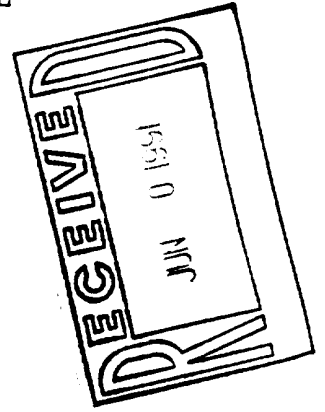


1 Robert Dodson 18. 1912 WCI
2. Well FILE

SCIENTIFIC DRILLING INTERNATIONAL
MIDLAND, TEXAS

AMOCO PRODUCTION COMPANY



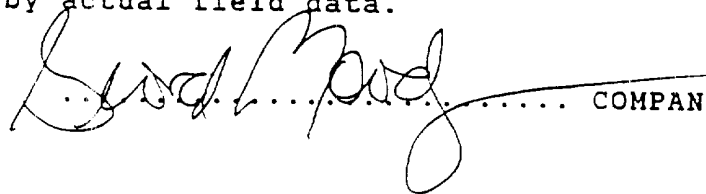
Well Name : AMOCO/SOUTH HOBBS UNIT #225
Location : LEA COUNTY, NEW MEXICO
:
:
Date Surveyed : 6/5/91
Job No. : 32M0691117
: DOUG JEFFERS

SURFACE LOCATION: 647' FSL x 541' FWL, SEC. 34, T18S, R38E

DEPARTURE ⇒ 35.76' N & 535.95' W

BOTTOMHOLE LOCATION: 682.8' FSL x 5.1' FWL, SEC. 34, T18S, R38E

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

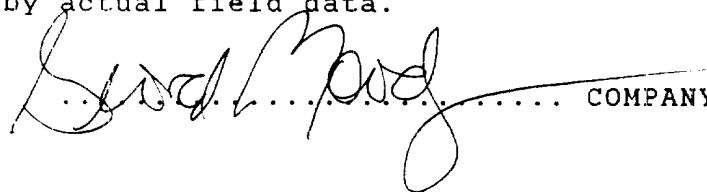

..... COMPANY REPRESENTATIVE

SCIENTIFIC DRILLING INTERNATIONAL
MIDLAND, TEXAS

AMOCO PRODUCTION COMPANY

Well Name : AMOCO/SOUTH HOBBS UNIT #225
Location : LEA COUNTY, NEW MEXICO
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Date Surveyed : 6/5/91
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: DOUG JEFFERS

