District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Departmer

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ **AMENDED REPORT**

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator name and Address	[2] OGRID Number
Occidental Permian Limited Partnership P.O. Box 4294 Houston, TX 77210-4294	157984
	[3] API Number 30-025-35541

[4] Property Code	[5] Property Name	[6] Well No.
19520	North Hobbs G/SA Unit	533

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	29	18-S	38-E		2326	South	1902	East	Lea

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	29	18-S	38-E		2264	South	2049	East	Lea

[9] Proposed Pool 1	[10] Proposed Pool 2
Hobbs; Grayburg - San Andres	

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
N	O	R	~~F~~ S	3646'
[16] Multiple	[17] Proposed Depth	[18] Formation	[19] Contractor	[20] Spud Date
No	4500'	San Andres	Key Energy	May, 2001

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
18	14	Conductor	40	50	Surface
12-1/4	8-5/8	24	1650	775	Surface
7-7/8	5-1/2	15.5	4500	950	Surface

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

Permit Expires 1 Year From Approval Date Unless Drilling Underway

Directional

See attached for proposed drilling program

BOP Program 3000# Ram Preventer

Well to be drilled as a directional well due to a surface obstruction situated above the bottomhole target

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Mark Stephens

Printed name: Mark Stephens

Title: Business Analyst (SG)

OIL CONSERVATION DIVISION

Approved by:

Title:

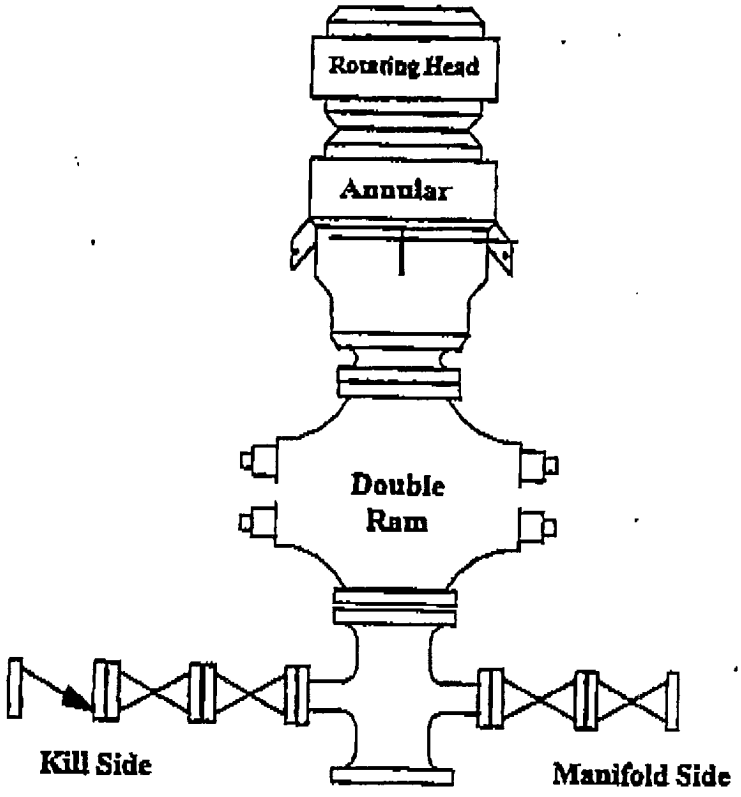
Approval Date: Expiration Date:

