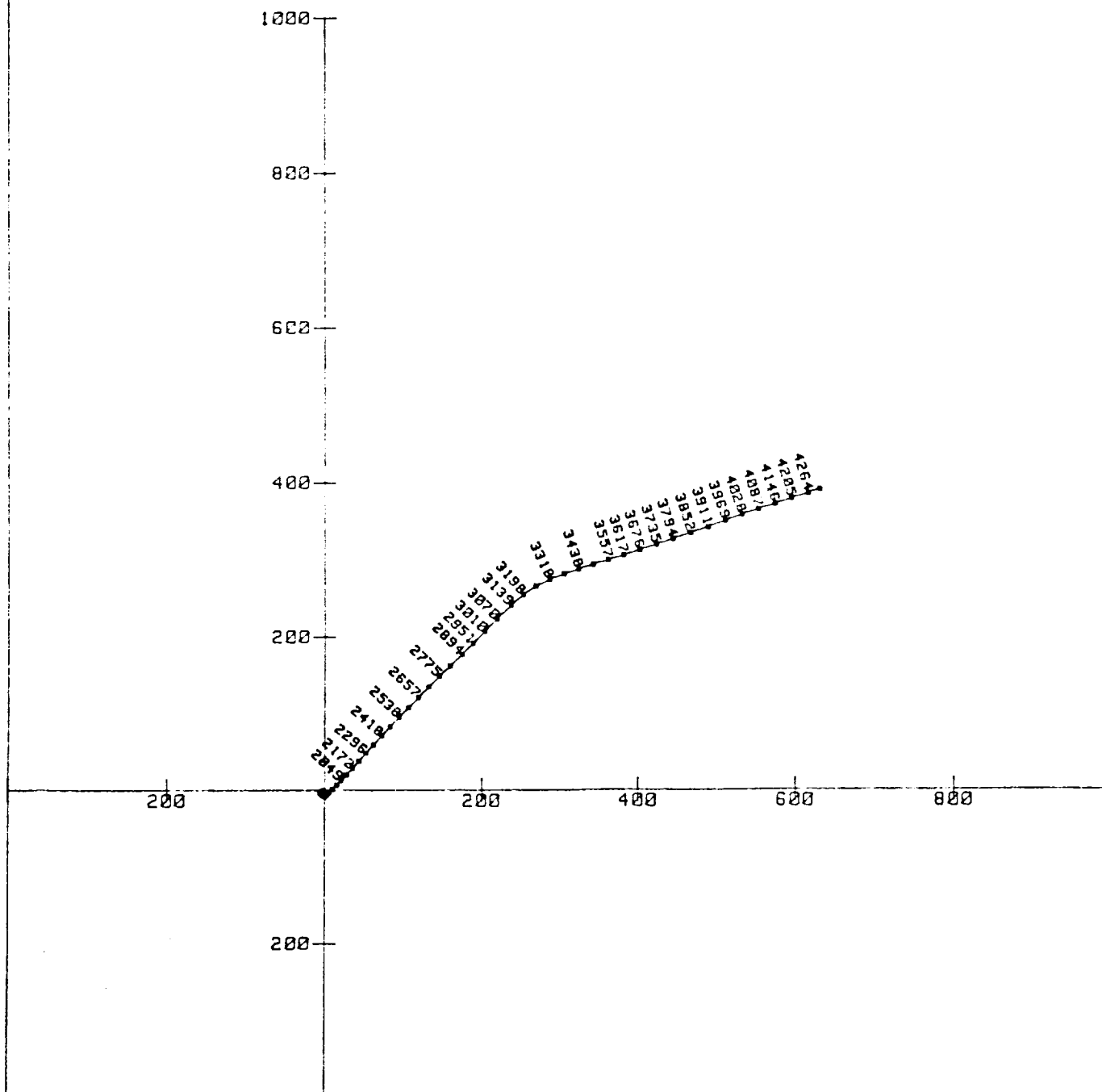
Division of Smith International, Inc.

