

A hand-drawn sketch of a rectangular box. The top edge is labeled 'S', the bottom edge is labeled 'Z', the left edge is labeled 'W', and the right edge is labeled 'M'.

SHEET NO. _____
SURVEY _____
JOB NO _____
SURVEY _____
DATE _____

1 OF 2
SU-4-200
C270561

S. CROSSCROFTS
LEA COUNTY, NEEL MEXICO

Gilchrist, Philip

CORRECTED TIME	MEASURED DEPTH		VERTICAL DEPTH	ANGLE OF INCLINATION	COURSE	DIRECTION OF INCLINATION	MEASURED COURSE DISPLACEMENT				TOTAL DISPLACEMENT			
	COURSE	TOTAL					NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST
25-45	131	131	131.00	1/4	C	N 75 E	1.6		1.5		1.4		1.5	
25-55	94	325	94.00	0							1.4		1.5	
3-03-05	44	314	94.00	0							1.4		1.5	
05-45	94	413	94.00	0							1.4		1.5	
08-03	94	507	94.00	0							1.4		1.5	
10-18	93	600	93.00	0							1.4		1.5	
12-18	14	614	94.00	1/4		S 52 W	1.5	1.35	1.32	1.1	1.1	1.36	1.23	1.01
15-42	14	788	94.00	1/4		S 52 W	1.5	1.35	1.32	1.1	1.1	1.36	1.23	1.01
18-03	12	880	92.00	0										
24-23	13	913	93.00	0										
26-40	45	1065	93.00	1/4		S 31 E	1.5	1.37	1.14	1.5	1.73	1.05	1.05	1.45
28-58	95	1160	95.00	1/4		S 31 E	1.5	1.41	1.1	1.53	1.53	1.05	1.05	1.45
31-18	93	1252	93.00	1/4		S 16 W	1.5	1.31	1.1	1.53	1.53	1.05	1.05	1.45
33-17	91	1344	91.00	0										
35-36	12	1436	93.00	1/4		S 82 W	1.5	1.6	1.46	1.59	1.59	1.45	1.45	1.45
37-55	43	1524	93.00	0										
44-15	14	1622	94.00	0										
46-15	92	1715	92.00	0										
49-32	14	1804	94.00	0										
51-52	92	1902	92.00	0										
51-52	92	1914	92.00	1/4		N 65 E	1.4	1.40	1.03	1.19	1.19	1.42	1.42	1.42
3-51-52	94	2088	14.00	1/2		N 19 E	1.4	1.72	1.27	1.41	1.41	1.42	1.42	1.42
4-02-11	94	2122	94.00	1/2		N 29 E	1.4	1.72	1.4	1.41	1.41	1.42	1.42	1.42
04-10	93	2275	92.44	3/4		N 26 E	1.4	1.72	1.53	1.41	1.41	1.42	1.42	1.42
06-20	14	2361	94.00	1/2		N 36 E	1.4	1.72	1.53	1.41	1.41	1.42	1.42	1.42
08-31	94	2463	94.00	1/2		N 36 E	1.4	1.72	1.53	1.41	1.41	1.42	1.42	1.42
10-20	94	2557	14.00	1/2		N 36 E	1.4	1.72	1.53	1.41	1.41	1.42	1.42	1.42
12-05	95	2652	95.00	1/2		N 36 E	1.4	1.72	1.53	1.41	1.41	1.42	1.42	1.42
14-28	14	2746	94.00	3/4		N 36 E	1.4	1.72	1.53	1.41	1.41	1.42	1.42	1.42
4-21-45	91	2837	70.11	0		N 16 E	1.4	1.72	1.53	1.41	1.41	1.42	1.42	1.42
DONE BY	EL	EL	EL	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CK BY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

