

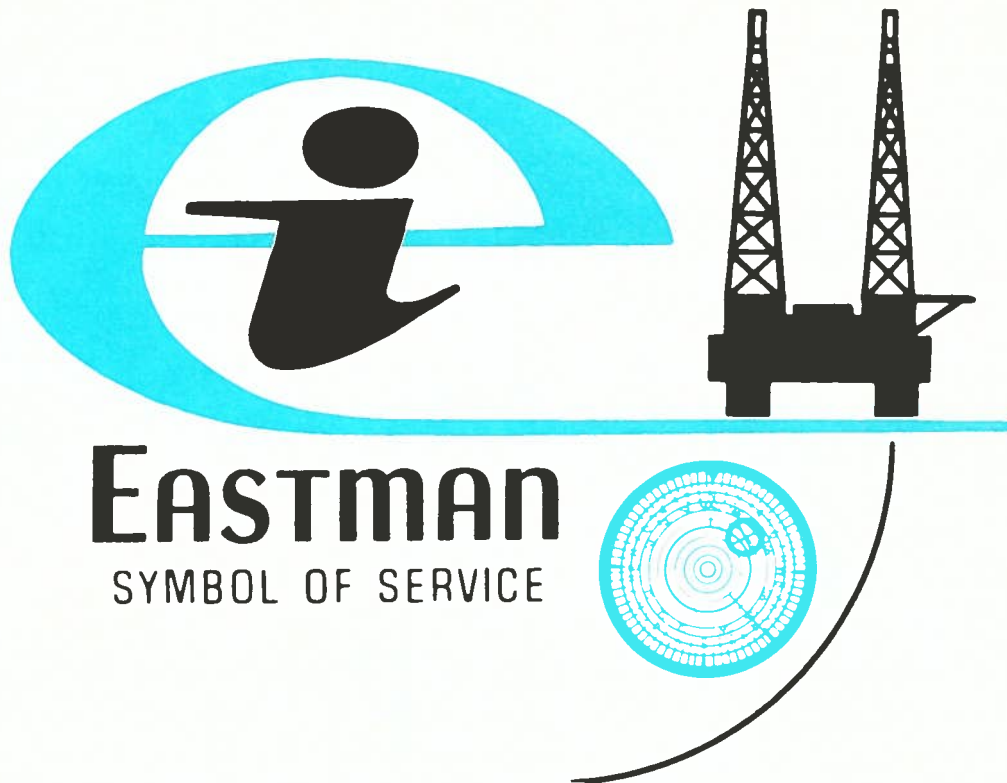


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SEP 13 1973

GOLD, OIL & GAS CONS. COMM.



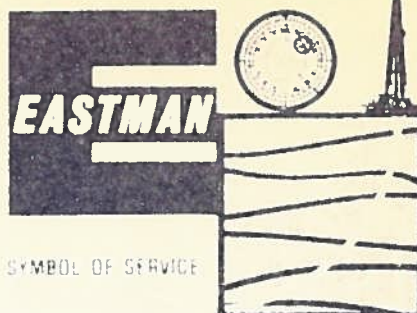
SURVEY REPORT

EASTMAN OIL WELL SURVEY COMPANY

RECEIVED

SEP 13 1973

COLORADO OIL & GAS CONS. COMM.



REPORT of SUB-SURFACE DIRECTIONAL SURVEY

Trend Exploration, Ltd.