HORIZONTAL PLOT



SCALE: 200 FEET/INCH

BHL: 742 FEET
 @ N 58.24 E
 TVD: 4304 FEET
 MD: 4427 FEET



AMOCO PRODUCTION COMPANY
 SOUTH HOBBS UNIT #217
 SEC 4-T19S-R38E
 LEA COUNTY, NEW MEXICO

6 NOV 1986 @ 15:50

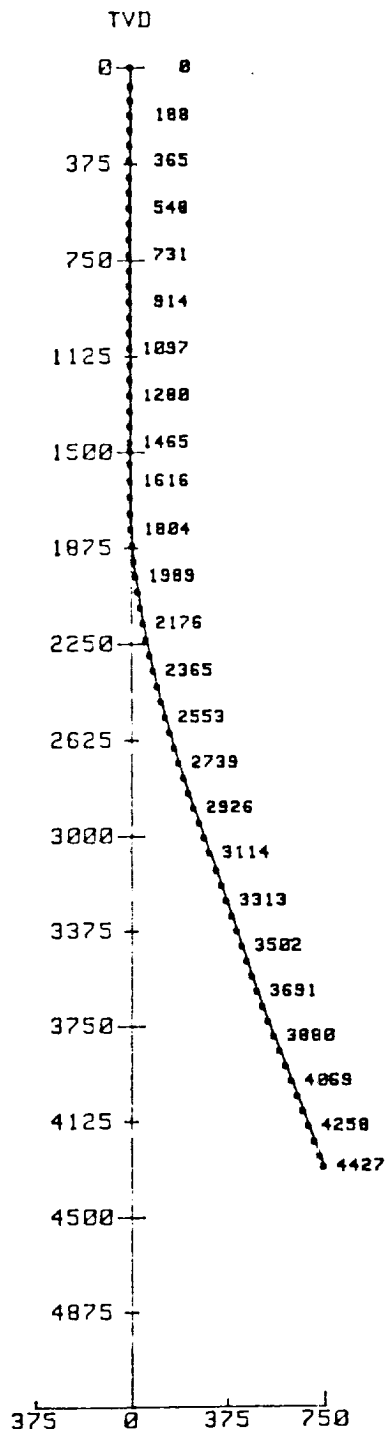


DATADRIL

Division of Smith International, Inc.

VERTICAL PLOT

SCALE: 750 FEET/INCH



BHL: 742 FEET
 @ N 58.24 E
 TVD: 4304 FEET
 MD: 4427 FEET

VERTICAL SECTION
 SECTION PLANE: N 59.02 E

Sii DATADRIL
Division of Smith International, Inc.

AMOCO PRODUCTION COMPANY
SOUTH HOEBS UNIT #217
SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

File Name: SHU217MMG

***** INTERPOLATED XTRAPOLATED SURVEY *****

Calculated by S. Datadril's C.A.D.D.S. System

All Values are Decimal
Vertical Section Plane: N 59.02 E

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L ANGULAR COORDINATES (FT)	VERTICAL SECTION (FT)	C L O S U R E DISTANCE (FT)	DIRECTION (DEG)	LOGS SEVERITY (DEG/100')
1700.00	1.19	S 31.86 E	0.00	1700.00	3.19 S 1.19 E	-4.06	3.19 S 1.23 E		0.00

!!! THE ABOVE STATIONS ARE INTERPOLATED/EXTRAPOLATED DATA ONLY !!!

Sii DATADRIL

Division of Smith International, Inc.

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT #217
SEC 4-T195-R38E
LEA COUNTY, NEW MEXICO

File Name: SHU217MMS

*** RECORD OF SURVEY ***

Calculated by Sii DATADRIL's C.A.D.C.S. System

Radius of Curvature Method
All Angles are Decimal
Vertical Section Plane: N 59.12 E

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C U R V E DISTANCE (FT)	D I R E C T I O N (DEG)	DOGSLEG ELEVATION (DEG.100')
1700.00	1.19	S 31.66 E	0.00	1700.00	8.19 S	1.19 E	-4.06	8.19	S 1.26 E	0.00
1741.00	2.00	N 60.00 E	40.00	1740.90	6.44 S	1.19 E	-3.34	8.52	S 7.94 E	5.61
1804.00	4.00	N 46.00 E	60.00	1803.81	6.46 S	2.80 E	-1.06	7.50	S 30.49 E	3.36
1867.00	5.00	N 44.00 E	63.00	1866.62	2.97 S	7.10 E	4.00	7.68	S 67.87 E	1.61
1926.00	6.75	N 45.00 E	61.00	1927.36	1.49 N	11.66 E	10.07	11.77	N 62.75 E	2.87
1989.00	7.50	N 44.00 E	61.00	1987.87	6.88 N	16.99 E	18.10	18.32	N 67.94 E	1.25
2051.00	8.00	N 43.00 E	62.00	2049.26	12.95 N	22.03 E	26.15	26.15	N 60.34 E	.94
2114.00	9.75	N 44.00 E	63.00	2111.50	20.00 N	29.41 E	35.52	35.53	N 55.60 E	2.79
2176.00	11.00	N 42.00 E	62.00	2172.49	28.16 N	37.04 E	46.25	46.53	N 52.75 E	2.10
2239.00	12.25	N 40.00 E	63.00	2234.19	37.74 N	46.37 E	59.32	59.01	N 50.24 E	2.08
2302.00	13.00	N 40.00 E	63.00	2295.67	48.29 N	54.22 E	71.34	72.60	N 48.31 E	1.19
2365.00	14.00	N 42.00 E	63.00	2356.93	59.39 N	63.87 E	85.32	87.21	N 47.08 E	1.75
2428.00	14.75	N 41.00 E	63.00	2417.96	71.10 N	74.23 E	100.34	102.79	N 46.23 E	1.25
2490.00	15.50	N 43.00 E	62.00	2477.81	83.12 N	85.05 E	115.71	118.93	N 45.66 E	1.47
2553.00	16.00	N 44.00 E	63.00	2538.44	95.53 N	96.82 E	132.18	136.02	N 45.39 E	.90
2614.00	16.50	N 43.00 E	61.00	2597.00	107.91 N	108.57 E	148.63	153.08	N 45.18 E	.94
2677.00	17.50	N 44.00 E	63.00	2657.25	121.27 N	121.25 E	166.38	171.49	N 45.00 E	1.65
2739.00	17.75	N 44.00 E	62.00	2716.34	134.78 N	134.29 E	184.51	190.26	N 44.90 E	.40
2801.00	18.00	N 45.00 E	62.00	2775.35	148.35 N	147.63 E	202.93	209.29	N 44.86 E	.64
2863.00	19.00	N 45.00 E	62.00	2834.14	162.26 N	161.54 E	222.02	228.96	N 44.87 E	1.61
2926.00	19.50	N 45.00 E	63.00	2893.62	176.95 N	176.23 E	242.17	249.73	N 44.88 E	.79

