

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-0720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED

DD 11 2013

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-40573	Pool Code 97565	Pool Name H. Seven Rivers Gloria Yeso
Property Code 39388	Property Name QUICK DRAW 10 BD	Well Number 1H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3422'

Surface Location

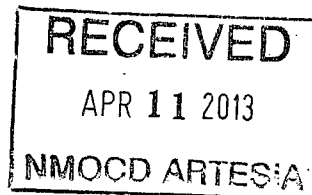
UL or lot No. B	Section 10	Township 20 S	Range 25 E	Lot Idn	Feet from the 110	North/South line NORTH	Feet from the 2290	East/West line EAST	County EDDY
---------------------------	----------------------	-------------------------	----------------------	---------	-----------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------

Bottom Hole Location If Different From Surface

UL or lot No. 0	Section 10	Township 20 S	Range 25 E	Lot Idn	Feet from the 351	North/South line South	Feet from the 2249	East/West line East	County Eddy
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

SURFACE LOCATION Lat - N 32°35'41.54" Long - W 104°28'15.64" NMSPC- N 580153.806 E 457598.211 (NAD-27)	End of 0.7" Csg → Project Area → Producing Area	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <u>G.M. Young</u> Date <u>1/6/13</u> Printed Name <u>N.M. Young</u> Email Address _____
End of well bore →	2290'	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 supervision, and that the same is true and correct to the best of my belief. DECEMBER 18, 2011 Date Surveyed Signature & Seal of Professional Surveyor W.O. No. 25800 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 25800



Mewbourne Oil Co

Eddy County, New Mexico

Section 10-20S-25E

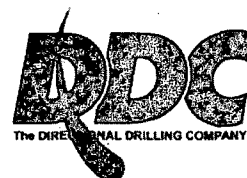
Quick Draw 10 BO #1H

Wellbore #1

Design: Wellbore #1

DDC Survey Report

13 March, 2013



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Eddy County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Section 10-20S-25E		
Site Position:		Northing:	579,886.88 usft
From:	Map	Easting:	454,317.67 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 35' 38.857 N
		Longitude:	104° 28' 53.985 W
		Grid Convergence:	-0.08 °

Well	Quick Draw 10 BO #1H		
Well Position	+N/-S	0.0 usft	Northing: 580,153.81 usft
	+E/-W	0.0 usft	Easting: 457,598.21 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 35' 41.542 N
		Longitude:	104° 28' 15.643 W
		Ground Level:	3,422.0 usft

Wellbore	Wellbore #1		
-----------------	-------------	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/27/2013	7.82	60.33	48,569

Design	Wellbore #1		
---------------	-------------	--	--

Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.48

Survey Program		Date 3/13/2013		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	2,186.0	Gyro (Wellbore #1)	Good_gyro	Good Gyro
2,253.0	7,500.0	MWD (Wellbore #1)	MWD default	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.64	316.72	100.0	0.4	-0.4	-0.4	0.64	0.64	0.00
200.0	0.52	340.64	200.0	1.2	-0.9	-1.2	0.27	-0.12	23.92
300.0	0.81	329.43	300.0	2.3	-1.4	-2.3	0.32	0.29	-11.21
400.0	0.84	291.04	400.0	3.1	-2.5	-3.1	0.54	0.03	-38.39
500.0	0.72	281.69	500.0	3.5	-3.8	-3.5	0.17	-0.12	-9.35
600.0	0.91	275.55	600.0	3.7	-5.2	-3.7	0.21	0.19	-6.14
700.0	1.17	282.94	699.9	4.0	-7.0	-4.0	0.29	0.26	7.39
800.0	0.84	288.61	799.9	4.5	-8.6	-4.4	0.34	-0.33	5.67
900.0	0.79	293.12	899.9	5.0	-10.0	-4.9	0.08	-0.05	4.51