COMPANY

State #1-6

WELL NAME

Craig, Colorado

LOCATION

JOB NUMBER

RMS-10572 &
RM -10472

TYPE OF SURVEY

Multishot

DATE

10-24-72 &
10-28-72

SURVEY BY

Funk

OFFICE

Rocky Mountain



RECORD OF SURVEY

State #1-6
JOB NO. RMS-10572
DATE 10-24-72
Page 1 of 4

CHECKED BY

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
15-16	350	Casing 0 to 301'	0 to 301'	assumed vertical.	43	S48E				32
18	450	1° 30'			1 75	S63E		29	1 87	
20	550	1° 0'			1 75	N66E		1 08	3 46	
22	650	1° 15'	649 94		2 18	N86E		37	5 64	
24-25	750	1° 15'			2 18	N72E		22	7 71	
27	850	1° 0'			1 75	S84E	45		9 45	
29	950	1° 0'			1 75	S88E	27		11 19	
31	1050	1° 15'			2 18	N88E	21		13 37	
32-33	1150	1° 15'	1149 84		2 18	N88E	29		15 55	
34	1250	1° 30'			2 62	N80E	37		18 13	
35	1350	1° 15'			2 18	N80E	82		20 28	
36	1450	1° 15'			2 18	N80E	1 20		22 43	
37-38	1550	1° 15'			2 18	N80E	1 58		24 58	
39	1650	1° 15'	1649 73		2 18	N81E	1 96		26 73	
40	1750	1° 15'			2 18	N82E	2 30		28 89	
41	1850	1° 15'			2 18	N82E	2 60		31 05	
42	1950	1° 15'			2 18	N81E	2 90		33 20	
43	2050	1° 15'			2 18	N81E	3 24		35 35	
44-45	2150	1° 15'	2149 63		2 18	N84E	3 58		37 52	
46	2250	1° 15'			2 18	N88E	3 81		39 70	
47	2350	1° 15'			2 18	S82E	3 89		41 86	
48	2450	1° 15'			2 18	S79E	3 59		44 00	
49	2550	1° 15'			2 18	S72E	3 17		46 07	
50	2650	1° 15'	2649 53		2 18	S71E	2 50		48 13	
51	2750	1° 15'			2 18	S77E	1 79		50 26	
52	2850	1° 15'			2 18	S78E	1 30		52 39	
53	2950	1° 15'			2 18	S78E	85		54 52	
54	3050	1° 15'			2 18	S78E	40		56 65	
55-56	3150	1° 15'	3149 43		2 18	S79E		05	58 79	
57	3250	1° 15'			2 18	S81E		47	60 94	



RECORD OF SURVEY

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10-24-72

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STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
58	3350	1°30'			2 62	S85E		1 04	63 55	
59	3450	1°30'			2 62	S88E		1 13	66 17	
61	3550	1°30'			2 62	S85E		1 36	68 78	
62	3650	1°30'	3649 29		2 62	S84E		1 63	71 38	
63	3750	1°30'			2 62	S82E		1 99	73 97	
64	3850	1°30'			2 62	S81E		2 40	76 56	
65	3950	1°30'			2 62	S81E		2 81	79 15	
66	4050	1°45'			3 05	S81E		3 29	82 17	
67-68	4150	1°45'	4149 10		3 05	S81E		3 77	85 19	
69	4250	1°45'			3 05	S82E		4 20	88 21	
70	4350	1°45'			3 05	S83E		4 57	91 24	
71	4450	1°45'			3 05	S86E		4 78	94 29	
72	4550	1°45'			3 05	S88E		4 89	97 34	
73	4650	1°45'	4648 85		3 05	East		4 89	100 39	
74	4750	1°45'			3 05	East		4 89	103 44	
75	4850	1°45'			3 05	East		4 89	106 49	
76	4950	2°			3 49	S88E		5 01	109 98	
77	5050	1°45'			3 05	S82E		5 44	113 00	
78-79	5150	1°45'	5148 59		3 05	S77E		6 13	115 98	
80	5250	1°45'			3 05	S77E		6 82	118 96	
81	5350	1°45'			3 05	S77E		7 51	121 94	
82-83	5450	2°			3 49	S78E		8 24	125 35	
84	5550	2°			3 49	S78E		8 97	128 76	
85	5650	2°	5648 31		3 49	S78E		9 70	132 17	
86	5750	2°			3 49	S78E		10 43	135 58	
87	5850	2°	5848 19		3 49	S80E		11 04	139 02	
88	5950	2°			3 49	S83E		10 47	142 48	
89-90	6050	2°			3 49	S85E		10 77	145 96	
91	6150	2°	6148 01		3 49	S85E		11 07	149 44	



