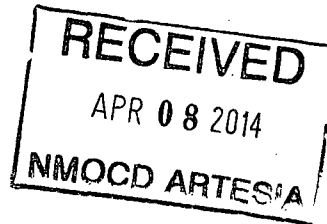


CHEVRON

Delaware River
Eddy County, NM (Grid North)
Skeen 2 26 27 ST #2H
VH - Job #321113-KW-1196



Survey: Gyro

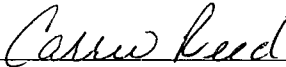
15-41047

SDI Survey Report

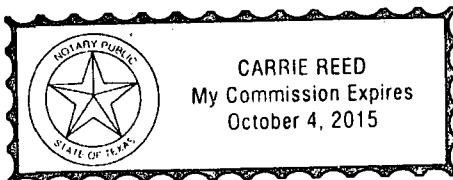
This survey is correct to the best of my knowledge and is supported by actual field data.



Notarized this date 30th of November, 2013.



Notary Signature
County of Midland
State of Texas



Please provide API #
on all documents

SDI
SDI Survey Report

Company:	CHEVRON	Local Co-ordinate Reference:	Well Skeen 2 26 27 ST #2H
Project:	Delaware River	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM (Grid North)	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Skeen 2 26 27 ST #2H	North Reference:	Grid
Wellbore:	VH - Job #321113-KW-1196	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321113-KW-1196	Database:	EDM-Regulatory

Project	Delaware River		
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 (Grid North)		
Site Position:		Northing:	392,296.22 usft
From:	Lat/Long	Easting:	552,860.30 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 4' 42.323 N
		Longitude:	104° 9' 45.605 W
		Grid Convergence:	0.09 °

Well	Skeen 2 26 27 ST #2H, Directional		
Well Position	+N/-S	0.0 usft	Northing: 392,296.22 usft
	+E/-W	0.0 usft	Easting: 552,860.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 42.323 N
		Longitude:	104° 9' 45.605 W
		Ground Level:	0.0 usft

Wellbore	VH - Job #321113-KW-1196				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/18/2013	7.55	59.89	48,246

Design	VH - Job #321113-KW-1196			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	181.13

Survey Program	Date	11/27/2013		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	600.0	Gyro (VH - Job #321113-KW-1196)	Keeper	Keeper Gyro

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
100.0	0.50	252.15	100.0	-0.1	-0.4	252.15	0.4	
200.0	0.78	252.96	200.0	-0.5	-1.5	252.50	1.6	
300.0	0.89	273.04	300.0	-0.6	-2.9	257.87	3.0	
400.0	0.87	303.13	400.0	-0.2	-4.3	267.76	4.3	
500.0	0.95	312.94	500.0	0.8	-5.6	278.29	5.6	
600.0	1.19	316.42	599.9	2.1	-6.9	287.17	7.2	