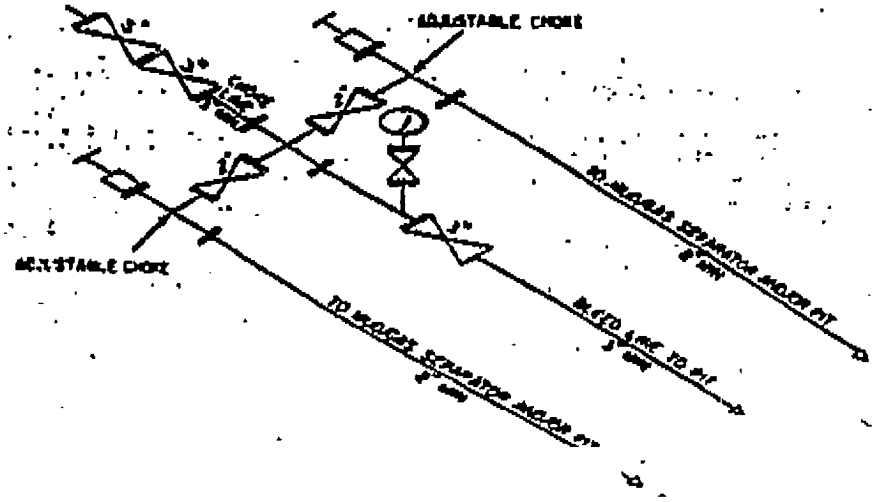
Proposed Drilling Program
North Hobbs G/SA Unit No. 533
Letter J, Sec. 29, T-18-S, R-38-E
Lea County, New Mexico

A 14" conductor will be set and cemented to surface with 50 sx. cement. A 12-1/4" hole will be drilled from surface to approximately 1650'. This will allow for protection of all water zones and casing off of the Red Beds. A full string of 8-5/8", 24#, J-55 surface casing will be run and set 25' into the top of the Rustler Anhydrite with cement circulated to surface. The cement will be allowed to set for a minimum of eight (8) hours (minimum 500# compressive strength) and will then be tested to 1500 psi for 30 minutes before drilling resumes. After the casing is run and cemented, weld on 8-5/8" X 11" 3M casinghead housing and nipple up BOP stack (3000# Ram Preventer).

