

Scientific Drilling Inc.

Planning Report

Company: OXY USA Inc. Field: Hobbs San Andres Site: Lea County, New Mexico Well: NHU #24-613 Wellpath: OH Original hole	Date: 12/27/2000 Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North Vertical (TVD) Reference: Mean Sea Level 0.0 above Mean Sea Level Section (VS) Reference: Site (0.0E,0.0N,342.1Azi) Plan: Plan #1	Time: 16:00:50 Page: 1
--	---	---

Field: Hobbs San Andres

Map System: US State Plane Coordinate System 1927
Ellipsoid: Clarke - 1866
Sys Datum: Mean Sea Level

Map Zone: Texas, Central Zone
North Reference: True
Geomagnetic Model: igrf2000

Site: Lea County, New Mexico

Site Position: From: Local Only Position Uncertainty: Water Depth:	Northing: Easting:	ft ft ft ft	Latitude: Longitude: Magnetic Declination: Grid Convergence:	 0.00 deg deg
---	-------------------------------------	--	---	---------------------------------------

Well: NHU #24-613

Well Position: +N/-S From Slot: +E/-W Position Uncertainty:	0.0 ft 0.0 ft 0.0 ft	Northing: Easting :	ft ft	Latitude: Longitude:
--	---	--------------------------------------	------------------------	---------------------------------------

Wellpath: OH Original hole Vertical Section: +N/-S From: Site +E/-W Measured Depth Reference: Mean Sea Level	0.0 ft 0.0 ft 0.0 ft	Drilled From: Surface Tie-on Depth: ft V.Section Direction: 342.10 deg Above System Datum: Mean Sea Level	0.0 ft
---	---	--	---------------

Plan: Plan #1 Principal: Yes	Date Composed: 12/27/2000 Version: 1 Locked: No
---	--

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2667.1	3.76	342.06	2667.0	5.2	-1.7	2.25	2.25	-10.74	342.06	
4266.8	3.76	342.06	4263.2	105.0	-34.0	0.00	0.00	0.00	0.00	Midpoint 24-613
4339.9	3.76	342.06	4336.2	109.6	-35.5	0.00	0.00	0.00	0.00	

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1000.0	0.00	0.00	1000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1100.0	0.00	0.00	1100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1200.0	0.00	0.00	1200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1300.0	0.00	0.00	1300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1400.0	0.00	0.00	1400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1500.0	0.00	0.00	1500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1600.0	0.00	0.00	1600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1700.0	0.00	0.00	1700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1800.0	0.00	0.00	1800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1900.0	0.00	0.00	1900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2000.0	0.00	0.00	2000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2100.0	0.00	0.00	2100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Scientific Drilling Inc.

Planning Report

Company: OXY USA Inc.
Field: Hobbs San Andres
Site: Lea County, New Mexico
Well: NHU #24-613
Wellpath: OH Original hole

Date: 12/27/2000 **Time:** 16:00:50 **Page:** 2
Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North
Vertical (TVD) Reference: Mean Sea Level 0.0 above Mean Sea Level
Section (VS) Reference: Site (0.0E,0.0N,342.1Azi)
Plan: Plan #1

Section 1 : Start Hold

MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2200.0	0.00	0.00	2200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2300.0	0.00	0.00	2300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2400.0	0.00	0.00	2400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2500.0	0.00	0.00	2500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Section 2 : Start DLS 2.25 TFO 342.06

MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2600.0	2.25	342.06	2600.0	1.9	-0.6	2.0	2.25	2.25	0.00	0.00
2667.1	3.76	342.06	2667.0	5.2	-1.7	5.5	2.25	2.25	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2700.0	3.76	342.06	2699.8	7.3	-2.4	7.6	0.00	0.00	0.00	0.00
2800.0	3.76	342.06	2799.6	13.5	-4.4	14.2	0.00	0.00	0.00	0.00
2900.0	3.76	342.06	2899.4	19.7	-6.4	20.8	0.00	0.00	0.00	0.00
3000.0	3.76	342.06	2999.2	26.0	-8.4	27.3	0.00	0.00	0.00	0.00
3100.0	3.76	342.06	3098.9	32.2	-10.4	33.9	0.00	0.00	0.00	0.00
3200.0	3.76	342.06	3198.7	38.5	-12.5	40.4	0.00	0.00	0.00	0.00
3300.0	3.76	342.06	3298.5	44.7	-14.5	47.0	0.00	0.00	0.00	0.00
3400.0	3.76	342.06	3398.3	50.9	-16.5	53.5	0.00	0.00	0.00	0.00
3500.0	3.76	342.06	3498.1	57.2	-18.5	60.1	0.00	0.00	0.00	0.00
3600.0	3.76	342.06	3597.9	63.4	-20.5	66.6	0.00	0.00	0.00	0.00
3700.0	3.76	342.06	3697.7	69.6	-22.6	73.2	0.00	0.00	0.00	0.00
3800.0	3.76	342.06	3797.4	75.9	-24.6	79.8	0.00	0.00	0.00	0.00
3900.0	3.76	342.06	3897.2	82.1	-26.6	86.3	0.00	0.00	0.00	0.00
4000.0	3.76	342.06	3997.0	88.4	-28.6	92.9	0.00	0.00	0.00	0.00
4100.0	3.76	342.06	4096.8	94.6	-30.6	99.4	0.00	0.00	0.00	0.00
4200.0	3.76	342.06	4196.6	100.8	-32.7	106.0	0.00	0.00	0.00	0.00
4266.8	3.76	342.06	4263.2	105.0	-34.0	110.4	0.00	0.00	0.00	0.00

