

SIGNAL OIL AND GAS COMPANY

DEVIATION SURVEY

T. P. STATE NO. 140665 OFFICE O. C. C.
LEA COUNTY, NEW MEXICO

JUL 17 11 45 AM '66

JUL 26 11 29 AM '66

Measured Depth	Drift Angle	True Vertical Depth	Drift Direction	North	South	East	West
10,252'	4 $\frac{1}{4}$ °	10,247.56'	S-43°-W.		91.76'		2.12'
10,347'	4°	10,342.33'	S-53°-W.		95.75'		7.41'
10,377'	4 $\frac{1}{2}$ °	10,372.24'	S-40°-W.		97.55'		8.93'
10,440'	3 $\frac{1}{2}$ °	10,435.12'	S-04°-W.		101.39'		9.20'
10,475'	3 $\frac{1}{4}$ °	10,470.06'	S-10°-E.		103.34'		8.86'
10,505'	2 $\frac{1}{2}$ °	10,500.03'	S-26°-E.		104.52'		8.28'
10,537'	2-3/4°	10,531.99'	S-26°-E.		105.91'		7.60'
10,569'	2 $\frac{1}{2}$ °	10,563.96'	S-53°-E.		106.75'		6.48'
10,615'	4 $\frac{1}{4}$ °	10,609.83'	S-44°-E.		109.20'		4.12'
10,638'	5 $\frac{1}{2}$ °	10,632.72'	S-42°-E.		110.84'		2.65'
10,697'	6 $\frac{1}{4}$ °	10,691.37'	S-70°-E.		113.03'	3.38'	
10,728'	6 $\frac{1}{4}$ °	10,722.19'	S-81°-E.		113.56'	6.71'	
10,757'	6 $\frac{1}{2}$ °	10,751.00'	S-87°-E.		113.73'	9.99'	
10,789'	6-3/4°	10,782.18'	N-87°-E.		113.53'	13.75'	
10,848'	7-3/4°	10,841.24'	N-81°-E.		112.28'	21.61'	
10,878'	8 $\frac{1}{2}$ °	10,870.93'	N-79°-E.		111.46'	25.83'	
10,908'	9 $\frac{1}{4}$ °	10,900.52'	N-73°-E.		110.01'	30.57'	
10,940'	10 $\frac{1}{4}$ °	10,932.01'	N-69°-E.		107.97'	35.88'	
10,973'	11-3/4°	10,964.32'	N-67°-E.		105.35'	42.06'	
11,004'	12-3/4°	10,994.56'	N-65°-E.		102.45'	48.26'	
11,035'	13-3/4°	11,024.67'	N-63°-E.		99.10'	54.83'	
11,067'	15 $\frac{1}{2}$ °	11,055.54'	N-59°-E.		94.76'	62.05'	
11,097'	16 $\frac{1}{2}$ °	11,084.30'	N-57°-E.		90.12'	69.20'	
11,144'	18-3/4°	11,128.81'	N-52°-E.		80.82'	81.11'	
11,175'	19 $\frac{1}{2}$ °	11,158.03'	N-52°-E.		74.44'	89.27'	
11,207'	19-3/4°	11,188.15'	N-51°-E.		67.64'	97.67'	
11,236'	20-3/4°	11,215.27'	N-51°-E.		61.18'	105.65'	
11,273'	21°	11,249.87'	N-51°-E.		52.84'	115.95'	
11,305'	20 $\frac{1}{4}$ °	11,275.92'	N-53°-E.		46.20'	124.80'	
11,337'	20 $\frac{1}{4}$ °	11,306.98'	N-54°-E.		39.69'	133.76'	
11,368'	20°	11,336.11'	N-56°-E.		33.76'	142.55'	
11,432'	18-3/4°	11,396.89'	N-55°-E.		21.96'	159.40'	
11,463'	17 $\frac{1}{2}$ °	11,426.46'	N-55°-E.		16.62'	167.03'	
11,491'	16 $\frac{1}{2}$ °	11,453.31'	N-59°-E.		12.52'	173.84'	
11,522'	16 $\frac{1}{4}$ °	11,483.07'	N-63°-E.		8.59'	181.57'	
11,553'	15 $\frac{1}{2}$ °	11,512.98'	N-69°-E.		5.67'	189.18'	
11,586'	13 $\frac{1}{4}$ °	11,545.11'	N-77°-E.		3.97'	196.55'	
11,618'	12°	11,576.41'	N-84°-E.		3.27'	203.14'	
11,665'	11 $\frac{1}{2}$ °	11,622.47'	N-82°-E.		1.97'	212.42'	
11,697'	9 $\frac{1}{2}$ °	11,654.03'	N-84°-E.		1.42'	217.67'	
11,738'	8-3/4°	11,694.55'	N-83°-E.		.66'	223.87'	
11,830'	11-3/4°	11,784.62'	N-75°-E.	4.19'		241.97'	
11,924'	14 $\frac{1}{4}$ °	11,875.73'	N-68°-E.	12.86'		263.43'	
11,963'	15-3/4°	11,913.27'	N-67°-E.	17.00'		273.18'	
12,042'	17-3/4°	11,988.51'	N-63°-E.	27.94'		294.63'	
12,154'	19 $\frac{1}{4}$ °	12,094.25'	N-60°-E.	46.41'		326.62'	
12,272'	18-3/4°	12,205.98'	N-61°-E.	64.80'		359.79'	
12,341'	17-3/4°	12,271.70'	N-63°-E.	74.35'		378.54'	
12,427'	18 $\frac{1}{2}$ °	12,353.26'	N-63°-E.	86.74'		402.86'	
12,578'	18-3/4°	12,496.24'	N-63°-E.	108.77'		446.10'	
12,795'	17 $\frac{1}{2}$ °	12,703.19'	N-64°-E.	137.37'		504.74'	
12,975'	18 $\frac{1}{2}$ °	12,873.89'	N-63°-E.	163.30'		555.63'	
13,120'	18°	13,011.79'	N-66°-E.	181.53'		596.57'	

I, Margaret A. Hart, being first duly sworn on oath, state that I have knowledge of the facts and matter herein set forth and that the same are true and correct.

Name B. B. Lankford, Title Production Engineer
Subscribed and sworn to before me this 25th day of July, 1968.

Notary Public Midland County, Texas

My Comm. Expires
Notary Public