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.0	0.77	291.33	999.9	5.5	-11.2	-5.4	0.03	-0.02	-1.79
1,100.0	0.95	311.89	1,099.9	6.3	-12.5	-6.2	0.35	0.18	20.56
1,200.0	0.79	294.22	1,199.9	7.2	-13.7	-7.1	0.31	-0.16	-17.67
1,300.0	1.31	297.50	1,299.9	8.0	-15.4	-7.8	0.52	0.52	3.28
1,400.0	0.85	307.74	1,399.8	9.0	-17.0	-8.8	0.50	-0.46	10.24
1,500.0	0.68	296.67	1,499.8	9.7	-18.1	-9.5	0.22	-0.17	-11.07
1,600.0	0.67	280.42	1,599.8	10.1	-19.2	-9.9	0.19	-0.01	-16.25
1,700.0	0.95	281.75	1,699.8	10.3	-20.6	-10.2	0.28	0.28	1.33
1,800.0	0.98	276.28	1,799.8	10.6	-22.2	-10.4	0.10	0.03	-5.47
1,900.0	1.13	286.95	1,899.8	11.0	-24.0	-10.8	0.25	0.15	10.67
2,000.0	1.09	280.01	1,999.8	11.4	-25.9	-11.2	0.14	-0.04	-6.94
2,100.0	1.13	282.82	2,099.8	11.8	-27.8	-11.6	0.07	0.04	2.81
TIE IN @ 2186' MD / 2185.7' TVD									
2,186.0	1.09	281.59	2,185.7	12.2	-29.4	-11.9	0.05	-0.05	-1.43
2,253.0	1.10	278.20	2,252.7	12.4	-30.7	-12.1	0.10	0.01	-5.06
2,285.0	1.20	293.10	2,284.7	12.6	-31.3	-12.3	0.98	0.31	46.56
2,316.0	1.10	251.70	2,315.7	12.6	-31.9	-12.3	2.64	-0.32	-133.55
2,348.0	4.30	194.70	2,347.7	11.3	-32.5	-11.1	11.92	10.00	-178.13
2,380.0	8.00	186.90	2,379.5	8.0	-33.1	-7.7	11.83	11.56	-24.38
2,411.0	11.80	182.70	2,410.0	2.6	-33.5	-2.4	12.47	12.26	-13.55
2,443.0	16.20	178.70	2,441.1	-5.1	-33.5	5.4	14.07	13.75	-12.50
2,474.0	20.40	177.30	2,470.5	-14.8	-33.2	15.1	13.62	13.55	-4.52
2,506.0	24.40	178.60	2,500.1	-27.0	-32.7	27.3	12.59	12.50	4.06
2,537.0	28.00	179.70	2,527.9	-40.7	-32.6	40.9	11.72	11.61	3.55
2,569.0	31.30	180.00	2,555.7	-56.5	-32.5	56.8	10.32	10.31	0.94
2,600.0	34.70	179.80	2,581.7	-73.4	-32.5	73.7	10.97	10.97	-0.65
2,632.0	38.30	180.10	2,607.4	-92.4	-32.5	92.7	11.26	11.25	0.94
2,663.0	41.90	180.00	2,631.1	-112.4	-32.5	112.7	11.61	11.61	-0.32
2,695.0	46.10	180.50	2,654.1	-134.6	-32.6	134.9	13.17	13.13	1.56
2,726.0	49.30	181.50	2,675.0	-157.5	-33.0	157.8	10.59	10.32	3.23
2,758.0	52.70	182.40	2,695.1	-182.4	-33.8	182.7	10.85	10.63	2.81
2,789.0	55.80	182.20	2,713.2	-207.5	-34.9	207.8	10.01	10.00	-0.65
CROSSED HARDLINE @ 2804.4' MD / 2721.7' TVD									
2,804.4	57.48	181.76	2,721.7	-220.4	-35.3	220.7	11.19	10.93	-2.87
2,821.0	59.30	181.30	2,730.4	-234.5	-35.7	234.8	11.19	10.94	-2.76
2,852.0	63.30	179.80	2,745.3	-261.7	-35.9	262.0	13.58	12.90	-4.84
2,884.0	67.30	179.00	2,758.6	-290.7	-35.6	291.0	12.70	12.50	-2.50
2,915.0	71.30	178.70	2,769.6	-319.7	-35.0	320.0	12.93	12.90	-0.97
2,947.0	74.70	178.90	2,779.0	-350.3	-34.4	350.6	10.64	10.63	0.63
2,979.0	77.80	179.60	2,786.6	-381.4	-34.0	381.7	9.92	9.69	2.19
3,010.0	81.80	180.70	2,792.1	-411.9	-34.1	412.2	13.37	12.90	3.55
3,047.0	85.60	180.90	2,796.1	-448.7	-34.6	448.9	10.28	10.27	0.54
3,094.0	89.40	180.80	2,798.2	-495.6	-35.3	495.9	8.09	8.09	-0.21