Section 4 : Start Hold

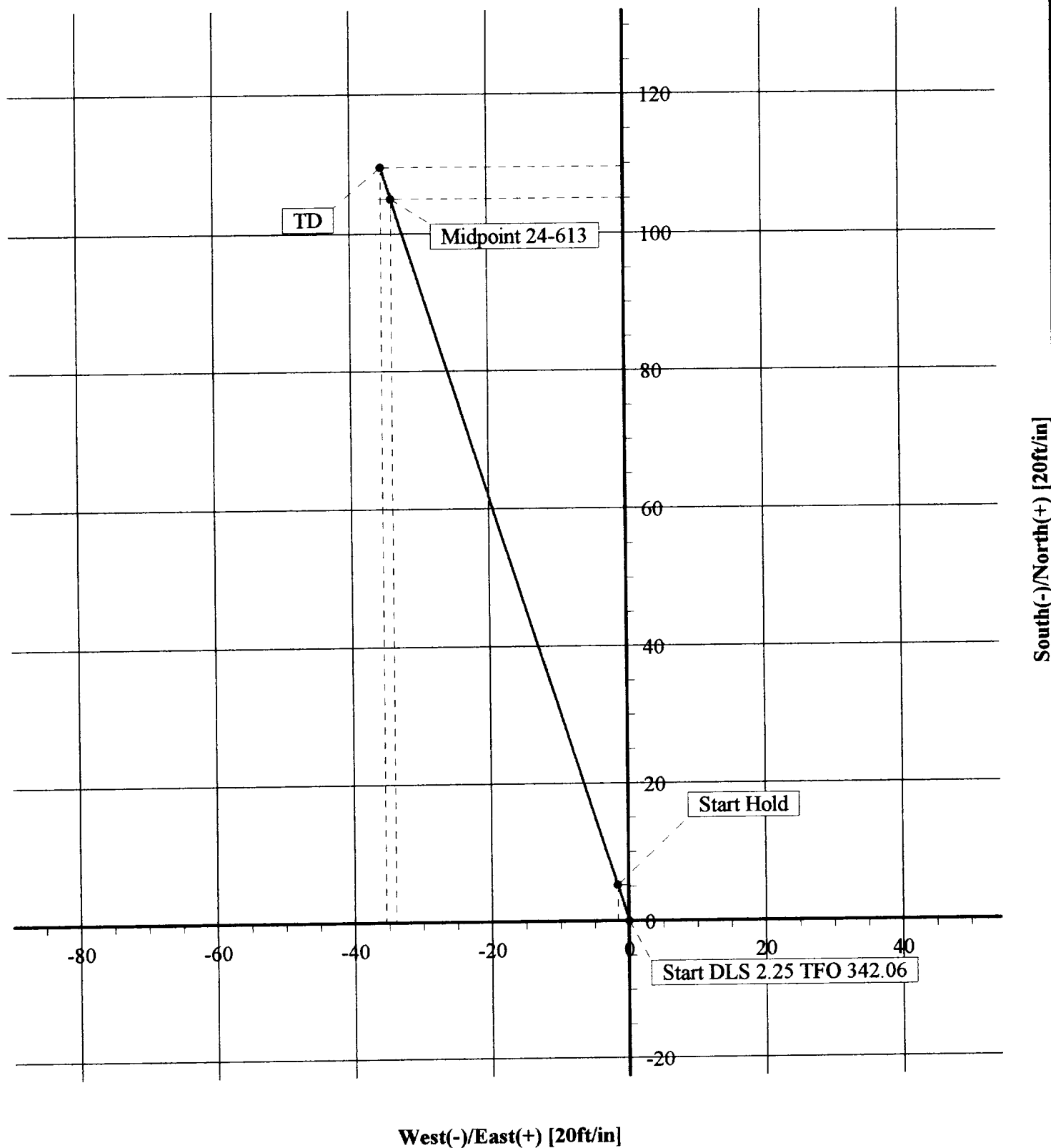
MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4300.0	3.76	342.06	4296.4	107.1	-34.7	112.5	0.00	0.00	0.00	0.00
4339.9	3.76	342.06	4336.2	109.6	-35.5	115.2	0.00	0.00	0.00	0.00

