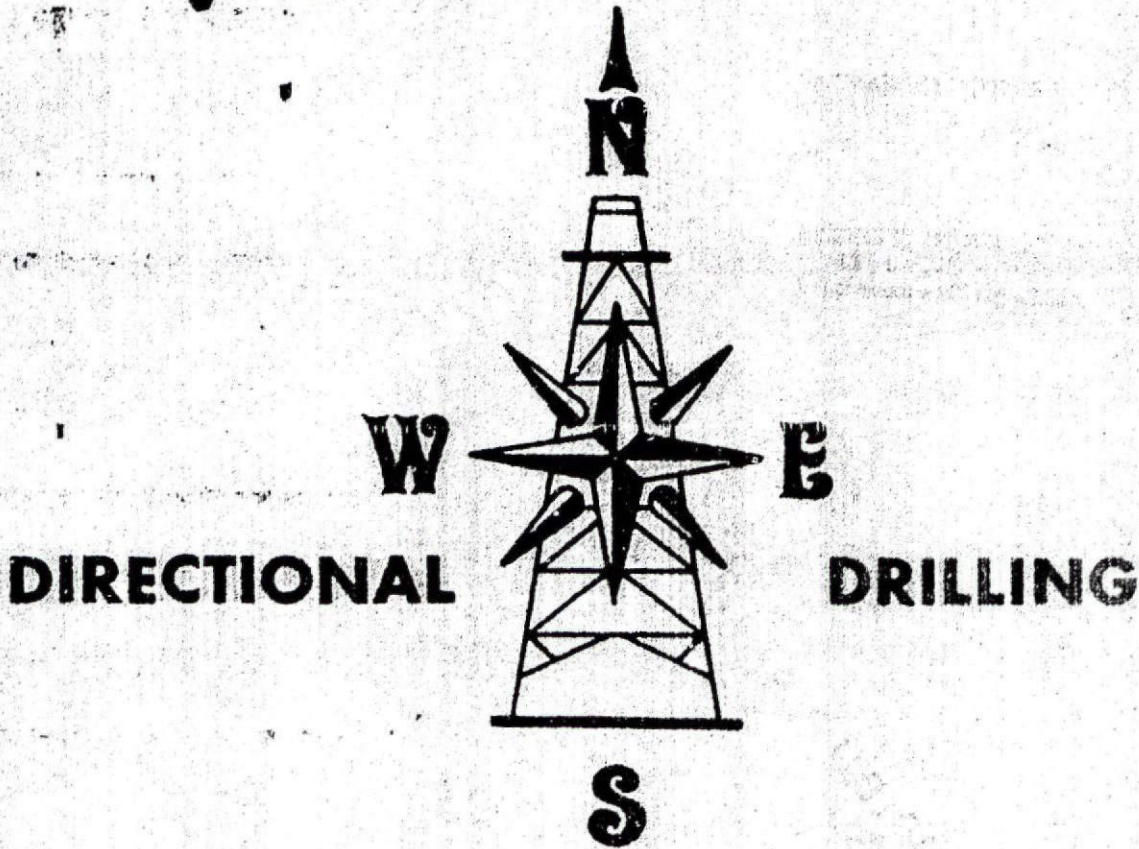


608174006170

G-2639#A7-11

Helmer

A-7 ST



RECORD of SURVEY

SHELL OFFSHORE INC.

OCSG 2639 WELL A-7 (ST)

MISSISSIPPI CANYON 194

COGNAC W.O. 2

2639



ds0057439

HELMER DIRECTIONAL DRILLING, INC
110 NOLAN ROAD
BRASSCAMP, LA 70610
(318) 837-2431

COMPANY SHELL OFFSHORE INC. (CGCMAC W.O. 2)
LEASE/WELL NAME OCS-C 2639 WELL A-7 (ST)
FIELD MISSISSIPPI CANYON 194
COUNTY STATE LA

RECORD OF SURVEY

KELLY BUSH ELEVATION - 100
MAGNETIC DECLINATION - 3 00' W
PLANE OF PROPOSAL DIRECTION 15 N 75 E

MISSISSIPPI CANYON 194
SLOT A701 WELL A-7 (ST
S. LANDS (LAW 83788)

RADIUS OF CURVATURE METHOD

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SUB SEA DEPTH (FT)	MEAS. DEPTH (FT)	TRUE VERTICAL DEPTH (FT)	DRIFT ANGLE D M	DRAFT DIREC (DEG)	VERTICAL SECTION (FT)	TOTAL COORDINATES		CLOSURE			DOG LEG SEVERITY DEC/10/97
						NORTHING (FT)	EASTING (FT)	DISTANCE (FT)	ANGLE D M S		
7519.50	9744	7519.60	47 45	N35 00E	4899.19	4045.80N	2757.61E	4899.59	N34 16 5E	0.00	
7785.06	10136	7895.06	47 00	N35 00E	5187.51	4296.19N	2923.05E	5199.00	N34 17 3EE	0.19	
8123.73	10629	8223.73	46 00	N42 00E	5543.50	4505.29N	3145.97E	5543.75	N34 33 49E	1.05	
8489.21	11155	8589.21	46 00	N42 00E	5919.27	4947.00N	3399.73E	5919.27	N35 2 13E	0.00	

BOTTOM HOLE CLOSURE: 5919.07 FEET AT N 05 00 W E

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