A 7-7/8" hole will be drilled out from surface casing point (1650') to +/- 4500' TVD. A full string of 5-1/2", 15.5#, J-55 production casing will be run to TD and cemented to surface (casing test to 1500 psi will be done by the completion rig).

–


Rotating Head
Annular
Double
Ram
Kill Side
Manifold Side



DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-35541	31920	HOBBS:GRAYBURG - SAN ANDRES

Property Code	Property Name	Well Number
19520	NORTH HOBBS G/SA UNIT	533

OGRID No.	Operator Name	Elevation
157984	Occidental Permian Limited Partnership	3646

Surface Location

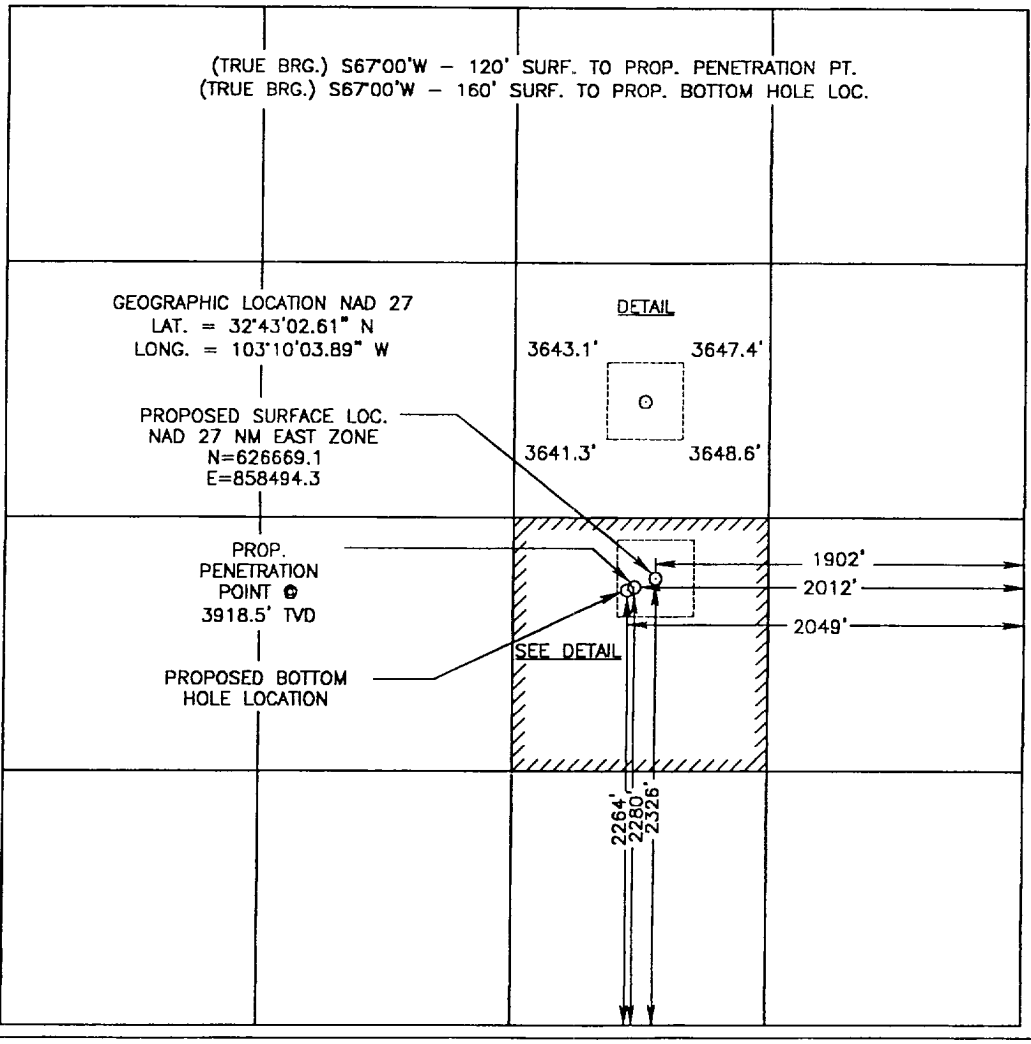
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	29	18 S	38 E		2326	SOUTH	1902	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	29	18 S	38 E		2264	SOUTH	2049	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40	I	U	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Mark Stephens
Signature