RECORD OF SURVEY

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JOB NO. RM-10472

DATE 10-28-72

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CHECKED BY

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
	5887	3°			1 94	S41E		12 50	140 29	
	5920	4°	5918 06		2 30	S67E		13 40	142 41	
	5951	5°45'			3 11	S61E		14 90	145 13	
	5981	6°45'			3 53	S75E		15 82	148 54	
	6000	7°	5997 55		2 32	N89E		15 78	150 86	
	6030	8°15'			4 30	N79E		14 96	155 08	
	6053	9°45'			3 90	N70E		13 63	158 74	
	6091	10°			6 60	N56E		9 94	164 21	
	6124	10°15'			5 87	N44E		5 72	168 29	
	6150	12°	6145 23		5 41	N38E		1 46	171 59	
	6187	13°	6181 28		8 32	N32E	5 59		176 00	
	6215	14°30'			7 01	N25E	11 94		178 96	
	6318	14°	6308 33		24 92	N17E	35 77		186 25	
	6380	13°30'			14 47	N15E	49 75		190 00	
	6500	17°45'			36 59	N11E	85 67		196 98	
	6566	19°15'			21 76	N15E	106 68		202 62	
	6661	20°15'			32 88	N21E	137 37		214 41	
	6752	21°15'	6719 16		32 98	N30E	165 93		230 90	
	6908	22°15'	6863 54		59 06	N16E	222 70		247 18	
	7012	23°15'	6959 10		41 05	N16E	262 16		258 49	
	7103	24°	7042 23		37 01	N19E	297 15		270 54	
	7188	24°	7119 88		34 57	N26E	328 22		285 69	
	7306	24°30'	7227 26		48 93	N24E	372 92		305 59	
	7337	25°30'	7255 24		13 35	N21E	385 38		310 37	
	7368	26°15'	7283 04		13 71	N23E	398 00		315 73	
	7398	26°30'	7309 89		13 39	N24E	410 24		321 18	
	7494	24°15'	7397 42		39 43	N35E	442 54		343 80	
	7568	24°	7465 02		30 10	N32E	468 06		359 75	
	7620	24°15'	7512 43		21 36	N37E	485 11		372 60	
	7723	26°15'	7604 81		45 56	N20E	527 92		388 48	
	7756	27°	7634 21		14 93	N15E	542 39		392 36	



