

sperry-sun



J. A. Fouché
President

P.O. Box 2133
Odessa, Texas
Dec. 22, 1975

RECEIVED

DEC 24 1975

O. C. C.
ARTESIA, OFFICE

Franklin, Aston, Fair

P.O. Box 1090

Hamwell, New Mexico 88201

Sinclair #1

NW/4 SW/4 22-17-30

Mr. Grant Smith:

The enclosed film and five folders show the results of our Gyroscopic Multishot Survey, Job No. SU3-6325 on the Sinclair-Federal Lease, Well No. 1, in the Wildcat Field, Eddy County, New Mexico on December 18, 1975. This survey was run from the surface to a depth of 7,861 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, INC.

Glenn A. Bolote
Glenn A. Bolote *G.M.*
District Manager

GB/jm
Enclosures

SPERRY-SUN

DIRECTIONAL SURVEY REPORT

FOR

FRANKLIN, ASTOR, FAIR

SPERRY-SUN

DIRECTIONAL SURVEY REPORT

FOR

FRANKLIN, ASTON, FAIR



TYPE OF SURVEY: GYROSCOPIC MULTISHOT

SURVEY DEPTH: FROM -0- FT. TO 7,861 FT.

LEASE: SINCLAIR-FEDERAL WELL NO. 1 22-17-30

FIELD: WILDCAT

COUNTY/PARISH EDDY STATE NEW MEXICO

DATE OF SURVEY Dec. 18, 1975 JOB NO. SU3-6325

OFFICE: ODESSA, TEXAS (915) 563-1106

FRANKLIN ASTOR, FAIR
SINCLAIR FEDERAL
WILDCAT FIELD
EDDY COUNTY, NEW MEXICO
GYROSCOPIC SURVEY

DATE OF SURVEY DECEMBER 18, 1975
VERTICAL SECTION DIRECTION CLOSURE
SU-3-6325

SPERRY-SUN, INC

RECORD OF SURVEY											
MEASURED DEPTH G	TRUE VERTICAL DEPTH .00	SUB SEA TVD .00	COURSE		DIRECTION DEG	900-LEG SEV DEG/100	TOTAL COORDINATES		VERTICAL SECTION .00		
			INCLINATION DEG MIN	CRIGIN AT SURFACE			RECTANGULAR NORTH/SOUTH .00 N	EAST/WEST .00 E			
200	200.00	200.00	0 20	N	52 E	.17	.72 N	.92 E	.89		
400	399.99	399.99	0 25	N	9 E	.14	2.15 N	1.14 E	2.34		
600	599.99	599.99	0 25	N	3 E	.02	3.61 N	1.22 E	3.78		
800	799.98	799.98	0 35	N	56 E	.24	4.74 N	2.91 E	5.73		
1000	999.95	999.95	1 0	N	50 E	.21	6.99 N	5.58 E	8.00		
1200	1199.91	1199.91	1 5	N	51 E	.04	9.37 N	8.52 E	10.94		
1400	1399.89	1399.89	0 55	N	56 E	.09	11.16 N	11.17 E	13.24		
1600	1599.87	1599.87	0 35	N	27 E	.25	12.97 N	12.10 E	15.21		
1800	1799.85	1799.85	0 40	N	23 E	.05	15.11 N	13.01 E	17.50		
2000	1999.83	1999.83	1 0	N	1 W	.24	18.60 N	12.95 E	20.90		
2200	2199.79	2199.79	1 20	N	7 W	.16	23.22 N	12.38 E	25.29		
2400	2399.77	2399.77	1 35	N	11 W	.13	28.65 N	11.32 E	30.36		
2600	2599.61	2599.61	1 45	N	10 W	.08	34.60 N	10.25 E	36.04		
2800	2799.61	2799.61	1 45	N	7 W	.05	41.73 N	9.52 E	41.61		
3000	2999.45	2999.45	1 25	N	2 W	.15	49.67 N	9.35 E	46.61		
3200	3199.39	3199.39	1 25	N	2 W	.00	58.61 N	9.17 E	51.41		
3400	3399.31	3399.31	1 35	N	24 E	.35	55.00 N	11.42 E	56.71		
3600	3599.25	3599.25	1 30	N	44 E	.27	59.42 N	15.08 E	61.6		
3800	3799.19	3799.19	1 25	N	42 E	.05	63.10 N	16.37 E	65.54		
4000	3999.10	3999.10	1 40	N	30 E	.20	69.13 N	21.26 E	71.07		
4200	4199.05	4199.05	1 20	N	27 E	.17	72.28 N	23.39 E	75.57		
4400	4399.98	4399.98	1 30	N	17 E	.15	77.29 N	24.92 E	80.79		
4600	4599.91	4599.91	1 25	N	14 E	.10	81.60 N	26.55 E	86.60		
4800	4799.83	4799.83	1 40	N	25 E	.15	87.03 N	29.30 E	91.29		
5000	4999.75	4999.75	1 00	N	10 E	.10	92.73 N	32.35 E	97.44		
5200	5199.67	5199.67	1 25	N	17 E	.25	97.46 N	33.94 E	102.37		
5400	5399.61	5399.61	1 40	N	11 E	.14	103.10 N	36.10 E	108.10		
5600	5599.44	5599.44	2 0	N	10 E	.17	108.90 N	37.07 E	113.17		
5800	5799.31	5799.31	1 35	N	5 E	.15	116.73 N	38.42 E	119.15		

FRANKLY CASTOR, FAIR
SINCLAIR-FEDERAL
WILDCAT FIELD
EDDY COUNTY, NEW MEXICO
GYROSCOPIC SURVEY

DATE OF SURVEY DECEMBER 18, 1975
VERTICAL SECTION DIRECTION CLOSURE

SU-3-6325

SPERRY-SUN, INC

RECORD OF SURVEY												
MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE		DIRECTION DEG	COURSE DEG	300-LEG		RECTANGULAR NORTH/SOUTH	COORDINATES EAST/WEST	VERTICAL SECTION	
			INCLINATION DEG MIN	SEV DEG/100								
6000	5998.00	5998.00	2 55		N	8	E	.17	128.81 N	39.90 E	134.30	
6200	6197.49	6197.49	4 5		N	7	E	.53	142.95 N	41.63 E	148.49	
6400	6396.54	6396.54	5 35		N	16	E	.64	161.65 N	47.00 E	167.90	
6600	6595.12	6595.12	6 50		N	9	E	.73	185.16 N	50.72 E	191.69	
6800	6793.59	6793.59	7 5		N	10	E	.14	209.44 N	55.00 E	210	
7000	6991.73	6991.73	7 50		N	9	E	.38	235.37 N	59.27 E	243.53	
7200	7189.98	7189.98	7 35		N	8	E	.14	262.50 N	62.94 E	269.80	
7400	7388.34	7388.34	7 20		N	6	E	.18	287.89 N	65.61 E	295.24	
7600	7586.67	7586.67	7 25		N	5	E	.08	313.61 N	67.88 E	320.87	
7800	7785.03	7785.03	5 50		N	9	E	.32	333.69 N	71.04 E	341.16	
7861	7846.30	7846.30	5 25		N	14	E	1.05	339.27 N	72.43 E	346.92	

** THE CALCULATIONS ARE BASED ON THE TANGENTIAL OR TERMINAL ANGLE METHOD **

HORIZONTAL DISPLACEMENT = 340.92 FEET AT NORTH IS 0.00. 3 MIN. EAST (TRUE)