

DIRECTIONAL DRILLING

DATE 6-1-61

COMPANY LONE STAR PRODUCING COMPANY
WELL FEDERAL N.M. #2
FIELD SOUTH PRAIRIE PENN
LOCATION
COUNTY ROOSEVELT
STATE NEW MEXICO
MAGNETIC DECLINATION



DATE: 6-1-61
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WELL NO.:	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	6572	ASSUMED VERTICAL		6572.00						
	6592	20	1° 30'	6591.99	.52	N 55° E	.30		.43	
	6634	42	3 00	6633.93	2.20	N 66 E	1.19		2.44	
	6670	36	3 00	6669.88	1.88	N 64 E	2.02		4.13	
	6813	143	3 30	6812.61	8.73	N 69 E	5.15		12.28	
	6897	84	4 00	6896.41	5.86	N 79 E	6.26		18.03	
	7003	106	3 45	7002.19	6.93	N 88 E	6.50		24.96	
	7156	153	2 15	7155.07	6.01	East	6.50		30.97	
	7282	126	2 45	7280.92	6.05	N 47 E	10.62		35.40	
	7448	166	2 15	7446.79	6.52	N 37 E	15.83		39.32	
	7587	139	2 15	7585.68	5.46	N 38 E	20.13		42.68	
	7710	123	2 15	7708.58	4.83	N 36 E	24.04		45.52	
	7834	124	2 00	7832.51	4.33	N 35 E	27.59		48.00	
	7904	70	1 00	7902.50	1.22	N 60 E	28.20		49.06	
	8141	237	2 30	8139.26	10.33	N 80 E	30.00		59.24	
	8275	134	3 15	8273.05	7.60	N 83 E	30.92		66.79	
	8441	166	3 15	8438.78	9.41	S 74 E	28.33		75.83	
	8558	117	3 00	8555.62	6.12	N 43 E	32.81		80.00	
	8642	84	3 00	8639.50	4.40	N 37 E	36.32		82.65	
	8796	154	3 00	8793.29	8.06	N 34 E	43.00		87.15	
	8907	111	3 45	8904.06	7.26	N 31 E	49.22		90.89	
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COMPANY: LONE STAR PRODUCING COMPANY
WELL NO: FEDERAL N.M. #2

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SOUTH PRAIRIE PENN FIELD
ROOSEVELT COUNTY, NEW MEXICO

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST
	9023	116	4 45	9019.67	9.60	N 30 E	57.53		95.69	
	9142	119	4 00	9138.38	8.31	N 32 E	64.57		100.09	
	9273	131	3 45	9269.10	8.57	N 34 E	71.67		104.88	
	9429	156	3 00	9424.88	8.16	N 39 E	78.01		110.01	
	9607	178	2 45	9602.67	8.54	N 44 E	84.15		115.95	
	9750	143	2 15	9745.56	5.62	N 44 E	88.20		119.85	
	CLOSURE: Direction-- N 53°39' E									
	Distance---- 148.81'									
	HOMCO OPERATOR: Glen Harbert									
	We certify that to the best of our knowledge and ability this is a true and correct report and that it affords a true and correct representation of the nature and conditions of the well at the time the survey was made.						Subscribed and sworn to before me this 1st day of June, A.D. 1961			
							at Houston, Harris County, Texas.			
	Houston Oil Field Material Company, Inc. Directional Drilling Services						Clarena Van Cantfort			
							CLARENA VAN CANTFORT Notary Public in and for Harris County, Texas My Commission Expires June 1, 1963			