

Scientific Drilling Inc.

Planning Report

Company: OXY USA Inc.	Date: 12/27/2000	Time: 16:38:58	Page: 1
Field: Hobbs San Andres	Co-ordinate(N/E) Reference:	Site: Lea County, New Mexico, True North	
Site: Lea County, New Mexico	Vertical (TVD) Reference:	Mean Sea Level 0.0 above Mean Sea Level	
Well: NHU #29-634	Section (VS) Reference:	Site (0.0E,0.0N,69.3Azi)	
Wellpath: OH Original hole	Plan:	Plan #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:	Northing:	ft	Latitude:	
From: Local Only	Easting:	ft	Longitude:	
Position Uncertainty:	0.0 ft		Magnetic Declination:	0.00 deg
Water Depth:	0.0 ft		Grid Convergence:	deg

Well: NHU #29-634

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

Wellpath: OH Original hole

Drilled From: Surface
Tie-on Depth: ft
V.Section Direction: 69.30 deg

Vertical Section:	+N/-S	0.0 ft		
From: Site	+E/-W	0.0 ft		
Measured Depth Reference:	Mean Sea Level	0.0 ft	Above System Datum:	Mean Sea Level

Plan: Plan #1

Date Composed: 12/27/2000
Version: 1

Principal: Yes

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	
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2238.9	5.38	69.27	2238.6	4.0	10.5	2.25	2.25	28.99	69.27	
4139.6	5.38	69.27	4130.9	67.0	177.0	0.00	0.00	0.00	0.00	Midpoint 29-634
4316.4	5.38	69.27	4306.9	72.9	192.5	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

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Planning Report

Company: OXY USA Inc. Field: Hobbs San Andres Site: Lea County, New Mexico Well: NHU #29-634 Wellpath: OH Original hole	Date: 12/27/2000 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Plan:	Time: 16:38:58 Site: Lea County, New Mexico, True North Mean Sea Level 0.0 above Mean Sea Level Site (0.0E, 0.0N, 69.3Azi) Plan #1	Page: 2
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Section 2 : Start DLS 2.25 TFO 69.27

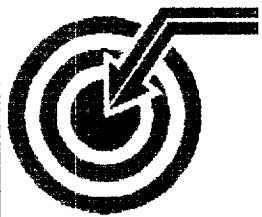
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.0	2.25	69.27	2100.0	0.7	1.8	2.0	2.25	2.25	0.00	0.00
2200.0	4.50	69.27	2199.8	2.8	7.3	7.8	2.25	2.25	0.00	0.00
2238.9	5.38	69.27	2238.6	4.0	10.5	11.2	2.25	2.25	0.00	0.00

Section 3 : 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
2300.0	5.38	69.27	2299.4	6.0	15.8	16.9	0.00	0.00	0.00	0.00
2400.0	5.38	69.27	2398.9	9.3	24.6	26.3	0.00	0.00	0.00	0.00
2500.0	5.38	69.27	2498.5	12.6	33.3	35.7	0.00	0.00	0.00	0.00
2600.0	5.38	69.27	2598.1	15.9	42.1	45.0	0.00	0.00	0.00	0.00
2700.0	5.38	69.27	2697.6	19.3	50.9	54.4	0.00	0.00	0.00	0.00
2800.0	5.38	69.27	2797.2	22.6	59.6	63.8	0.00	0.00	0.00	0.00
2900.0	5.38	69.27	2896.7	25.9	68.4	73.1	0.00	0.00	0.00	0.00
3000.0	5.38	69.27	2996.3	29.2	77.2	82.5	0.00	0.00	0.00	0.00
3100.0	5.38	69.27	3095.9	32.5	85.9	91.9	0.00	0.00	0.00	0.00
3200.0	5.38	69.27	3195.4	35.8	94.7	101.2	0.00	0.00	0.00	0.00
3300.0	5.38	69.27	3295.0	39.2	103.4	110.6	0.00	0.00	0.00	0.00
3400.0	5.38	69.27	3394.5	42.5	112.2	120.0	0.00	0.00	0.00	0.00
3500.0	5.38	69.27	3494.1	45.8	121.0	129.3	0.00	0.00	0.00	0.00
3600.0	5.38	69.27	3593.7	49.1	129.7	138.7	0.00	0.00	0.00	0.00
3700.0	5.38	69.27	3693.2	52.4	138.5	148.1	0.00	0.00	0.00	0.00
3800.0	5.38	69.27	3792.8	55.7	147.2	157.4	0.00	0.00	0.00	0.00
3900.0	5.38	69.27	3892.3	59.1	156.0	166.8	0.00	0.00	0.00	0.00
4000.0	5.38	69.27	3991.9	62.4	164.8	176.2	0.00	0.00	0.00	0.00
4100.0	5.38	69.27	4091.5	65.7	173.5	185.5	0.00	0.00	0.00	0.00
4139.6	5.38	69.27	4130.9	67.0	177.0	189.3	0.00	0.00	0.00	0.00