Mark Stephens
Printed Name

Business Analyst (SG)
Title

April 26, 2001
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

FEBRUARY 23, 2001
Date Surveyed LMP

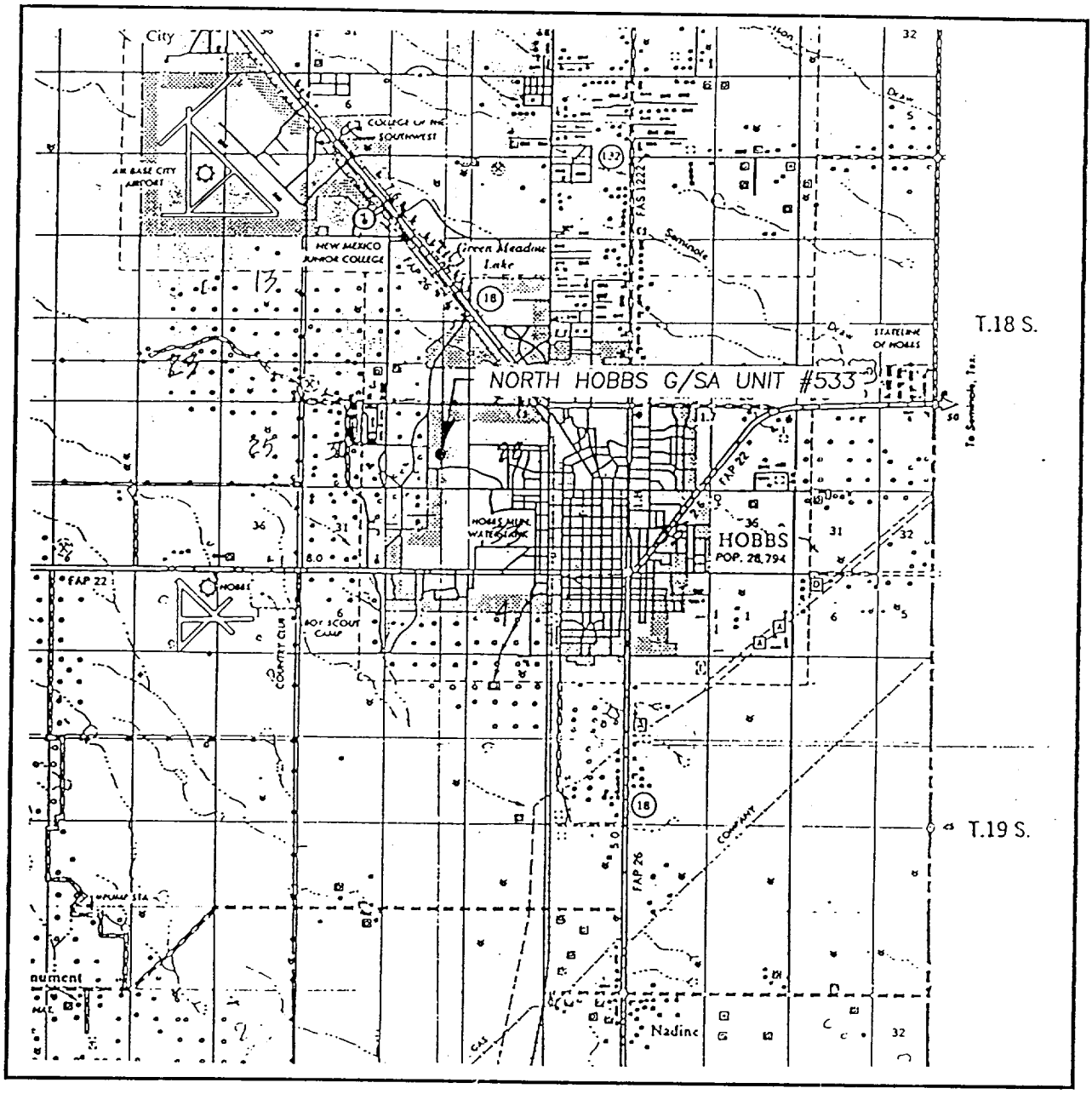
Signature & Seal of Professional Surveyor