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,126.0	89.20	181.50	2,798.6	-527.6	-35.9	527.9	2.27	-0.63	2.19
3,157.0	89.00	181.90	2,799.0	-558.6	-36.8	558.9	1.44	-0.65	1.29
3,221.0	89.50	181.40	2,799.9	-622.6	-38.7	622.9	1.10	0.78	-0.78
3,284.0	89.30	181.60	2,800.5	-685.5	-40.3	685.8	0.45	-0.32	0.32
3,347.0	88.40	181.50	2,801.8	-748.5	-42.0	748.8	1.44	-1.43	-0.16
3,410.0	89.20	181.80	2,803.1	-811.5	-43.9	811.8	1.36	1.27	0.48
3,474.0	89.30	180.40	2,804.0	-875.4	-45.1	875.8	2.19	0.16	-2.19
3,537.0	89.50	179.90	2,804.6	-938.4	-45.2	938.8	0.85	0.32	-0.79
3,600.0	89.80	179.00	2,805.0	-1,001.4	-44.6	1,001.8	1.51	0.48	-1.43
3,664.0	89.30	179.30	2,805.5	-1,065.4	-43.7	1,065.7	0.91	-0.78	0.47
3,727.0	89.10	177.90	2,806.4	-1,128.4	-42.2	1,128.7	2.24	-0.32	-2.22
3,790.0	89.60	177.50	2,807.1	-1,191.3	-39.6	1,191.6	1.02	0.79	-0.63
3,885.0	89.00	178.20	2,808.3	-1,286.3	-36.1	1,286.5	0.97	-0.63	0.74
3,980.0	88.60	178.40	2,810.3	-1,381.2	-33.2	1,381.4	0.47	-0.42	0.21
4,075.0	88.80	178.80	2,812.4	-1,476.1	-30.9	1,476.3	0.47	0.21	0.42
4,170.0	89.80	179.10	2,813.6	-1,571.1	-29.2	1,571.3	1.10	1.05	0.32
4,265.0	88.40	179.30	2,815.1	-1,666.1	-27.9	1,666.3	1.49	-1.47	0.21
4,360.0	89.40	179.10	2,816.9	-1,761.1	-26.5	1,761.2	1.07	1.05	-0.21
4,454.0	89.20	180.00	2,818.0	-1,855.1	-25.8	1,855.2	0.98	-0.21	0.96
4,549.0	88.00	180.20	2,820.4	-1,950.0	-26.0	1,950.2	1.28	-1.26	0.21
4,645.0	90.10	179.30	2,821.9	-2,046.0	-25.5	2,046.1	2.38	2.19	-0.94
4,739.0	89.20	179.00	2,822.5	-2,140.0	-24.1	2,140.1	1.01	-0.96	-0.32
4,835.0	90.30	178.70	2,822.9	-2,236.0	-22.2	2,236.1	1.19	1.15	-0.31
4,929.0	89.30	178.90	2,823.3	-2,329.9	-20.2	2,330.0	1.08	-1.06	0.21
5,024.0	88.20	179.10	2,825.3	-2,424.9	-18.6	2,425.0	1.18	-1.16	0.21
5,119.0	89.50	180.00	2,827.2	-2,519.9	-17.8	2,519.9	1.66	1.37	0.95
5,214.0	88.50	180.80	2,828.9	-2,614.9	-18.5	2,614.9	1.35	-1.05	0.84
5,309.0	89.50	179.70	2,830.6	-2,709.8	-18.9	2,709.9	1.56	1.05	-1.16
5,401.0	88.60	179.50	2,832.1	-2,801.8	-18.3	2,801.9	1.00	-0.98	-0.22
5,493.0	90.10	178.70	2,833.1	-2,893.8	-16.8	2,893.8	1.85	1.63	-0.87
5,585.0	89.60	178.70	2,833.4	-2,985.8	-14.7	2,985.8	0.54	-0.54	0.00
5,675.0	88.80	178.00	2,834.6	-3,075.7	-12.2	3,075.7	1.18	-0.89	-0.78
5,767.0	89.70	178.60	2,835.8	-3,167.7	-9.4	3,167.7	1.18	0.98	0.65
5,857.0	89.20	178.70	2,836.7	-3,257.7	-7.3	3,257.6	0.57	-0.56	0.11
5,948.0	90.60	178.10	2,836.9	-3,348.6	-4.8	3,348.5	1.67	1.54	-0.66
6,041.0	89.60	178.00	2,836.7	-3,441.6	-1.6	3,441.5	1.08	-1.08	-0.11
6,133.0	89.30	177.80	2,837.6	-3,533.5	1.8	3,533.4	0.39	-0.33	-0.22
6,226.0	88.00	176.70	2,839.8	-3,626.4	6.2	3,626.2	1.83	-1.40	-1.18
6,320.0	89.10	178.20	2,842.1	-3,720.2	10.4	3,720.0	1.98	1.17	1.60
6,415.0	88.20	177.90	2,844.4	-3,815.2	13.6	3,814.9	1.00	-0.95	-0.32
6,510.0	89.80	178.70	2,846.0	-3,910.1	16.5	3,909.8	1.88	1.68	0.84
6,605.0	88.50	178.70	2,847.5	-4,005.1	18.6	4,004.8	1.37	-1.37	0.00
6,699.0	88.70	178.70	2,849.7	-4,099.0	20.7	4,098.7	0.21	0.21	0.00
6,794.0	90.20	179.80	2,850.7	-4,194.0	22.0	4,193.7	1.96	1.58	1.16