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

..... COMPANY REPRESENTATIVE

B4L 683/A 5/2 Sec 34-18-38

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JUN 21 1991

HOSEA OFFICE

SCIENTIFIC DRILLING INTERNATIONAL

: AMOCO PRODUCTION COMPANY
 Well Name : AMOCO/SOUTH HOBBS UNIT #225
 Location : LEA COUNTY, NEW MEXICO

Page 1 of 2
 Date 6/5/91
 Filename : SHU#225

No Interpolation

MD	INC	DIR	TVD	+N/-S	+E/-W	VS	D'LEG
ft	deg	deg	ft	ft	ft	ft	°/100
0	0.00 N	0.00°E	0.00	0.00	0.00	0.00	0.0
100	0.08 N20.15°	W	100.00	0.07	-0.02	0.00	0.1
200	0.25 S45.19°	E	200.00	-0.02	0.11	-0.11	0.3
300	0.40 S75.78°	E	300.00	-0.26	0.60	-0.61	0.2
400	0.28 S84.82°	E	400.00	-0.37	1.18	-1.19	0.1
500	0.58 S62.20°	E	499.99	-0.63	1.87	-1.89	0.3
600	0.47 S46.95°	E	599.99	-1.14	2.62	-2.65	0.2
700	0.43 S81.07°	E	699.99	-1.48	3.29	-3.32	0.3
800	0.52 S65.37°	E	799.98	-1.73	4.07	-4.11	0.2
900	0.36 S53.47°	E	899.98	-2.11	4.74	-4.79	0.2
1000	0.40 S88.94°	E	999.98	-2.30	5.34	-5.39	0.2
1100	0.49 S70.60°	E	1099.97	-2.45	6.09	-6.15	0.2
1200	0.50 S58.66°	E	1199.97	-2.82	6.87	-6.93	0.1
1300	0.58 S71.26°	E	1299.97	-3.21	7.72	-7.79	0.1
1400	0.54 S50.61°	E	1399.96	-3.67	8.56	-8.65	0.2
1500	0.55 S54.74°	E	1499.96	-4.24	9.32	-9.42	0.0
1554	0.35 S42.50°	E	1553.96	-4.52	9.64	-9.75	0.4
1680	1.00 S35.00°	E	1679.95	-5.70	10.53	-10.66	0.5
1749	0.74 S31.20°	E	1748.94	-6.57	11.11	-11.26	0.4
1840	1.33 S77.04°	W	1839.93	-7.31	10.38	-10.55	1.9
1932	4.84 N87.73°	W	1931.78	-7.40	5.46	-5.64	3.9
2024	7.03 N82.65°	W	2023.29	-6.53	-4.00	3.84	2.4
2116	7.42 N82.40°	W	2114.55	-5.02	-15.47	15.35	0.4
2208	8.29 N81.36°	W	2205.69	-3.24	-27.92	27.83	1.0
2300	9.17 N80.25°	W	2296.62	-1.00	-41.70	41.66	1.0
2392	10.02 N80.45°	W	2387.33	1.57	-56.82	56.84	0.9
2484	11.17 N77.60°	W	2477.77	4.81	-73.41	73.51	1.4
2576	12.29 N77.44°	W	2567.84	8.85	-91.67	91.86	1.2
2668	12.68 N76.30°	W	2657.67	13.38	-111.04	111.33	0.5
2760	13.22 N75.99°	W	2747.33	18.31	-131.06	131.45	0.6
2852	14.01 N72.70°	W	2836.74	24.17	-151.90	152.43	1.2
2944	14.47 N74.06°	W	2925.92	30.64	-173.58	174.26	0.6
3036	15.20 N71.73°	W	3014.85	37.58	-196.09	196.92	1.0
3128	15.74 N71.93°	W	3103.52	45.23	-219.40	220.41	0.6
3219	15.99 N72.33°	W	3191.05	52.86	-243.08	244.26	0.3
3311	16.26 N72.13°	W	3279.43	60.66	-267.41	268.77	0.3
3403	16.16 N72.29°	W	3367.77	68.51	-291.87	293.40	0.1
3495	13.11 N82.87°	W	3456.79	73.70	-314.43	316.08	4.4
3587	11.27 S82.23°	W	3546.74	73.78	-333.69	335.34	3.9
3679	13.07 S82.94°	W	3636.67	71.29	-352.93	354.51	2.0

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UNIVERSITY OF MICHIGAN

SCIENTIFIC DRILLING INTERNATIONAL

Well Name : AMOCO PRODUCTION COMPANY
 Location : AMOCO/SOUTH HOBBS UNIT #225
 : LEA COUNTY, NEW MEXICO
 :
 :

Page 2 of 2
 Date 6/5/91
 Filename : SHU#225

No Interpolation

MD	INC	DIR	TVD	+N/-S	+E/-W	VS	D'LEG
ft	deg	deg	ft	ft	ft	ft	°/100
3771	14.43	S76.81°W	3726.03	67.39	-374.41	375.90	2.2
3863	15.46	S76.44°W	3814.92	61.90	-397.49	398.84	1.1
3955	15.12	S78.27°W	3903.66	56.59	-421.16	422.38	0.6
4047	15.55	S79.58°W	3992.39	51.92	-445.04	446.14	0.6
4139	15.69	S79.81°W	4080.99	47.48	-469.41	470.40	0.2
4231	16.13	S79.36°W	4169.46	42.92	-494.21	495.09	0.5
4323	17.20	S80.64°W	4257.60	38.35	-520.20	520.96	1.2
4377	17.20	S80.64°W	4309.19	35.76	-535.95	536.65	0.0

Origin of Bottom Hole Closure PLATFORM CENTRE
 Bottom Hole Closure 537 ft N86.18°W



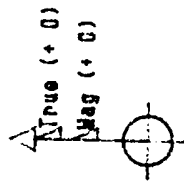
SCIENTIFIC DRILLING INTERNATIONAL

FOR

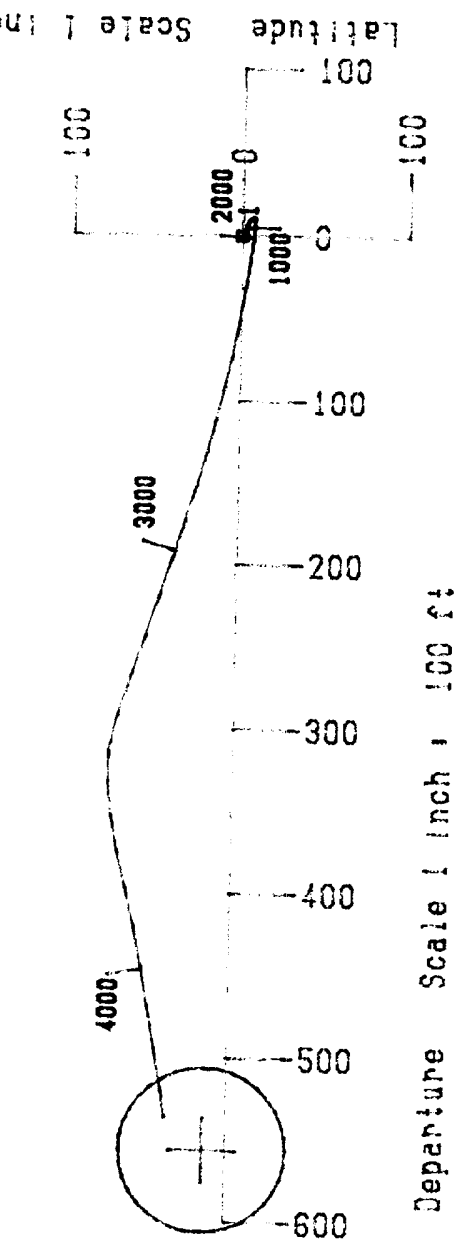
AMCO PRODUCTION COMPANY
SOUTH HOBBS UNIT #225

