

SPERRY-SUN



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MAY 2 1975

O. C. C.
ARTESIA, OFFICE

J. A. Fouché
President

P.O. Box 2133
Odessa, Texas
Jan. 8, 1975

Cities Service Oil Co.
P.O. Box 1919
Midland, Texas 79701

Gentlemen:

The enclosed film and five folders show the results of our Magnetic Multishot Survey, Job No. MS-6058, on the Tracy "B" Com Lease, Well No. 1, in the South Carlsbad Field, Eddy County, New Mexico on Jan. 6, 1975. This survey was ran from a depth of 1,835 feet to a depth of 7,432 feet and has been tied into our Job No. SU3-6039 at a depth of 1,835 feet.

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

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

Very truly yours,

SPERRY SUN

Glenn A. Belote
District Manager

GB/jm
Enclosures

SPERRY-SUN

DIRECTIONAL SURVEY REPORT

FOR

CITIES SERVICE OIL CO.



TYPE OF SURVEY: MAGNETIC MULTISHOT

SURVEY DEPTH: FROM 1,835 FT. TO 7,432 FT.

LEASE: TRACY "B" COM WELL NO. 1

FIELD: SOUTH CARLSBAD

COUNTY/PARISH EDDY STATE NEW MEXICO

DATE OF SURVEY JAN. 6, 1975 JOB NO. MS-6058

OFFICE: ODESSA, TEXAS 563-1106

CITIES SERVICE OIL COMPANY
 RACY 434, NO. 1
 SOUTH CARLSEAD
 ODY COUNTY, NEW MEXICO
 MAGNETIC MULTISHOT

DATE OF SURVEY JANUARY 0 1975
 VERTICAL SECTION DIRECTION CLOSURE

PAGE 1

MS-6058

SPERRY-SUN RECORD OF SURVEY											
MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE INCLINATION DEG MIN	COURSE		300-LEG SEV DEG/100	RECTANGULAR NORTH/SOUTH	COORDINATES		VERTICAL SECTION	
				DIRECTION DEG	FEET, SU3-6039			EAST/WEST	SECTION		
1835	1834.67	1834.67	1 30	N 67 E		.26	8.22 N	31.29 E		29.42	
1916	1915.64	1915.64	1 45	N 76 E		.38	9.05 N	33.24 E		31.46	
2009	2008.60	2008.60	1 30	N 64 E		.45	9.74 N	36.00 E		34.03	
2103	2102.57	2102.57	1 15	N 70 E		.31	10.81 N	38.21 E		36.42	
2196	2195.54	2195.54	1 15	N 70 E			11.51 N	40.12 E		38.34	
2290	2239.52	2289.52	1 15	N 69 E		.02	12.24 N	42.03 E		40.28	
2383	2382.49	2382.49	1 30	N 61 E		.34	13.42 N	44.16 E		42.68	
2477	2476.46	2476.46	1 30	N 73 E		.33	14.14 N	46.51 E		44.96	
2570	2569.41	2569.41	1 45	N 74 E		.27	14.93 N	49.24 E		47.57	
2664	2663.38	2663.38	1 30	N 65 E		.38	15.97 N	51.47 E		49.95	
2757	2756.34	2756.34	1 45	N 78 E		.48	16.56 N	54.25 E		52.47	
2851	2850.31	2850.31	1 30	N 57 E		.68	17.90 N	56.31 E		54.92	
2944	2943.27	2943.27	1 30	N 61 E		.11	19.08 N	58.44 E		57.32	
3033	3037.25	3037.25	1 15	N 82 E		.59	19.36 N	60.47 E		59.07	
3131	3130.23	3130.23	1 15	N 68 E		.33	20.12 N	62.36 E		61.01	
3225	3224.20	3224.20	1 30	N 74 E		.31	20.80 N	64.72 E		63.27	
3318	3317.18	3317.18	1 15	N 88 E		.45	20.87 N	66.75 E		64.88	
3412	3411.17	3411.17	0 45	S 86 E		.54	20.73 N	67.38 E		65.78	
3505	3504.15	3504.15	1 15	N 86 E		.56	20.93 N	70.00 E		67.47	
3599	3598.12	3598.12	1 15	N 82 E		.09	21.21 N	72.03 E		69.18	
3692	3691.12	3691.12	0 45	N 71 E		.57	21.61 N	73.18 E		70.33	
3786	3785.11	3785.11	0 45	S 89 E		.28	21.59 N	74.41 E		71.26	
3879	3878.10	3878.10	0 45	S 85 E		.06	21.48 N	75.62 E		72.14	
3973	3972.08	3972.08	1 0	N 62 E		.59	22.25 N	77.07 E		73.75	
4066	4065.07	4065.07	1 0	N 83 E		.39	22.45 N	78.68 E		75.12	
4160	4159.06	4159.06	1 0	S 89 E		.15	22.42 N	80.32 E		76.37	
4253	4252.05	4252.05	0 45	N 76 E		.36	22.71 N	81.50 E		77.47	
4347	4346.04	4346.04	0 30	N 36 E		.29	22.77 N	82.32 E		78.14	
4440	4439.04	4439.04	0 45	N 90 E		.27	22.77 N	83.54 E		79.08	
4534	4533.03	4533.03	0 45	N 85 E		.07	22.88 N	84.77 E		80.10	