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,889.0	89.40	180.10	2,851.0	-4,289.0	22.1	4,288.7	0.90	-0.84	0.32
6,984.0	88.40	180.50	2,852.8	-4,384.0	21.6	4,383.6	1.13	-1.05	0.42
7,079.0	89.20	181.90	2,854.8	-4,478.9	19.6	4,478.6	1.70	0.84	1.47
7,174.0	90.90	182.30	2,854.7	-4,573.9	16.1	4,573.6	1.84	1.79	0.42
7,269.0	89.70	183.00	2,854.2	-4,668.7	11.7	4,668.5	1.46	-1.26	0.74
7,364.0	88.80	183.00	2,855.5	-4,763.6	6.7	4,763.4	0.95	-0.95	0.00
7,449.0	87.60	183.10	2,858.1	-4,848.4	2.2	4,848.3	1.42	-1.41	0.12
TD @ 7500' MD / 2860.3' TVD									
7,500.0	87.60	183.10	2,860.3	-4,899.3	-0.5	4,899.2	0.00	0.00	0.00

Design Annotations

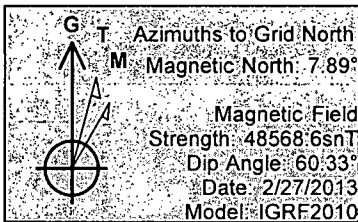
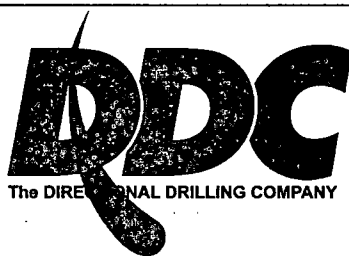
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,186.0	2,185.7	12.2	-29.4	TIE IN @ 2186' MD / 2185.7' TVD
2,804.4	2,721.7	-220.4	-35.3	CROSSED HARDLINE @ 2804.4' MD / 2721.7' TVD
7,500.0	2,860.3	-4,899.3	-0.5	TD @ 7500' MD / 2860.3' TVD

Checked By: _____ Approved By: _____ Date: _____

Company Name: Mewbourne Oil Co
Quick Draw 10 BO #1H
Eddy County, New Mexico
Rig: Patterson #41
Created By: TIFFANI MIZELL
Date: 3/13/2013

