

# REPORT of SUB-SURFACE SURVEY

Arco Oil & Gas  
Banker  
# 44-21  
West Field, Ca.

JOB NO. 1197 DATE 2-6-85



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

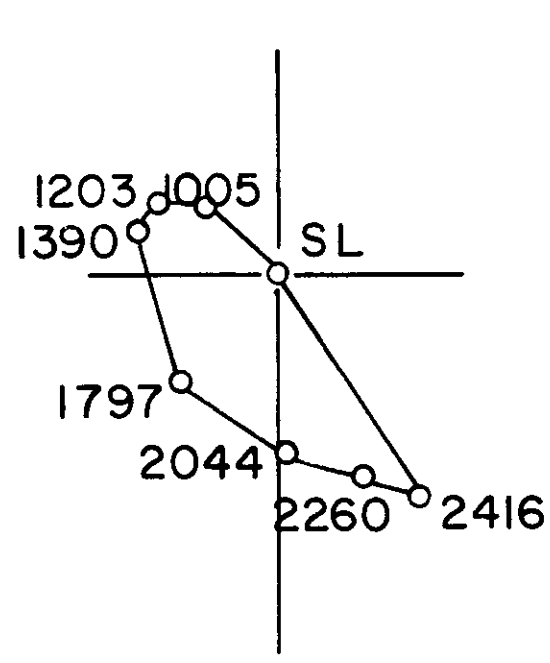


2830 WEAR STREET  
BAKERSFIELD, CALIFORNIA 93308  
(805) 589-5264

DATE 2-6-85 SHEET NO. 1 of 1  
CALCULATED BY EE JOB NO. 1197  
COMPANY Arco Oil & Gas LEASE Banker  
WELL NO. #44-21 FIELD West COUNTY Columbi STATE Ca.  
ADDRESS P.O. Box 147, Bakersfield, Ca. 93302

MEASURED DEPTH	COURSE LENGTH	TERMINAL ANGLE	MINIMUM CURVATURE	AVERAGE CURVATURE ANGLE	VERTICAL DEPTH			COURSE DEVIATION				TOTAL COORDINATES								
					COURSE	TOTAL	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST						
193		Vertical																		
380		Vertical																		
593		0°15'	N 41 W		533.00															
806		0°30'	N 41 W		805.99															
1005		0°45'	N 68 W		1004.97															
1203		0°15'	S 87 W		1202.96															
1390		1°	S 1 W		1389.95															
1578		1°	S 10 W		1577.92															
1797		1°45'	S 40 W		1796.86															
2044		1°15'	S 70 W		2043.78															
2260		1°15'	S 67 W		2259.73															
2416		1°	S 79 W		2415.70															
					Straight Hole Control															
					Lease Line 22' South of S.L.															
					Closure 14.09' S 32°35' E															
					11.87 SOUTH															
					7.59 EAST															

CLOSURE 14.09' S 32°35' E  
11.87 SOUTH  
7.59 EAST



SCALE 1"=10'

LEASE LINE 22' SOUTH OF S.L.