Section 4 : Start Hold

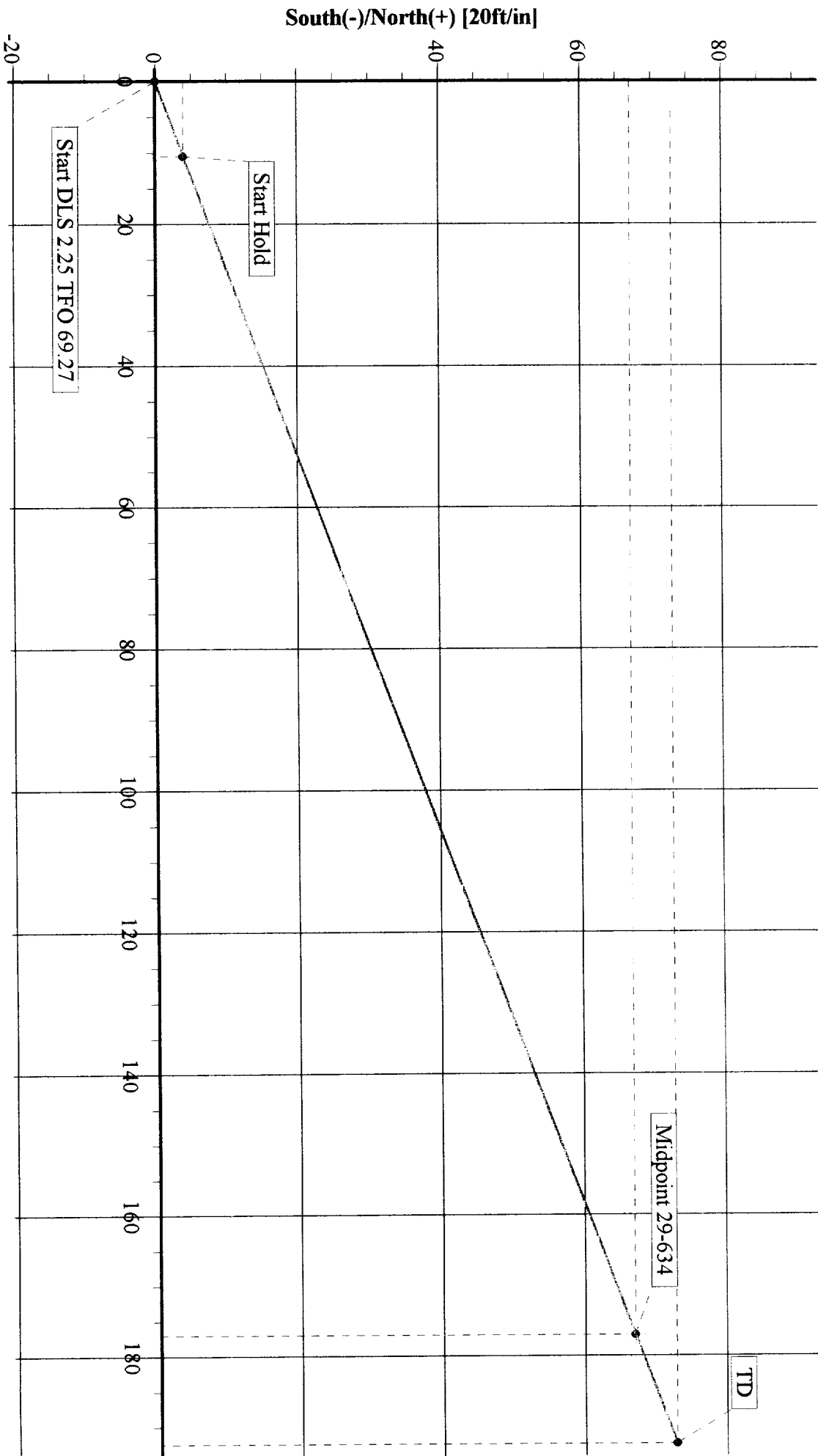
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4200.0	5.38	69.27	4191.0	69.0	182.3	194.9	0.00	0.00	0.00	0.00
4300.0	5.38	69.27	4290.6	72.3	191.1	204.3	0.00	0.00	0.00	0.00
4316.4	5.38	69.27	4306.9	72.9	192.5	205.8	0.00	0.00	0.00	0.00



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Drilling**

OXY USA Inc.

Field: Hobbs San Andres
Site: Lea County, New Mexico
Well: NHU #29-634
Wellpath: OH Original hole
Plan: Plan #1



ELF
4/22/01
5/16/01

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