4/25/01

01-11-0287

Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 29 TWP. 18-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2326' FSL & 1902' FEL

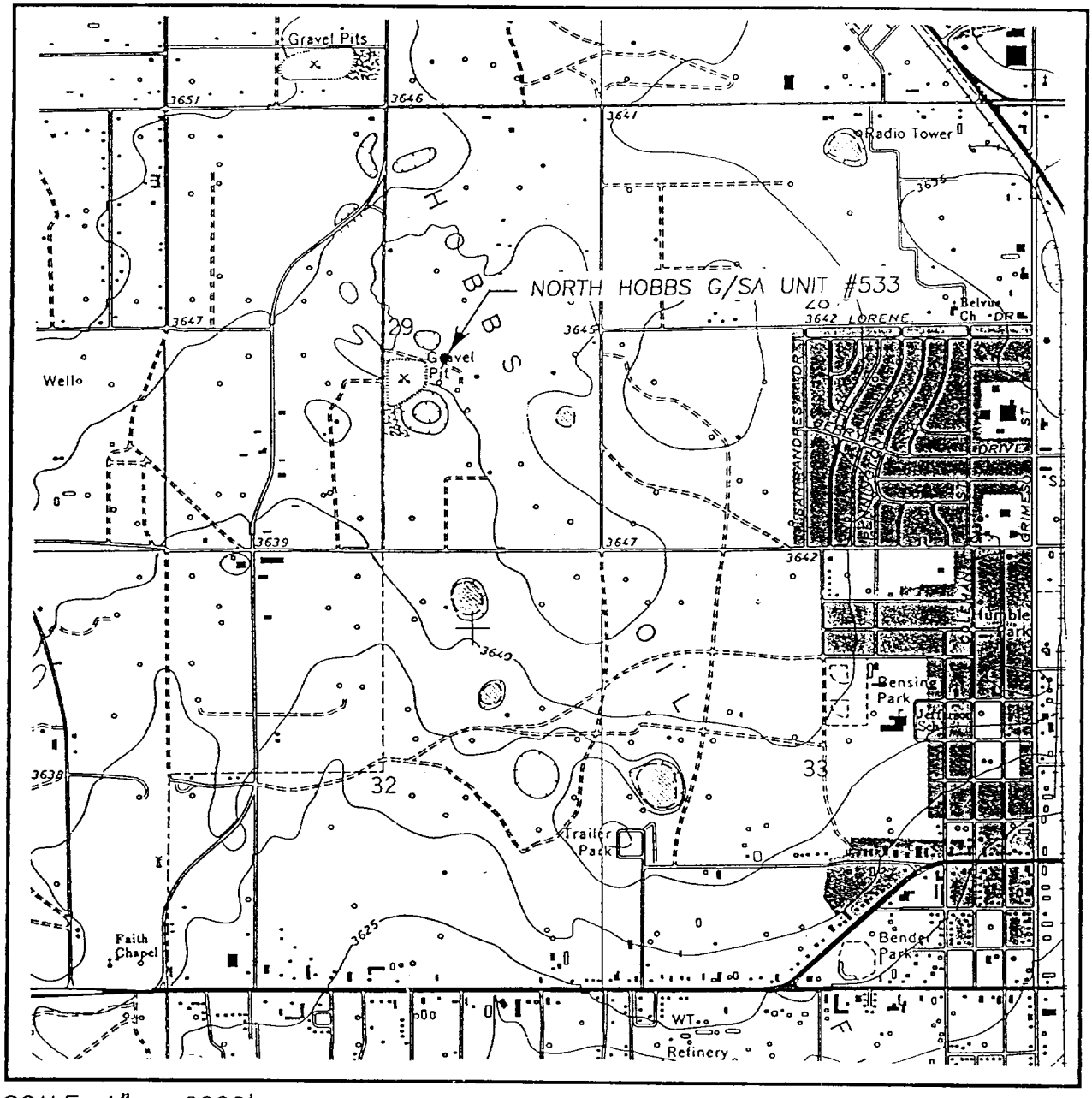
ELEVATION 3646

OPERATOR OCCIDENTAL PERMIAN LTD.

LEASE NORTH HOBBS G/SA UNIT

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 5'
HOBBS, N.M.

SEC. 29 TWP. 18-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2326' FSL & 1902' FEL

ELEVATION 3646

OPERATOR OCCIDENTAL PERMIAN LTD.

LEASE NORTH HOBBS G/SA UNIT

U.S.G.S. TOPOGRAPHIC MAP
HOBBS, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

Scientific Drilling

SDI
Planning Report

Company:	OXY Permian	**Date:** 4/26/2001	**Time:** 11:04:38	**Page:**	1
Field:	Hobbs San Andres	**Co-ordinate(NE) Reference:**	Site: Lea County, New Mexico, True North		
Site:	Lea County, New Mexico	**Vertical (TVD) Reference:**	System: Mean Sea Level		
Well:	NHU #29-533	**Section (VS) Reference:**	Site (0.00N,0.00E,247.23Azi)		
Wellpath:	1	**Plan:**	Plan #1		

Field: Hobbs San Andres

Map System:	US State Plane Coordinate System 1927	**Map Zone:**	New Mexico, Eastern Zone
Geo Datum:	Clarke 1866	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	igrf2000

Site: Lea County, New Mexico

Site Position:		**Northing:**	617517.68 ft	**Latitude:**	32	41	31.970 N
From:	Geographic	**Easting:**	859408.71 ft	**Longitude:**	103	9	54.370 W
Position Uncertainty:	0.0 ft			**North Reference:**			True
Ground Level:	0.0 ft			**Grid Convergence:**			0.00 deg

Well: NHU #29-533 **Slot Name:**

Well Position:	+N/-S	0.0 ft	**Northing:**	617517.68 ft	**Latitude:**	32	41	31.970 N
	+E/-W	0.0 ft	**Easting:**	859408.71 ft	**Longitude:**	103	9	54.370 W
Position Uncertainty:		0.0 ft						