Sii DATADRIL
Division of Smith International, Inc.

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT #217

SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOUBLE SEVERITY (DEG/100')
2987.00	20.00	N 44.00 E	61.00	2981.03	191.65 N	190.68 E	262.13	270.33	N 44.33 E	1.49
3050.00	20.00	N 43.00 E	63.00	3010.23	207.29 N	205.51 E	282.69	291.69	N 44.75 E	1.54
3114.00	21.00	N 44.00 E	64.00	3070.19	223.54 N	220.94 E	304.48	314.29	N 44.67 E	1.86
3167.00	19.75	N 47.00 E	70.00	3179.61	241.35 N	239.06 E	329.19	339.70	N 44.73 E	2.23
3250.00	19.25	N 51.00 E	63.00	3198.18	254.90 N	254.54 E	349.33	360.16	N 44.97 E	3.15
3317.00	19.00	N 61.00 E	63.00	3259.35	265.75 N	270.77 E	368.93	379.39	N 45.54 E	4.95
3376.00	19.25	N 67.00 E	63.00	3317.92	274.33 N	289.37 E	388.45	399.00	N 45.43 E	5.99
3439.00	18.00	N 70.70 E	63.00	3377.80	281.52 N	306.81 E	407.77	416.24	N 47.44 E	1.53
3502.00	18.00	N 72.00 E	63.00	3437.71	287.35 N	325.01 E	426.62	434.16	N 48.47 E	1.98
3565.00	18.50	N 70.00 E	63.00	3497.55	294.08 N	343.67 E	446.12	452.44	N 49.43 E	1.27
3629.00	18.50	N 78.00 E	63.00	3557.09	300.12 N	362.77 E	465.81	470.80	N 50.40 E	3.00
3691.00	19.50	N 70.00 E	63.00	3616.86	306.11 N	382.38 E	485.40	489.81	N 51.32 E	3.48
3754.00	20.25	N 74.00 E	63.00	3676.10	312.73 N	402.75 E	506.27	509.50	N 52.17 E	2.46
3817.00	21.00	N 70.00 E	63.00	3735.37	319.59 N	423.85 E	527.89	530.80	N 52.98 E	2.53
3880.00	21.25	N 71.00 E	63.00	3792.63	327.16 N	445.25 E	550.14	552.32	N 53.69 E	1.70
3943.00	22.00	N 72.00 E	63.00	3852.40	334.53 N	467.27 E	572.61	574.67	N 54.40 E	1.73
4006.00	22.00	N 69.00 E	63.00	3910.61	342.41 N	489.51 E	595.93	597.78	N 55.07 E	1.75
4069.00	21.25	N 70.00 E	63.00	3969.37	351.54 N	511.26 E	618.76	619.89	N 55.56 E	1.73
4132.00	20.50	N 69.00 E	63.00	4026.24	359.40 N	532.23 E	640.83	641.70	N 56.05 E	1.30
4195.00	20.75	N 74.00 E	63.00	4087.20	365.44 N	553.02 E	662.50	663.11	N 56.56 E	2.81
4253.00	20.50	N 71.00 E	63.00	4146.16	372.11 N	574.48 E	684.97	684.47	N 57.07 E	1.70
4321.00	20.75	N 72.00 E	63.00	4205.13	379.15 N	595.53 E	705.74	705.99	N 57.52 E	1.69
4384.00	20.75	N 72.00 E	63.00	4264.04	386.05 N	616.76 E	727.49	727.62	N 57.96 E	0.00
4427.00	20.75	N 72.00 E	43.00	4304.25	390.76 N	631.25 E	742.34	742.40	N 58.24 E	0.00