RECORD OF SURVEY

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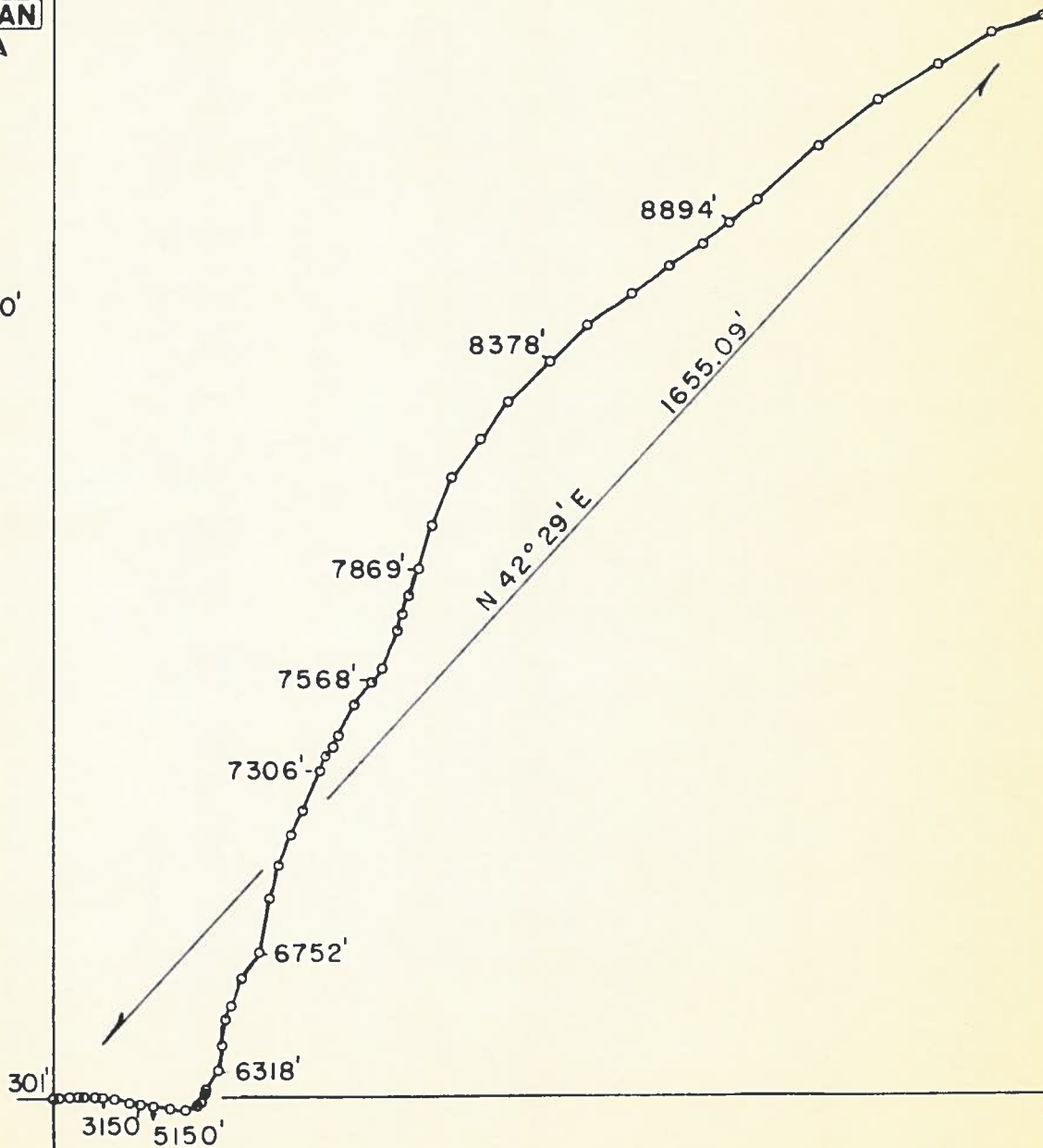
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STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
	7813	30°	7683 57		28 50	N18E	569 50		401 17	
	7869	32°	7731 06		29 68	N20E	597 39		411 32	
	7957	32°45'	7805 07		47 61	N19E	642 41		426 82	
	8073	33°45'	7901 52		64 45	N27E	699 84		456 08	
	8163	33°15'	7976 79		49 35	N32E	741 69		482 23	
	8260	33°15'	8057 91		53 18	N40E	782 43		516 41	
	8378	32°30'	8157 43		63 40	N44E	828 04		560 45	
	8495	31°30'	8257 19		61 13	N48E	868 94		605 88	
	8613	30°45'	8358 60		60 33	N52E	906 08		653 42	
	8730	30°	8459 92		58 50	N56E	938 79		701 92	
	8812	29°	8531 64		39 75	N54E	962 15		734 08	
	8894	28°	8604 04		38 50	N51E	986 38		764 00	
	8978	27°	8678 88		38 14	N49E	1011 40		792 78	
	9219	23°30'	8899 89		96 10	N48E	1075 70		864 20	
	9450	21°30'	9114 82		84 66	N55E	1124 26		933 55	
	9675	20°	9326 25		76 95	N59E	1163 89		999 50	
	9877	20°	9516 07		69 09	N60E	1198 43		1059 33	
	10,059	20°	9687 09		62 25	N70E	1219 73		1117 82	
						Closure Direction		N42° 29' E		
						Closure Distance		1655.09 feet		

PLAN

EASTMAN
OIL WELL
SURVEY COMPANY

DEPTH 10059.00'
NORTH 1219.73'
EAST 1117.82'



Well No. State #1-6

JOB NO. RMS-10572
RM-10472

Contact your nearest **EASTMAN** representative

EASTMAN SERVICES INTERNATIONAL
FOR EXPORT: P.O. BOX 14609 Houston, Texas
Phone: 713-748-2350 Cable: EASTCO

EASTMAN OIL WELL SURVEY COMPANY
P.O. BOX 14609 Houston, Texas 77021
Phone: 713-748-2350

BRAZIL, Rio de Janeiro
Planejamento e Execucao de
Vendas Ltda.
P.O. Box 1339
Phone: 221-3366/242-5493
Cable: PLANEV

ENGLAND, Gt. Yarmouth, Norfolk
Eastman Services International
Eurocenter
North River Road
Phone: 55287/55288
Cable: EASTCO

ABILENE, Texas 79604
P.O. Box 1035
Area Code 915-673-1847

HOUSTON, Texas 77021
P.O. Box 14609
Area Code 713-748-2350

BOLIVIA, La Paz
Equipo Petrolero Ltda.
Casill 1359
Phone: 10977
Cable: EQUIPERTROL