Wellpath: 1

Current Datum:	Mean Sea Level	**Height**	0.0 ft	**Drilled From:**	Surface
Magnetic Data:	4/12/2001			**Tie-on Depth:**	0.0 ft
Field Strength:	50076 nT			**Above System Datum:**	Mean Sea Level
Vertical Section:	**Depth From (TVD)**	**+N/-S**	**+E/-W**	**Declination:**	8.66 deg
	ft	ft	ft	**Mag Dip Angle:**	60.97 deg
				Direction	deg
	4165.5	0.0	0.0		247.23

Plan: Plan #1 **Date Composed:** 4/12/2001
Version: 1
Principal: Yes **Tied-to:** From Surface

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	
2732.9	5.24	247.23	2732.6	-4.1	-9.8	2.25	2.25	-48.42	247.23	
4171.8	5.24	247.23	4165.5	-55.0	-131.0	0.00	0.00	0.00	0.00	Midpay 29-533
4357.6	5.24	247.23	4350.5	-61.6	-146.6	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


MAY 2001
RECEIVED
Hobbs
OCD

Scientific Drilling

SDI
Planning Report

Company:	OXY Permian	**Date:** 4/26/2001	**Time:** 11:04:38	**Page:**	2
Field:	Hobbs San Andres	**Co-ordinate(NE) Reference:**	Site: Lea County, New Mexico, True North		
Site:	Lea County, New Mexico	**Vertical (TVD) Reference:**	System: Mean Sea Level		
Well:	NHU #29-533	**Section (VS) Reference:**	Site (0.00N,0.00E,247.23Azi)		
Wellpath:	1	**Plan:**	Plan #1		

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
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
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 247.23

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
2600.0	2.25	247.23	2600.0	-0.8	-1.8	2.0	2.25	2.25	0.00	0.00
2700.0	4.50	247.23	2699.8	-3.0	-7.2	7.8	2.25	2.25	0.00	0.00
2732.9	5.24	247.23	2732.6	-4.1	-9.8	10.6	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
2800.0	5.24	247.23	2799.4	-6.5	-15.5	16.8	0.00	0.00	0.00	180.00
2900.0	5.24	247.23	2899.0	-10.0	-23.9	25.9	0.00	0.00	0.00	180.00
3000.0	5.24	247.23	2998.6	-13.6	-32.3	35.0	0.00	0.00	0.00	180.00
3100.0	5.24	247.23	3098.1	-17.1	-40.7	44.2	0.00	0.00	0.00	180.00
3200.0	5.24	247.23	3197.7	-20.6	-49.2	53.3	0.00	0.00	0.00	180.00
3300.0	5.24	247.23	3297.3	-24.2	-57.6	62.4	0.00	0.00	0.00	180.00
3400.0	5.24	247.23	3396.9	-27.7	-66.0	71.6	0.00	0.00	0.00	180.00
3500.0	5.24	247.23	3496.5	-31.2	-74.4	80.7	0.00	0.00	0.00	180.00
3600.0	5.24	247.23	3596.1	-34.8	-82.8	89.8	0.00	0.00	0.00	180.00
3700.0	5.24	247.23	3695.6	-38.3	-91.3	99.0	0.00	0.00	0.00	180.00
3800.0	5.24	247.23	3795.2	-41.9	-99.7	108.1	0.00	0.00	0.00	180.00
3900.0	5.24	247.23	3894.8	-45.4	-108.1	117.2	0.00	0.00	0.00	180.00
4000.0	5.24	247.23	3994.4	-48.9	-116.5	126.4	0.00	0.00	0.00	180.00
4100.0	5.24	247.23	4094.0	-52.5	-124.9	135.5	0.00	0.00	0.00	180.00
4171.8	5.24	247.23	4165.5	-55.0	-131.0	142.1	0.00	0.00	0.00	180.00

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	5.24	247.23	4193.5	-56.0	-133.4	144.6	0.00	0.00	0.00	180.00
4300.0	5.24	247.23	4293.1	-59.5	-141.8	153.8	0.00	0.00	0.00	180.00
4357.6	5.24	247.23	4350.5	-61.6	-146.6	159.0	0.00	0.00	0.00	180.00