IN

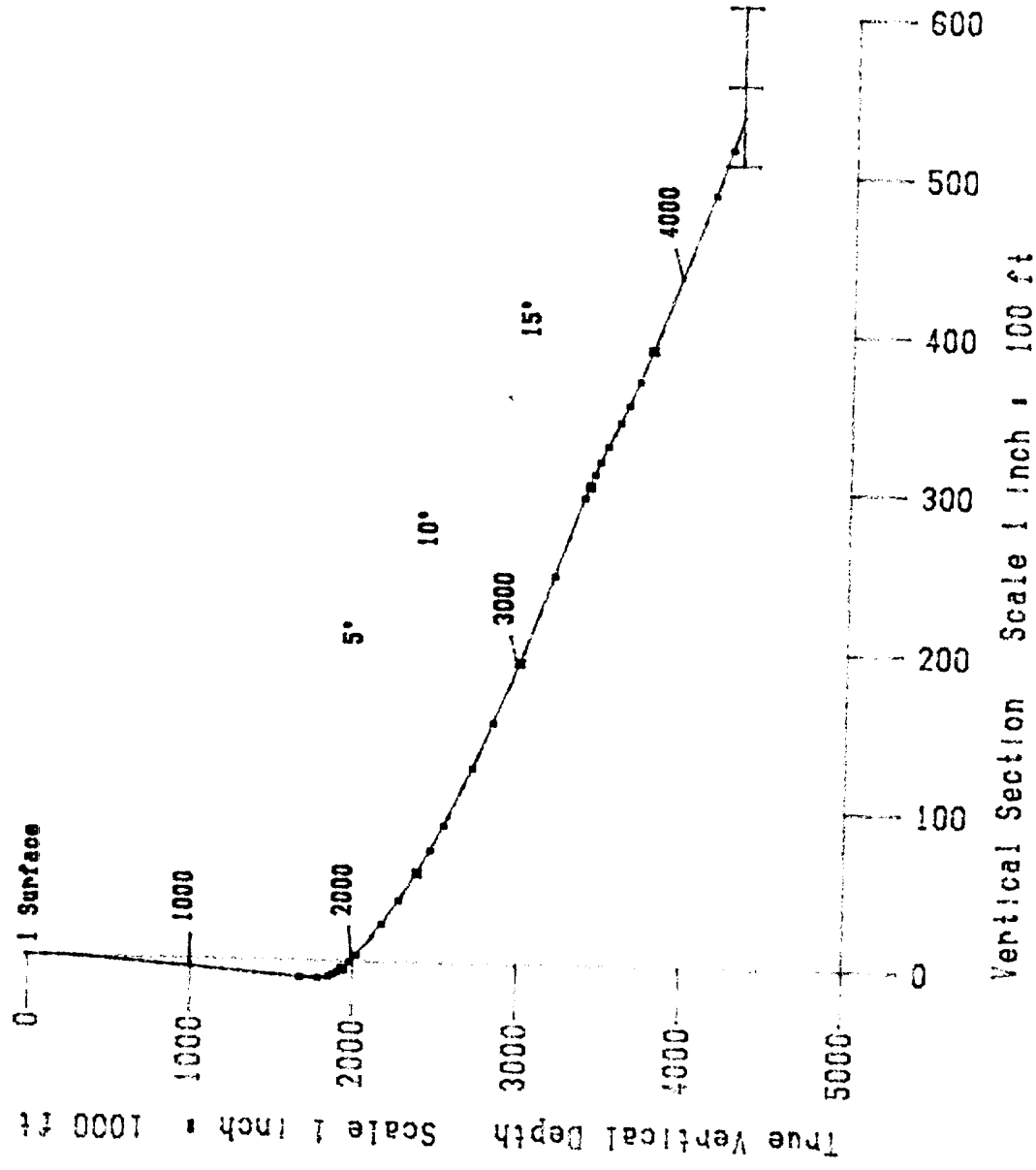
LEA COUNTY, NEW MEXICO



Latitude Scale 1 inch = 100 ft



Departure Scale 1 inch = 100 ft



Vertical Section Scale 1 inch = 100 ft

PLANE OF VERT SECTn N88 39W