



COMPANY ARCO EXP. CO.

FIELD MIST

JOB NO.

LEASE BANZER

WELL NO. 34-16

DISTRICT

TYPE OF SURVEY SINGLE SHOT K.D.B. →

RADIOS OF CURVATURE

DATE 3/20/85

ENGINEER ABA

OBJECTIVE

SHEET 1 OF 3 DECLINATION 21°N

APR 1985
DEPT. OF GEOL. & MINERAL INDUSTRY

SURV. #	Measured Depth	Course Length	Drift Angle	Average Drift Angle	Vertical Depth	True Vertical Depth		Sect'n Diff.	Course Deviat'n	Drift Direction	Average Direction	DLS	COORDINATE DIFFERENCES				RECTANGULAR COORDINATES				
						North	South						East	West	North	South	East	West			
1	389	389	0°			389	00	0	00	—		0				0	00			0	00
2	636	247	0°			636	00	0	00	—		0				0	00			0	00
3	690	54	0°			690	00	0	00	—		0				0	00			0	00
4	755	65	2.75			754	98	1	53	N 11 E	4.23					1	53			0	30
5	818	63	5.75			817	80	6	16	N 2 E	4.86					6	16			0	83
6	882	64	8.00			881	33	13	82	N 5 W	3.75					13	82			0	63
7	913	31	9.25			911	98	18	46	N 1 W	4.47					18	46			0	38
8	945	32	11.0			943	48	24	08	N 4 E	6.11					24	08			0	53
9	1069	124	13.75			1064	59	50	64	N 3 W	2.52					50	64			0	76
10	1193	124	15.75			1184	50	82	16	N 3 W	1.61					82	16				0 89
11	1318	125	18.25			1304	03	118	68	N 1 W	2.05					118	68				2 17
12	1441	123	18.0			1420	92	156	94	N 0 W	0.32					156	94				2 50
13	1534	93	20.25			1508	78	187	40	N 2 E	2.52					187	40				1 97
14	1690	156	20.0			1654	29	243	57	N 3 E	1.15					243	57			0	48
15	1812	122	21.5			1766	37	291	61	N 5 E	2.15					291	61			3	84
16	1936	124	23.5			1877	32	346	71	N 5 E	3.23					346	71			8	66
17	2060	124	32.5			1984	14	409	40	N 5 E	3.23					409	40			14	14
18	2186	126	32.0			2087	65	480	87	N 6 E	3.66					480	87			21	03
19	2312	126	40.0			2186	24	558	99	N 4 E	2.58					558	99			27	86
20	2405	93	41.0			2256	96	619	24	N 4 E	1.08					619	24			32	07



COMPANY ARC Exploration
 LEASE BANZER
 TYPE OF SURVEY SINGLE SHOT
 ENGINEER ABA

FIELD MIST
 WELL NO. 34-16

JOB NO. _____
 DISTRICT _____
 DATE _____
 SHEET 2 OF 3 DECLINATION 21° N

DEPT. OF GEOLOGY
 STATE OF TEXAS

SURV. #	Measured Depth	Course Length	Drift Angle	Average Drift Angle	Vertical Depth	True Vertical Depth		Vertical Section	Sect'n Diff.	Course Deviat'n	Drift Direction	DLS	COORDINATE DIFFERENCES				RECTANGULAR COORDINATES										
						North	South						East	West	North	South	East	West									
21	2527		43°			2347	62	700	62			N 5 E	1.73					700	62			38	48				
22	2641		41.75			2431	84	777	10			N 6 E	1.25					777	10			45	84				
					P/B	70		2200		TIE		IN @ SURV #18															
23	2245		34.50			2135	53	515	12			N 7 E	4.35					515	12					24	93		
24	2275		32.0			2160	62	531	44			N 7 E	8.33					531	44					26	94		
25	2306		30.0			2187	19	547	30			N 5 E	7.26					547	30					28	61		
26	2337		27.0			2214	43	562	07			N 3 E	10.15					562	07					29	64		
27	2368		26 1/2			2242	11	576	01			N 2 E	2.17					576	01					30	25		
28	2400		25			2270	93	589	90			N 5 W	10.59					589	90					29	88		
29	2495		25 1/2			2356	85	630	06			N 10 W	2.31					630	06					24	59		
30	2649		26 1/2			2468	30	683	75			N 8 W	1.07					683	75					16	09		
31	2704		27 1/4			2543	95	722	21			N 6 W	1.82					722	21					11	37		
32	2817		28°			2643	84	774	20			N 14 W	3.32					774	20					2	20		
33	2907		28 1/2			2723	12	815	44			N 15 W	0.76					815	44							8	46
34	3023		29°			2824	82	869	99			N 9 W	2.52					869	99					20	06		
35	3147		28 1/4			2933	66	928	58			N 10 W	0.72					928	58					30	16		
36	3272		28 1/4			3043	77	986	85			U 10 W	0.00					986	85					40	74		
37	3395		28 1/2			3151	99	1044	58			N 8 W	0.80					1044	58					49	88		
38	3520		28 1/2			3261	84	1103	40			N 11 W	1.15					1103	40					59	73		
39	3645		28 1/2			3371	70	1162	05			N 10 W	0.38					1162	05					70	60		

2830 WEAR STREET
 BAKERSFIELD, CA 93308
 (805) 589-5264



COMPANY ARCO Exploration

FIELD MIST

JOB NO. 171985

LEASE BANZER

WELL NO. 34-16

DISTRICT OFFSHORE CENTRAL VALLEY

TYPE OF SURVEY SINGLE SHOT K.D.B.

DATE

ENGINEER RBA

OBJECTIVE

SHEET 3 OF 3 DECLINATION

SURV #	Measured Depth	Course Length	Drift Angle	Average Drift Angle	Vertical Depth	True Vertical Depth		Vertical Section	Sect'n Diff.	Course Deviat'n	Drift Direction	DLS	COORDINATE DIFFERENCES				RECTANGULAR COORDINATES					
						North	South						East	West	North	South	East	West				
40	3770		28 1/2			3481	55	1220 79			N 10 W	0 00					1220	79			80	95
41	3861		30			3560	94	1264 86			N 5 W	3 15					1264	86			86	76
42	3893		29			3588	70	1280 58			N 2 W	5 57					1280	58			87	72
43	3985		27 1/4			3669	93	1323 86			N 7 E	4 98					1323	86			85	83
44	4050		27			3727	78	1353 84			N 13 E	4 22					1353	84			80	68
45	4174		27			3838	77	1407 78			N 14 E	0 37					1407	78			67	54
46	4299		27 1/2			3949	39	1463 43			N 13 E	0 54					1463	43			54	18
47	4424		27 1/2			4060	27	1519 55			N 14 E	0 37					1519	55			40	71
48	4635		26 1/2			4248	27	1611 37			N 19 E	1 18					1611	37			13	51
49	4819		25			4413	99	1686 95			N 19 E	0 82					1686	95			12	52
50	4914		22 1/2			4500	94	1723 81			N 20 E	2 67					1723	81			25	29