Quick Draw 10 BO #1H
Eddy County, New Mexico
Q130030 & WT-13174
Design #2

Mewbourne Oil Company



PROJECT DETAILS: Eddy County, New Mexico

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: Quick Draw 10 BO #1H

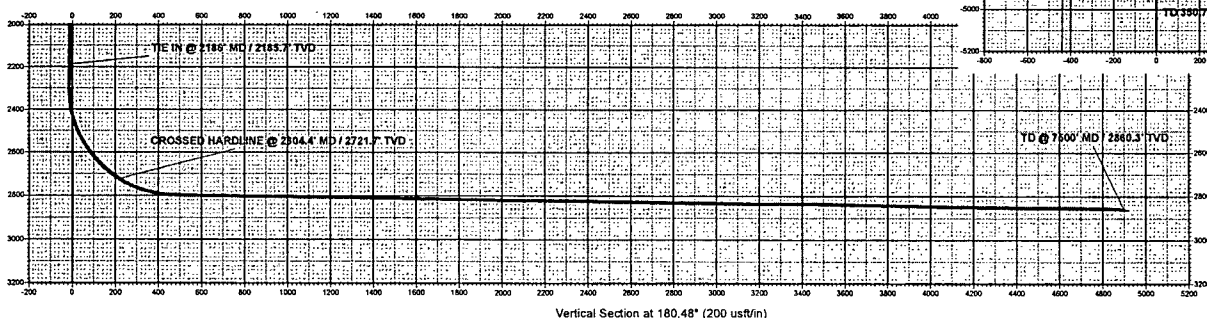
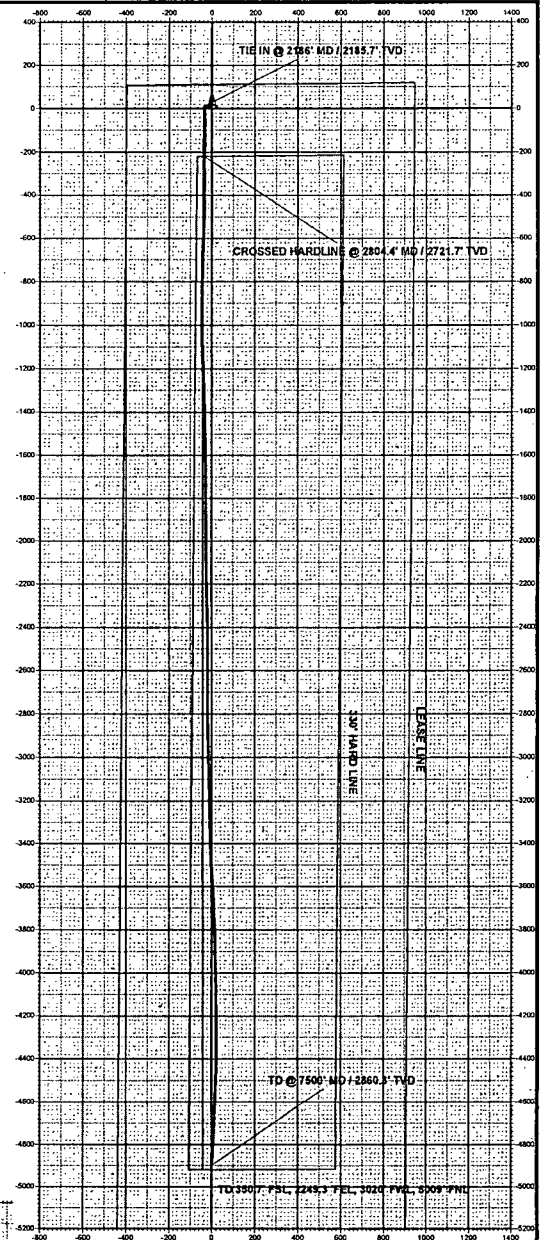
Ground Level: 3422.0
Northing: 689163.61 Easting: 467898.2132° 35' 41.542 804° 28' 15.643 W
+N-S +E-W
0.0 0.0

DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
PBHL Quick Draw 10 BO #1H Design #1 - plan hits target center	2862.0	-4920.2	-41.3	675233.61	457658.31	32° 34' 52.852 N	104° 28' 16.051 W

ANNOTATIONS

MD	Inc	Azi	TVD	+N-S	+E-W	Vsect	Departure	Annotation
2185.0	1.09	281.89	2185.7	12.2	-25.4	-11.9	33.0	TIE IN @ 2185' MD / 2185.7' TVD
2804.4	57.48	181.76	2721.7	-220.4	-55.3	220.7	269.1	CROSSED HARDLINE @ 2804.4' MD / 2721.7' TVD
7600.0	87.60	183.10	2860.3	-4899.3	-0.5	4899.2	4949.6	TD @ 7600' MD / 2860.3' TVD



Vertical Section at 180.48° (200 usf/in)