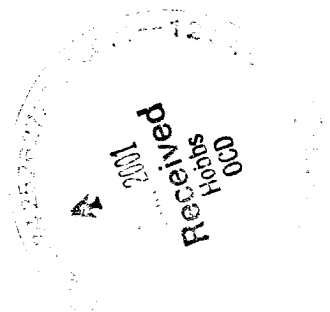


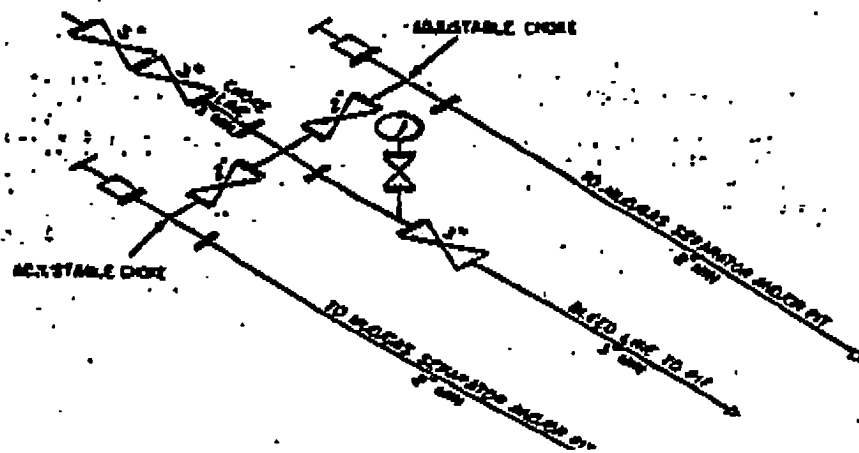
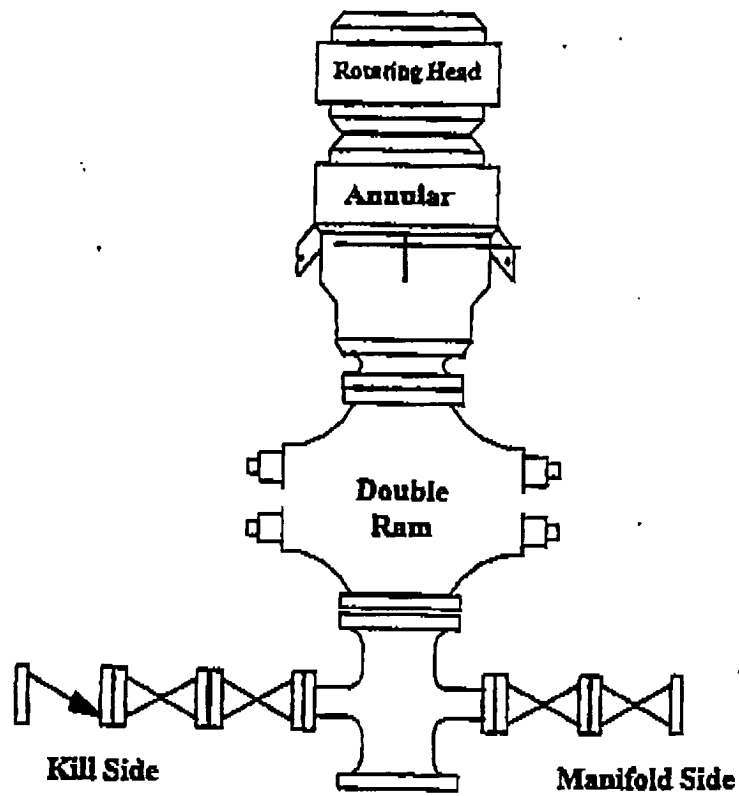
Scientific
Drilling

OXY USA Inc.

Field: Hobbs San Andres
Site: Lea County, New Mexico
Well: NHU #24-613
Wellpath: OH Original hole
Plan: Plan #1







ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

ELF

5/15/01