ON LEAF SHEET NO

SURVEY
JOB NO

SURVEY
DATE

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15-H-3001

October 27, 1961

S. Cress Roads
Lea County, Nevada

MAGNETIC ALCTHET

CORRECTED TIME	MEASURED DEPTH	VERTICAL DEPTH	ANGLE OF INCLINATION	COURSE	TOTAL	DIRECTION OF INCLINATION		MEASURED COURSE DISPLACEMENT				TOTAL DISPLACEMENT							
						OBSERVED	CORRECTED	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST				
2-53-40	4178	4177.92	1/4	87	4178	87	4177.92	1/4	87	4177.92	1/4	87	4177.92	1/4	87	4177.92	1/4	87	4177.92
51-40	4265	4264.12	1/2	92	4265	92	4264.12	1/2	92	4264.12	1/2	92	4264.12	1/2	92	4264.12	1/2	92	4264.12
44-40	4357	4356.12	1/2	93	4357	93	4356.12	1/2	93	4356.12	1/2	93	4356.12	1/2	93	4356.12	1/2	93	4356.12
48-00	4450	4449.12	1/2	93	4450	93	4449.12	1/2	93	4449.12	1/2	93	4449.12	1/2	93	4449.12	1/2	93	4449.12
48-00	4543	4542.92	1/2	93	4543	93	4542.92	1/2	93	4542.92	1/2	93	4542.92	1/2	93	4542.92	1/2	93	4542.92
46-20	4636	4635.12	1/2	93	4636	93	4635.12	1/2	93	4635.12	1/2	93	4635.12	1/2	93	4635.12	1/2	93	4635.12
44-20	4721	4720.12	1/2	93	4721	93	4720.12	1/2	93	4720.12	1/2	93	4720.12	1/2	93	4720.12	1/2	93	4720.12
40-20	4823	4822.12	1/4	94	4823	94	4822.12	1/4	94	4822.12	1/4	94	4822.12	1/4	94	4822.12	1/4	94	4822.12
38-00	4916	4915.12	0	93	4916	93	4915.12	0	93	4915.12	0	93	4915.12	0	93	4915.12	0	93	4915.12
35-20	5001	5000.12	1/4	93	5001	93	5000.12	1/4	93	5000.12	1/4	93	5000.12	1/4	93	5000.12	1/4	93	5000.12
32-40	5105	5104.12	1/4	93	5105	93	5104.12	1/4	93	5104.12	1/4	93	5104.12	1/4	93	5104.12	1/4	93	5104.12
30-20	5215	5214.12	1/4	93	5215	93	5214.12	1/4	93	5214.12	1/4	93	5214.12	1/4	93	5214.12	1/4	93	5214.12
28-00	5328	5327.12	0	93	5328	93	5327.12	0	93	5327.12	0	93	5327.12	0	93	5327.12	0	93	5327.12
26-20	5446	5445.12	0	94	5446	94	5445.12	0	94	5445.12	0	94	5445.12	0	94	5445.12	0	94	5445.12
24-20	5570	5569.12	1/2	94	5570	94	5569.12	1/2	94	5569.12	1/2	94	5569.12	1/2	94	5569.12	1/2	94	5569.12
20-40	5661	5660.12	1/4	91	5661	91	5660.12	1/4	91	5660.12	1/4	91	5660.12	1/4	91	5660.12	1/4	91	5660.12
18-00	5756	5755.11	3/4	93	5756	93	5755.11	3/4	93	5755.11	3/4	93	5755.11	3/4	93	5755.11	3/4	93	5755.11
15-00	5844	5843.12	3/4	93	5844	93	5843.12	3/4	93	5843.12	3/4	93	5843.12	3/4	93	5843.12	3/4	93	5843.12
12-20	5942	5941.12	3/4	93	5942	93	5941.12	3/4	93	5941.12	3/4	93	5941.12	3/4	93	5941.12	3/4	93	5941.12
10-00	6036	6035.88	1	94	6036	94	6035.88	1	94	6035.88	1	94	6035.88	1	94	6035.88	1	94	6035.88
08-00	6137	6136.88	1/2	91	6137	91	6136.88	1/2	91	6136.88	1/2	91	6136.88	1/2	91	6136.88	1/2	91	6136.88
06-20	6220	6219.87	3/4	93	6220	93	6219.87	3/4	93	6219.87	3/4	93	6219.87	3/4	93	6219.87	3/4	93	6219.87
04-20	6314	6313.86	3/4	94	6314	94	6313.86	3/4	94	6313.86	3/4	94	6313.86	3/4	94	6313.86	3/4	94	6313.86
02-40	6408	6407.85	3/4	94	6408	94	6407.85	3/4	94	6407.85	3/4	94	6407.85	3/4	94	6407.85	3/4	94	6407.85
2-01-00	6502	6501.84	1	94	6502	94	6501.84	1	94	6501.84	1	94	6501.84	1	94	6501.84	1	94	6501.84
1-51-00	6596	6595.84	1/2	94	6596	94	6595.84	1/2	94	6595.84	1/2	94	6595.84	1/2	94	6595.84	1/2	94	6595.84
55-20	6690	6689.84	1/2	90	6690	90	6689.84	1/2	90	6689.84	1/2	90	6689.84	1/2	90	6689.84	1/2	90	6689.84
53-40	6780	6779.84	1/2	94	6780	94	6779.84	1/2	94	6779.84	1/2	94	6779.84	1/2	94	6779.84	1/2	94	6779.84
1-50-20	6874	6873.83	3/4	94	6874	94	6873.83	3/4	94	6873.83	3/4	94	6873.83	3/4	94	6873.83	3/4	94	6873.83
DONE BY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CK BY	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

CUSTOMER SHARP DEALING COMPANY
WELL NO. JOHN L. COX
T.F. STATE WELL NO. 1

WELL NO

07313

SHEET NO.

