

30-015-39383

OCCIDENTAL PERMIAN LTD.

Artesia

Eddy County, NM

Eeyore 34 State #1

VH - Job #32K09121172

Survey: Gyro

SDI Standard Survey Report

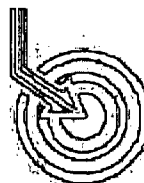
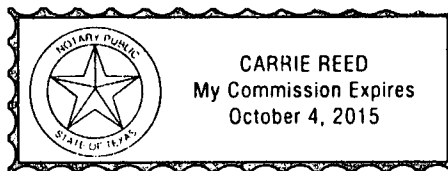
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 8th of October, 2012.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Eeyore 34 State #1
Project:	Artesia	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Eeyore 34 State #1	North Reference:	Grid
Wellbore:	VH - Job #32K09121172	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K09121172	Database:	EDM-Regulatory

Project	Artesia		
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	Eddy County, NM				
Site Position:		Northing:	660,143.61 usft	Latitude:	32° 48' 53.046 N
From:	Lat/Long	Easting:	545,587.99 usft	Longitude:	104° 11' 5.805 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.08 °

Well	Eeyore 34 State #1, Vertical					
Well Position	+N/-S	0.00 usft	Northing:	536,602.31 usft	Latitude:	32° 28' 30.000 N
	+E/-W	0.00 usft	Easting:	574,423.91 usft	Longitude:	104° 5' 31.200 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	0.00 usft

Wellbore	VH - Job #32K09121172				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/18/12	7.69	60.30	48,609

Design	VH - Job #32K09121172				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	321.00	

Survey Program	Date	10/17/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
123.00	390.00	Gyro (VH - Job #32K09121172)	Keeper	Keeper Surface Readout

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.00	1.43	321.52	122.99	1.20	-0.96	321.52	1.53	
212.00	1.75	320.30	211.95	3.12	-2.51	321.11	4.00	
299.00	1.67	323.69	298.91	5.16	-4.11	321.44	6.60	
390.00	1.02	312.98	389.89	6.78	-5.49	321.00	8.73	

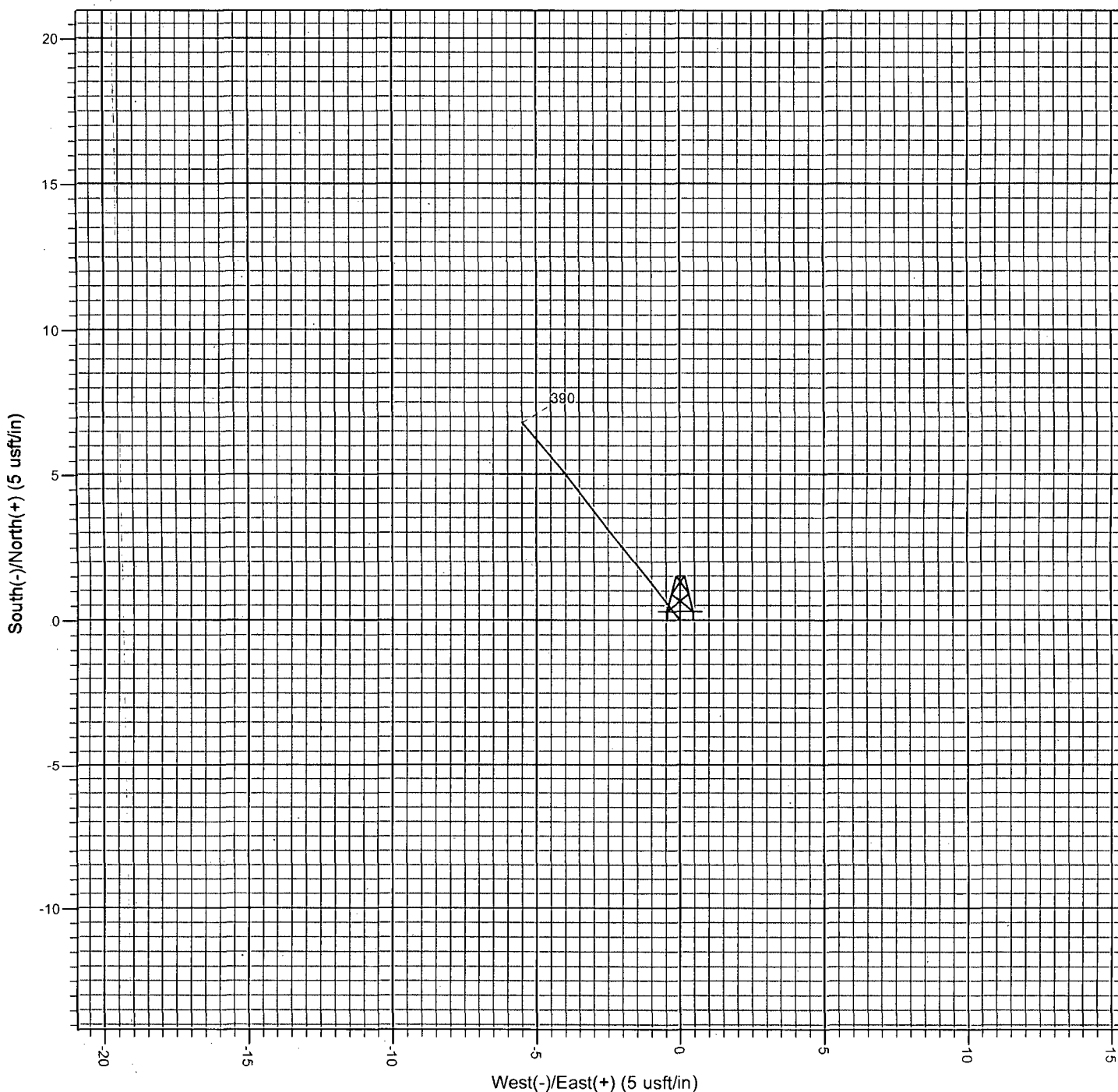


Scientific Drilling

Project: Artesia
Eddy County, NM.
Well: Eeyore 34 State #1
Wellbore: VH - Job #32K09121172
Design: VH - Job #32K09121172

WELL DETAILS: Eeyore 34 State #1
WELL @ 0.00usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	536602.31	574423.91	32° 28' 30.000 N	104° 5' 31.200 W	



PROJECT DETAILS: Artesia	SITE DETAILS: Eddy County, NM
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 48' 53.046 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 104° 11' 5.805 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.00
Zone: New Mexico East 3001	Convergence: 0.08
System Datum: Mean Sea Level	Local North: Grid