FORMOSA, Taipei, Taiwan
Elephant Oil Well Supply Co.
P.O. Box 1243
Phone: 379851/379852
Cable: ELEOILWELL, TAIPEI

ANCHORAGE, Alaska 99509
P.O. Box 4-1970
Area Code 907-272-1032

LAFAYETTE, Louisiana 70501
P.O. Box 51106, O.C.S.
Area Code 318-235-8501

COLOMBIA, Bogota
Sudamericana De Perforaciones Y
Servicios, S.A.
Aptado. Aereo: 7940
Phone: 438-316/414-621
Cable: SUPERSER

IRAN, Tehran
Iran-Pahnab Industrial Co.
P.O. Box 3222
Phone: 629148/825232
Cable: PAHNABINCO

BAKERSFIELD, Calif. 93302
Area Code 805-327-8681

LONG BEACH, Calif. 90801
P.O. Box 408
Area Code 213-437-7451

BILLINGS, Montana 59101
P.O. Box 278
Area Code 406-252-4572

MARION, Ohio 43302
P.O. Box 89
Area Code 614-389-4044

ECUADOR, Quito
Sudamericana De Perforaciones Y
Servicios, S.A.
10 de Agosto 983, 4to. piso
Phone: 237320/236788
Cable: SUPERSER

NIGERIA, Lagos
Trans-Africa Engineering Ltd.
P.O. Box 3651
Phone: 23973/23986
Cable: ESECOR LAGOS

BROOKHAVEN, Miss. 39601
P.O. Box 43
Area Code 601-833-7831

NEW ORLEANS, Louisiana 70114
P.O. Box 6408 Sta A
Area Code 504-367-2711

CASPER, Wyoming 82601
P.O. Box 1284
Area Code 307-237-9880

ODESSA, Texas 79760
P.O. Box 1112
Area Code 915-563-0511

CORPUS CHRISTI, Tex. 78404
P.O. Box 4653
Area Code 512-882-7812

OKLAHOMA CITY, Okla. 73109
P.O. Box 94938
Area Code 405-672-1389

EASTMAN OIL WELL SURVEY COMPANY, LTD.
P.O. Box 6780-Stn D
Calgary, Alberta, Canada
Phone: 403-263-4160
Cable: WHIPSTOCK

9705-56th Avenue
Edmonton, Alberta, Canada
Phone: 403-434-9551
Cable: WHIPSTOCK

DENVER, Colorado 80202
208 Patterson Building
17th & Welton
Area Code 303-623-7151

TYLER, Texas 75705
P.O. Box 3533
Area Code 214-597-6781

EASTMAN DIRECTIONAL DRG (AUST.) PTY, LTD.
P.O. Box 256
Phone: 2334

Sale, 3850, Victoria, Australia
Cable: WHIPSTOCK

FARMINGTON, N.M. 87401
P.O. Box 1004
Area Code 505-325-5991

VENTURA, Calif. 93001
P.O. Box 1414
Area Code 805-643-2553

HOBBS, New Mexico 88240
P.O. Box 2366
Area Code 505-393-3811

VERNAL, Utah
P.O. Box 239
Area Code 801-789-1905

EASTMAN INTERNATIONAL COMPANY, G.M.B.H.
Carl-Zeiss-Strasse 16
Phone: 42-0161

3005 Hannover-Westerfeld, W. Ger.
Cable: EASTCO HANNOVER

HOUMA, Louisiana 70361
P.O. Box 288
Area Code 504-876-1028

WICHITA FALLS, Texas 76310
P.O. Box 1124
Area Code 817-692-4631

Other **EASTMAN** Products

INSTRUMENTATION

Type "R" Single Shot
Type "E" Single Shot
Mining Single Shot
Drop Multiple Shot
Miniature Multiple Shot
Gyroscopic Multiple Shot

Gyroscopic Single Shot
Drift Indicator
Core Orientation
High Temp Heat Shield
Drilling Recorders

DIRECTIONAL DRILLING

Circulating Subs
Down Hole Drilling Motors
Non-Magnetic Drill Collars
Casing Rollers
Substitutes
Standard Whipstocks

Circulating Whipstocks
Whipstock Stabilizers
Stabilizers
Universal Joints
Hole Openers
Dailey LI Rotary Drilling Jars



EASTMAN OIL WELL SURVEY CO.

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