SURVEY
JOB NO

SURVEY
DATE

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NS-H-3001

October 27, 1964



MAGNETIC NUTS

S. CROSSROADS
LEA COUNTY, NEW MEXICO

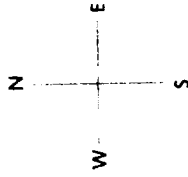
CORRECTED TIME	MEASURED DEPTH		ANGLE OF INCLINATION	COURSE	VERTICAL DEPTH	TOTAL	DIRECTION OF INCLINATION		MEASURED COURSE DISPLACEMENT				TOTAL DISPLACEMENT				
	COURSE	TOTAL					OBSERVED	CORR	CORRECTED	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST
1-48-40	93	61.67	1/2		93.00	61.66	93	12 E	N	52	W	1.64		33.52	33.52	2.56	3.20
46-40	93	70.60	1/4		93.00	70.59	93		N	70	W	1.14		34.02	34.02	2.18	
44-40	93	71.53	3/4	1	92.99	71.52	82		N	36	W	1.31		35.47	35.47	1.23	
43-00	94	72.47			93.11	72.46	81		N	23	W	1.13		36.60	36.60	1.75	
41-20	94	73.41	1/2		94.00	73.40	81		N	46	W	1.57		37.17	37.17	1.46	
39-40	93	74.34	1/2		93.00	74.33	81		N	53	W	1.41		37.66	37.66	1.49	
37-20	93	75.27	3/4		92.99	75.26	80		N	38	W	1.46		38.62	38.62	1.24	
35-20	91	76.18	1	1	90.19	76.17	79		N	33	W	1.33		39.95	39.95	2.10	
31-20	95	77.12	1/2		95.00	77.12	79		N	45	W	1.57		40.54	40.54	2.61	
24-40	93	78.06	3/4		92.99	78.05	78		N	39	W	1.45		41.41	41.41	3.46	
28-00	93	78.97	1/2		93.00	78.96	78		N	37	W	1.72		42.21	42.21	3.83	
26-00	93	79.92	3/4		92.99	79.91	77		N	23	W	1.12		43.39	43.39	4.21	
24-00	93	80.85	1	1	92.99	80.84	76		N	16	W	1.56		44.89	44.89	4.76	
22-00	91	81.76	1	1	90.99	81.75	75		N	17	W	1.52		46.41	46.41	5.22	
19-20	94	82.70	1	1	93.99	82.69	74		N	14	W	1.57		48.00	48.00	5.62	
16-00	93	83.63	3/4		92.99	83.62	73		N	10	W	1.20		49.20	49.20	5.83	
13-40	92	84.55	1	1	91.99	84.54	72		N	04	W	1.60		50.80	50.80	6.38	
11-40	93	85.48	3/4		92.99	85.47	71		N	21	W	1.14		51.74	51.74	6.84	
10-00	92	86.40	1/2		92.00	86.39	71		N	35	W	1.66		52.60	52.60	8.05	
07-40	93	87.33	3/4		92.99	87.32	70		S	82	W	1.17		53.77	53.77	8.86	
05-40	94	88.27	1/2		94.00	88.26	70		S	83	W	1.16		54.87	54.87	9.37	
03-40	94	89.21	1/2		94.00	89.20	70		S	38	W	1.51	1.65	55.22	55.22	10.16	
1-01-40	92	90.13	0	0	92.00	90.12	70		S	-	-	2	2	56.15	56.15	10.38	
12-51-00	94	91.07	1/4		94.00	91.06	70		S	80	W	1.46	1.07	57.07	57.07	10.38	
53-40	92	91.99	1/4		93.00	91.98	70		S	79	W	1.51	1.08	58.07	58.07	10.38	
40-40	94	92.13	0	0	94.00	92.12	70		S	-	-	2	2	59.17	59.17	10.38	
35-40	93	93.86	0	0	93.00	93.85	70		S	32	W	1.34	1.34	60.17	60.17	10.38	
12-27-00	41	94.27	0	0	41.00	94.26	70		S	-	-	2	2	61.17	61.17	10.38	
HORIZONTAL DISPLACEMENT = 52.76 FT. AT NORTH 71° 21' WEST																	
DONE BY:	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CK BY:	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