CITIES SERVICE OIL COMPANY
 TRACY 424,000.1
 SOUTH CARLSBAD
 EDDY COUNTY, NEW MEXICO
 MAGNETIC MULTISHOT

DATE OF SURVEY JANUARY 01, 1975
 VERTICAL SECTION DIRECTION CLOSURE

2. 'GE
 MS-6058

SPERRY-SUN

RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE		DIRECTION DEG	DOG-LEG SEV DEG/100	RECTANGULAR NORTH/SOUTH	TOTAL COORDINATES EAST/WEST	VERTICAL SECTION
			INCLINATION DEG MIN	COURSE					
4627	4626.03	4626.03	0 15	S	69	.58	22.73 N	85.14 E	80.30
4721	4720.02	4720.02	0 30	S	69	.27	22.44 N	85.91 E	80.71
4814	4813.02	4813.02	0 15	S	59	.26	22.23 N	86.26 E	80.84
4903	4907.02	4907.02	0 15	N	81	.18	22.29 N	86.66 E	81.20
5001	5000.01	5000.01	1 0	S	69	.81	22.27 N	88.29 E	82.44
5095	5094.00	5094.00	0 45	S	85	.27	22.16 N	89.51 E	83.32
5188	5187.00	5187.00	0 30	N	90	.27	22.16 N	90.32 E	83.94
5282	5281.00	5281.00	0 0	N	0	.53	22.16 N	90.32 E	83.94
5375	5374.00	5374.00	0 0	N	0	.00	22.16 N	90.32 E	83.94
5453	5458.00	5458.00	0 0	N	0	.00	22.16 N	90.32 E	83.94
5562	5560.99	5560.99	0 30	N	39	.54	22.79 N	89.81 E	83.95
5656	5654.99	5654.99	0 30	N	54	.14	23.27 N	89.15 E	83.74
5749	5747.98	5747.98	0 45	N	68	.31	23.73 N	88.02 E	83.16
5843	5841.97	5841.97	1 0	N	81	.34	23.98 N	86.40 E	82.08
5936	5934.94	5934.94	1 15	S	86	.38	23.84 N	84.38 E	80.41
6030	6028.90	6028.90	1 45	N	75	.74	24.59 N	81.60 E	78.73
6123	6121.84	6121.84	2 0	N	72	.29	25.59 N	78.52 E	76.98
6217	6215.79	6215.79	2 0	N	68	.15	26.82 N	75.46 E	75.40
6310	6308.73	6308.73	2 0	N	63	.04	27.93 N	72.45 E	73.7
6404	6402.69	6402.69	1 45	N	65	.30	29.19 N	69.84 E	72.55
6497	6495.64	6495.64	1 45	N	73	.26	30.02 N	67.13 E	70.97
6591	6589.59	6589.59	2 0	N	77	.30	30.76 N	63.93 E	68.90
6684	6682.54	6682.54	1 45	N	74	.29	31.55 N	61.20 E	67.34
6778	6776.48	6776.48	2 0	N	70	.30	32.67 N	58.12 E	65.67
6871	6869.44	6869.44	1 45	N	77	.36	33.31 N	55.35 E	63.93
6965	6963.41	6963.41	1 30	N	75	.27	33.94 N	52.97 E	62.49
7058	7056.39	7056.39	1 15	N	83	.34	34.19 N	50.96 E	61.09
7152	7150.30	7150.30	1 15	N	89	.14	34.23 N	48.91 E	59.57
7245	7243.33	7243.33	1 30	N	84	.30	34.43 N	46.49 E	57.82
7339	7337.31	7337.31	1 15	N	68	.28	34.55 N	44.44 E	56.27