

Schlumberger

Oxy Nimitz MDP1 12 Federal 1H Gyro+MWD 0-19,935' Survey Geodetic Report (Def Survey)



30-015-44526

NM OIL CONSERVATION ARTESIA DISTRICT

JUN 15 2018

RECEIVED

Report Date: May 25, 2018 - 10:18 AM
Client: OXY
Field: NM Eddy County (HAD 83)
Structure / Slot: Oxy Nimitz MDP1 12 Federal 1H / Clay Nimitz MDP1 12 Federal 1H
Well: Oxy Nimitz MDP1 12 Federal 1H
Borehole: Original Borehole
UWI / API#: Unknown / 30-015-44526
Survey Name: Oxy Nimitz MDP1 12 Federal 1H Gyro+MWD 0-19,935'
Survey Date: May 07, 2018
Tort / AHD / ODI / ERD Ratio: 180.071' / 10714.307' R / 8.604 / 1.084
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 13' 33.3303", W 103° 50' 33.30622"
Location Grid N/E Y/X: N 440271 870 NUS, E 693090 210 NUS
CRS Grid Convergence Angle: 0.2017°
GHD Scale Factor: 0.99993547
Version / Patch: 2.10.720.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 1.605° (Grid North)
Vertical Section Origin: 0.000 R, 0.000 N
TVD Reference Datum: RKB+30'
TVD Reference Elevation: 3527.200 R above MSL
Seabed / Ground Elevation: 3497.200 R above MSL
Magnetic Declination: 6.930°
Total Gravity Field Strength: 995.4306mg (g 82065 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48020.508 nT
Magnetic Dip Angle: 50.960°
Declination Date: May 07, 2018
Magnetic Declination Model: HDGM 2018
North Reference: Grid North
Grid Convergence Used: 0.2617°
Total Corr Mag North-Grid North: 6.6680°
Local Coord Referenced To: Well Head

Table with columns: Comments, MD (ft), Incl (°), Azim Grid (°), TVD (ft), VBEC (ft), NS (ft), EW (ft), DLS (ft/100ft), Northing (ftUS), Easting (ftUS), Latitude (N/S °'"), Longitude (E/W °'").

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Survey Program:												
Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Motor Size	Casing Diameter (in)		Survey Tool Type	Borehole / Survey			
	1	0.000	30.000	1/08.425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Nimitz MDP1 12 Federal 1H Gyro+MWD 0-19.935'				
	1	30.000	30.000	Act Gns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Nimitz MDP1 12 Federal 1H Gyro+MWD 0-19.935'				
	1	30.000	508.700	Act Strs	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Nimitz MDP1 12 Federal 1H Gyro+MWD				
	1	508.700	19935.000	Act Strs	30.000	30.000	NAL_MWD_PLUS_0_5_DEG	Original Borehole / Oxy Nimitz MDP1 12 Federal 1H Gyro+MWD				



OXY



Borehole: Original Borehole	Well: Oxy Nimtz MDP1 12 Federal 1H	Field: NM Eddy County (NAD 83)	Structure: Oxy Nimtz MDP1 12 Federal 1H
Gravity & Magnetic Parameters		Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: HGM 2018	Op: 83 90	Date: 07-May-2019	Lat: N 32 19 53.83
MagDec: 6.82°	FS: 48020.50mT	Gravity FS: 998.43mgn (9.80665 E=vecc)	Well: Oxy Nimtz MDP1 12 Federal 1H
			TYD Ref: RKB-30(1027.20 above NSL)
			Plan: Oxy Nimtz MDP1 12 Federal 1H Rev0 APS 10Apr18

Grid
True ↑
Mag ↑

Grid North
Tot Corr (M->G 6.668°)
Mag Dec (6.930°)
Grid Conv (0.262°)