SURVEY TABULATION SHEET

CUSTOMER **SHARP DRILLING COMPANY**
 WELL NO. **JOHN L. COX**
T.P. STATE NO. 1



SHEET NO. **1 OF 2**
 SURVEY JOB NO. **MS-3977**
 SURVEY DATE **DECEMBER 5, 1964**



FIELD **S. CROSSROADS**
LEA COUNTY, NEW MEXICO
MAGNETIC MULTISHOT

LEHIGH COUNTY, NEW MEXICO				DIRECTION OF INCLINATION				MEASURED COURSE DISPLACEMENT				TOTAL DISPLACEMENT				
CORRECTED TIME	MEASURED DEPTH		ANGLE OF INCLINATION	COURSE DEV	OBSERVED		CORR	CORRECTED	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST
	COURSE	TOTAL														
	9386	9385.70			TAKEN FROM	MS-M-3001							51.73			10.38
10.40	11	9397	2 3/4		N 03 W	12 E	N 01 E	52					52.25			10.30
07.00	94	9491	3 1/2		N 03 E		N 13 E	559					57.34			9.01
04.40	93	9584	4 1/2		N 03 W		N 01 E	7.21					65.05			7.87
02.40	92	9676	4 3/4		N 10 W		N 02 E	7.61					72.66			7.60
20.20	92	9768	5 3/4		N 12 W		NORTH	9.22					81.88			7.60
15.80	94	9862	6 1/2		N 17 W		N 03 W	10.60					92.48			8.53
54.40	93	9955	7		N 18 W		N 06 W	11.27					113.75			9.71
52.20	93	10048	6 1/2		N 21 W		N 01 W	10.40					114.15			11.36
50.00	95	10143	7		N 18 W		N 06 W	11.51					125.66			12.57
45.20	95	10238	6 1/2		N 20 W		N 08 W	10.65					136.31			14.07
43.00	72	10330	6		N 20 W		N 08 W	9.52					145.83			15.41
40.20	92	10422	6		N 23 W		N 09 W	9.50					155.33			16.91
38.00	95	10517	6 1/2		N 23 W		N 11 W	10.56					165.89			18.96
34.20	92	10609	7		N 28 W		N 16 W	10.78					176.67			22.05
32.00	95	10704	7 1/2		N 30 W		N 18 W	11.79					188.46			25.88
29.20	93	10797	7		N 37 W		N 15 W	10.95					199.41			28.81
27.00	92	10889	6 1/4		N 34 W		N 22 W	9.29					208.70			31.56
23.00	94	10983	5 3/4		N 39 W		N 27 W	8.39					217.09			36.84
20.20	91	11074	5 1/4		N 34 W		N 22 W	7.72					224.81			39.96
18.00	93	11167	4 3/4		N 43 W		N 31 W	6.60					231.41			43.93
15.20	92	11259	3 3/4		N 37 W		N 25 W	5.45					236.86			46.47
10.20	93	11352	3 1/4		N 43 W		N 31 W	4.52					241.38			49.19
07.40	93	11445	3 1/4		N 37 W		N 25 W	4.78					246.16			51.42
05.00	94	11539	3		N 34 W		N 22 W	4.56					250.72			53.26
1.02.40	93	11632	2 3/4		N 27 W		N 15 W	4.31					255.03			54.41
1.00.00	94	11726	2 1/2		N 23 W		N 11 W	4.02					259.05			55.19
12.57.20	92	11818	2 1/4		N 23 W		N 20 W	3.39					262.44			56.43
54.40	93	11911	2		N 37 W		N 25 W	3.74					265.38			57.80
12.52.00	93	12004	1 1/2		N 50 W	12 E	N 38 W	1.92					267.30			59.30
00.00	93	12004			old	old	old	old					old			old
00.00	93	12004			old	old	old	old					old			old

SHARP DRILLING COMPANY

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SHEET NO.

SURVEY
JOB NO.

SURVEY
DATE

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Ms. 3977

DEC 5 1964

MAGNETIC MOUNTING

CROSSROADS
SHEA COUNTY, NEW MEXICO

CROSS ROAD

CORRECTED TIME		MEASURED DEPTH		VERTICAL DEPTH		ANGLE OF INCLINATION		COURSE DEVIATION		DIRECTION OF INCLINATION				MEASURED COURSE DISPLACEMENT				TOTAL DISPLACEMENT			