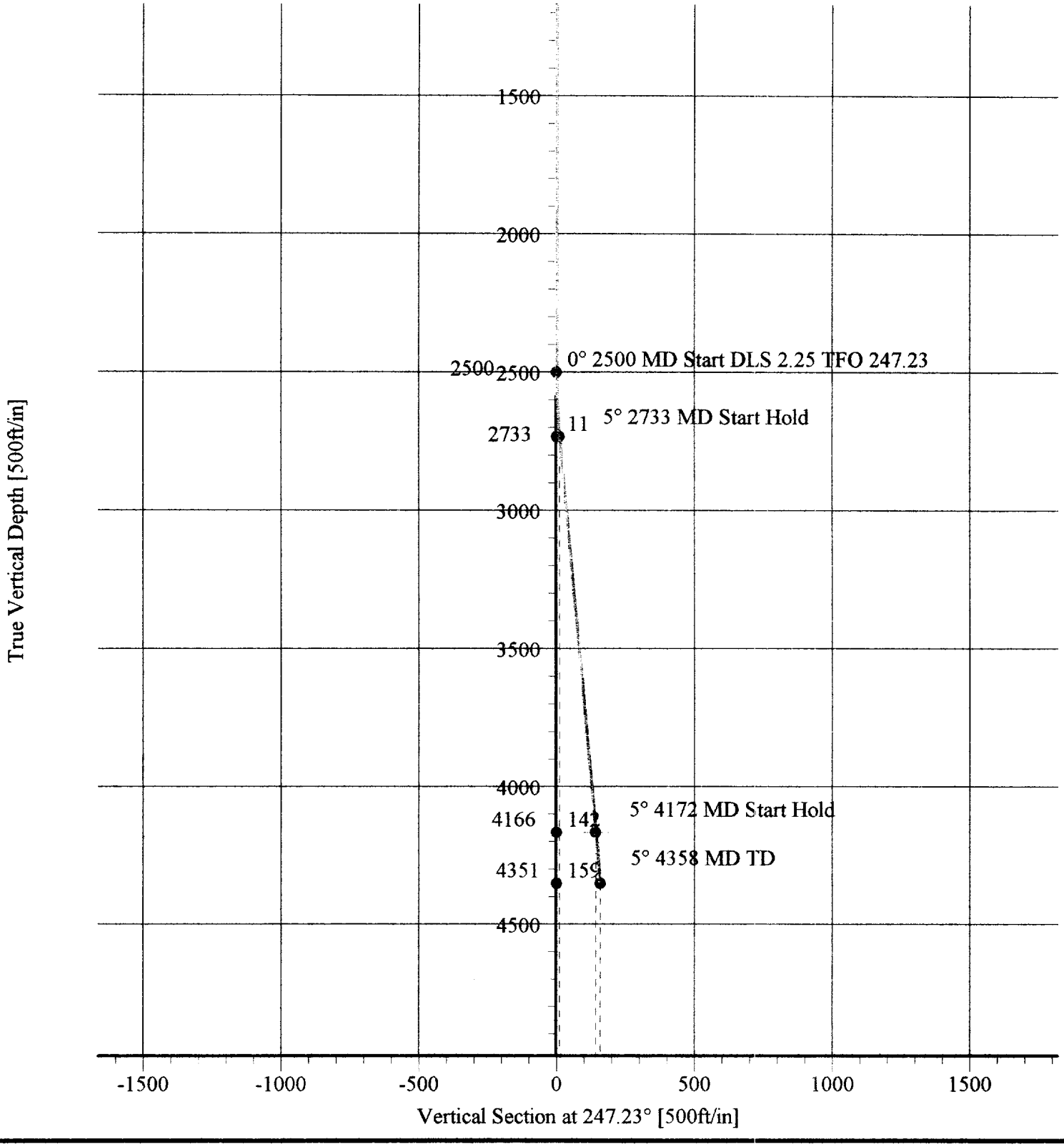
ELF 7/18/01

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

Scientific Drilling

OXY Permian

Field: Hobbs San Andres
Site: Lea County, New Mexico
Well: NHU #29-533
Plan: Plan #1