BOTTOM HOLE CLOSURE: 742.40 Feet at N 58.24 Degrees E

6 NOV 1986 @ 15:34

AMOCO PRODUCTION CO.
SHU 217
SEC 4-T19S-R38E
LEA COUNTY, NEW MEXICO

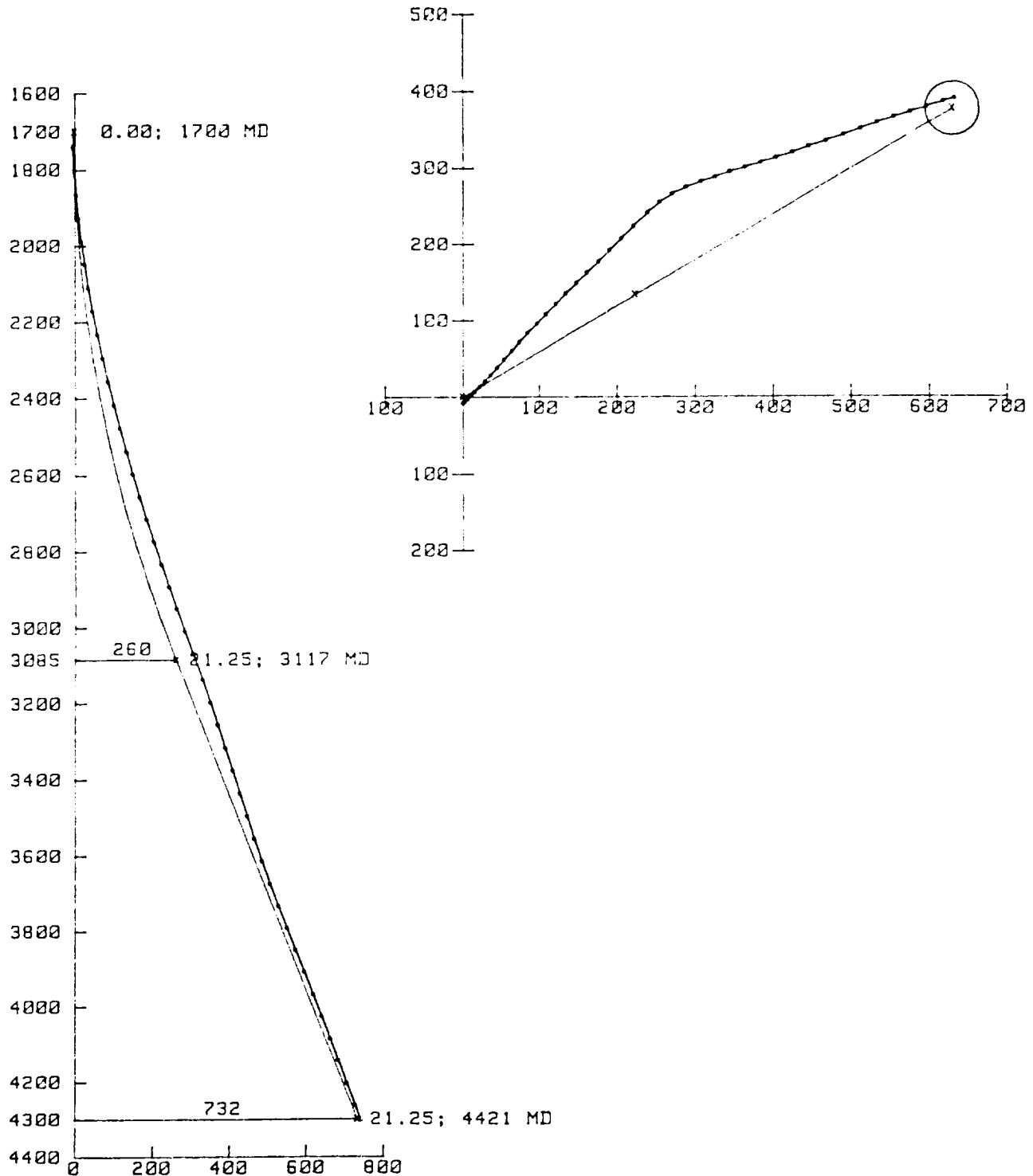


DATADRIL

Division of Smith International, Inc.

VERTICAL PLANE
SCALE: 200 FEET/DIVISION

HORIZONTAL PLANE
SCALE: 100 FEET/DIVISION



VERTICAL SECTION PLANE: N 59.02 E