

EASTMAN OIL WELL SURVEY COMPANY

SHEET

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COMPANY Union Oil Co. of California JOB NO. _____ DATE _____
 WELL OCS P-0130 Fulmar #1 FIELD CREW _____
 LOCATION West Heceta Area DISTRICT Federal COMPUTATIONS _____ FILM _____
 TYPE OF SURVEY S.S. M S _____ UNIT _____ BBL _____

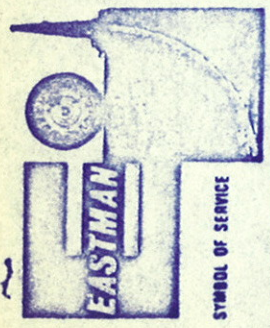


STA. NO.	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL DEPTH	TRUE VERTICAL DEPTH	COURSE DEV.	DRIFT DIRECTION	COORDINATE DIFFERENCES				RECTANGULAR COORDINATES						
								NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST			
1	1616	1616	0°15'	1616	00	7 11	N 85 W	70				70						7 08
2	2321	705	1°45'	704	64	21 47	N 50 W 13 80					14	50					23 52
3	2544	223	2°30'	222	87	7 78	N 34 W 6 45					20	95					27 87
4	2767	223	1°45'	222	95	3 90	N 23 W 3 59					24	54					29 39
5	3100	333	0°45'	332	96	4 36	N 2 E 4 36					28	90					29 24
6	3378	278	0°45'	277	97	3 64	S 70 W		1 24			27	66					32 66
7	3748	370	2°	369	78	17 12	N 15 W 12 46					40	12					36 00
8	4160	412	4°15'	410	88	05 30	N 30 E 26 44			15 26		66	56					20 74
9	4373	213	3°30'	212	59	12 99	N 35 E 10 64			7 45		77	20					13 29
10	4596	223	3°15'	222	64	12 64	N 30 E 10 94			6 32		88	14					6 97
11	5041	445	1°45'	444	77	05 13	N 31 E 11 63			6 99		99	77					.02
12	5561	520	1°15'	519	90	11 34	N 1 E 11 34			0 25		111	11					27
13	6160	599	0°45'	598	94	7 85	N 7 E 7 79			0 95		118	90					1 22
14	6572	412	1°45'	411	79	12 57	N 5 W 12 51					131	41					13
15	7006	434	1°0'	433	91	7 59	True N 7 59			0 00		139	00					13
16	7476	470	2°15'	469	63	18 43	S 80 E		3 20	18 15		135	80					18 28
17	7669	193	3°30'	192	64	11 78	S 83 E		1 44	11 69		134	36					29 97
18	7937	268	3°15'	276	57	15 20	N 75 E 3 93			14 68		138	29					44 65
19	8115	178	3°30'	177	66	10 86	N 86 E 0 76			10 84		139	65					55 49
20	8297	182	3°15'	181	71	10 32	E			10 32		139	65					65 81

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 TYPE OF SURVEY S.S. M S _____ UNIT _____
 DISTRICT Federal FILM _____ 88L

STA. NO.	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL DEPTH	TRUE VERTICAL DEPTH	COURSE DEV.	DRIFT DIRECTION	COORDINATE DIFFERENCES				RECTANGULAR COORDINATES			
								NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST
21	8410	113	3°15'	112 82	8404 72	6 41	S 80 E		1 12 6	31		138 53		72 12	
22	8672	262	3°0'	261 63	8666 35	13 70	S 47 E		9 34 10 02			129 19		82 14	
23	8921	249	3°45'	248 47	8914 82	16 22	S 37 E		12 95 9 76			116 24		91 90	
24	9100	179	4°0'	178 57	9093 39	12 49	S 26 E		11 23 5 47			105 01		97 37	
25	9296	196	4°30'	195 39	9288 78	15 38	S 25 E		13 93 6 50			91 05		103 87	
26	9465	169	4°	168 59	9457 37	11 79	S 30 E		10 21 5 90			80 87		109 77	
27	9658	193	4°	192 53	9649 90	13 47	S 30 E		11 67 6 74			69 10		116 51	
28	9811	153	3°15'	152 75	9802 65	8 67	S 25 E		7 86 3 66			61 24		120 17	
29	10,101	290	3°0'	289 60	10,092 25	15 17	S 38 E		11 95 9 33			42 29		129 50	
30	10,437	336	2°15'	335 23	10,427 48	23 20	S 30 E		20 09 11 60			22 20		141 10	
31	10,588	151	2°15'	150 88	10,578 36	5 93	S 37 E		4 73 3 57			17 47		144 67	
32	10,680	92	2°0'	91 94	10,670 30	3 21	S 26 E		2 89 1 41			14 58		146 08	
33	10,872	192	2°0'	191 88	10,867 18	6 70	S 31 E		5 74 3 45			8 84		149 53	
34	11,047	175	2°15'	174 86	11,037 04	6 87	S 32 E		5 82 3 64			3 02		153 17	
35	11,324	277	3°0'	276 61	11,313 65	14 49	S 40 E		11 10 9 32				8 08	162 49	
36	11,482	158	3°0'	157 58	11,471 23	8 27	S 42 E		6 15 5 53				14 23	168 02	
37	11,610	128	3°15'	127 79	11,599 02	7 26	S 40 E		5 56 4 67				19 79	172 69	
38	11,740	130	2°45'	129 85	11,728 87	6 24	S 45 E		4 41 4 41				24 20	177 10	
39	11,984	244	2°50'	243 76	11,972 63	10 64	S 54 E		6 26 8 61				30 46	185 71	