MAY 2001

Scientific Drilling

OXY Permian

Field: Hobbs San Andres
Site: Lea County, New Mexico
Well: NHU #29-533
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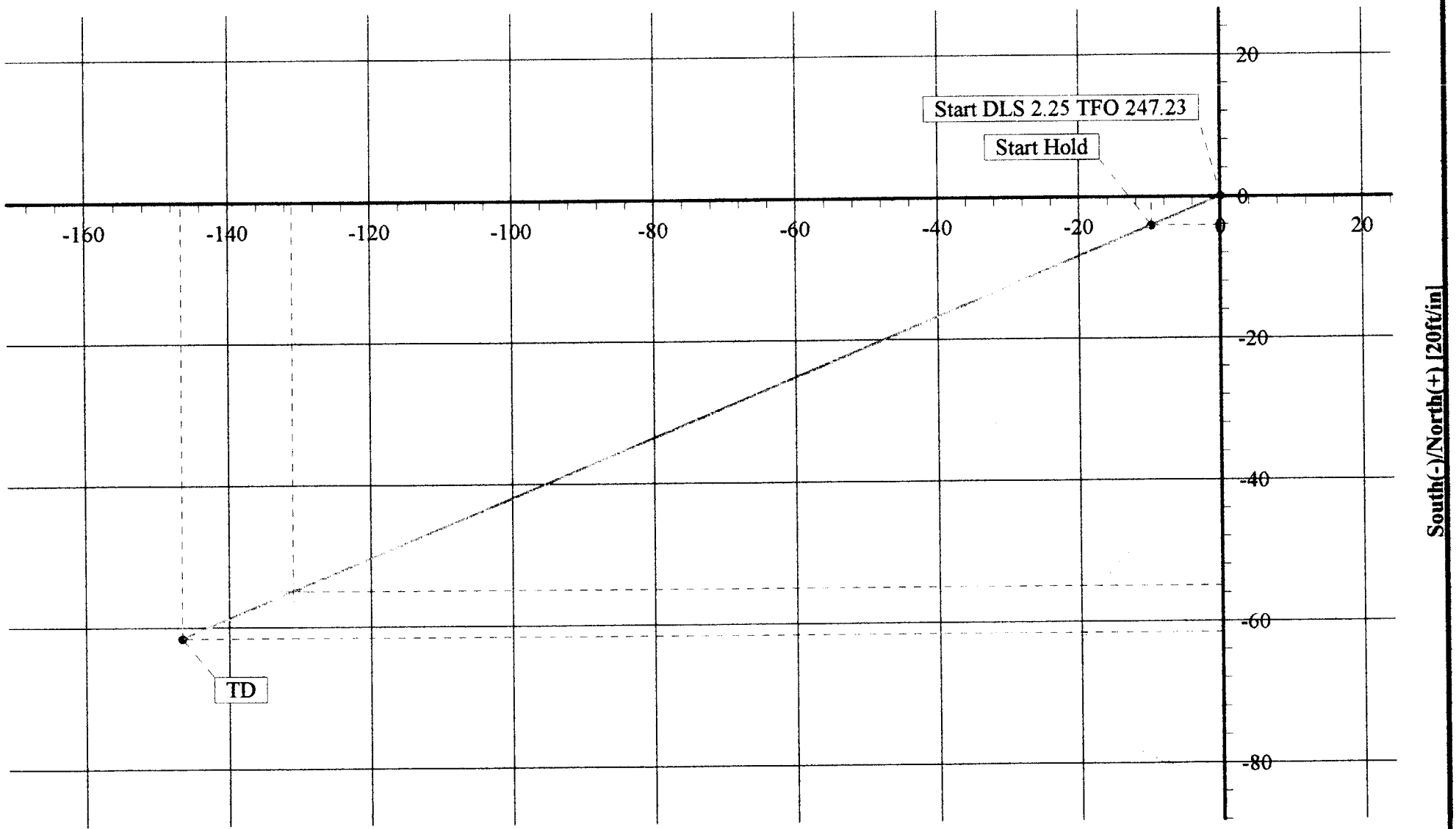

ELF 7/18/01

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