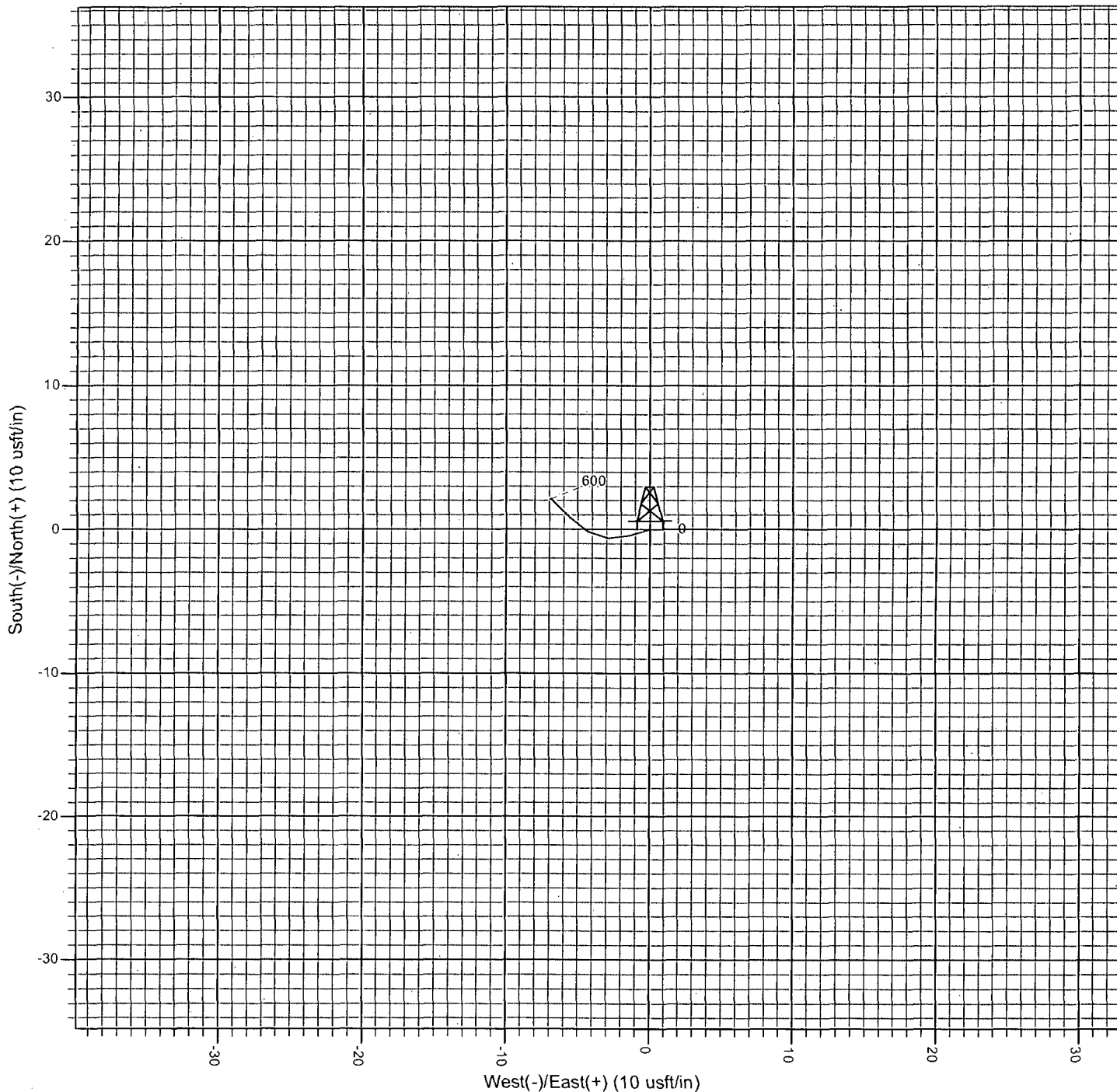


Scientific Drilling

Project: Delaware River
Eddy County, NM (Grid North)
Well: Skeen 2 26 27 ST #2H
Wellbore: VH - Job #321113-KW-1196
Design: VH - Job #321113-KW-1196

WELL DETAILS: Skeen 2 26 27 ST #2H
WELL @ 0.0usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	392296.22	552860.30	32° 4' 42.323 N	104° 9' 45.605 W	



PROJECT DETAILS: Delaware River	SITE DETAILS: Eddy County, NM (Grid North)
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 4' 42.323 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 104° 9' 45.605 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.0
Zone: New Mexico East 3001	Convergence: 0.09
System Datum: Mean Sea Level	Local North: Grid

CHEVRON

Delaware River

Eddy County, NM (Grid North)

Skeen 2 26 27 ST #2H

VH - Job #321113-KW-1196

Survey: Gyro

SDI Survey Report

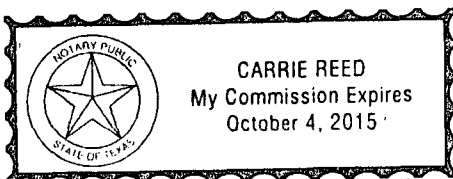
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 30th of November, 2013.

Carrie Reed

Notary Signature
County of Midland
State of Texas



SDI
SDI Survey Report

Company:	CHEVRON	Local Co-ordinate Reference:	Well Skeen 2 26 27 ST #2H
Project:	Delaware River	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM (Grid North)	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Skeen 2 26 27 ST #2H	North Reference:	Grid
Wellbore:	VH - Job #321113-KW-1196	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321113-KW-1196	Database:	EDM-Regulatory

Project	Delaware River		
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 (Grid North)		
Site Position:		Northing:	392,296.22 usft
From:	Lat/Long	Easting:	552,860.30 usft
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Well Position	+N/-S	0.0 usft	Northing: 392,296.22 usft
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Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 42.323 N
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		Ground Level:	0.0 usft

Wellbore	VH - Job #321113-KW-1196				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/18/2013	7.55	59.89	48,246

Design	VH - Job #321113-KW-1196			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	181.13

Survey Program	Date	11/27/2013		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100.0	600.0	Gyro (VH - Job #321113-KW-1196)	Keeper	Keeper Gyro

Survey								
MD	Inc	Azi (azimuth)	TVD	N/S	E/W	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°)	(usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
100.0	0.50	252.15	100.0	-0.1	-0.4	252.15	0.4	
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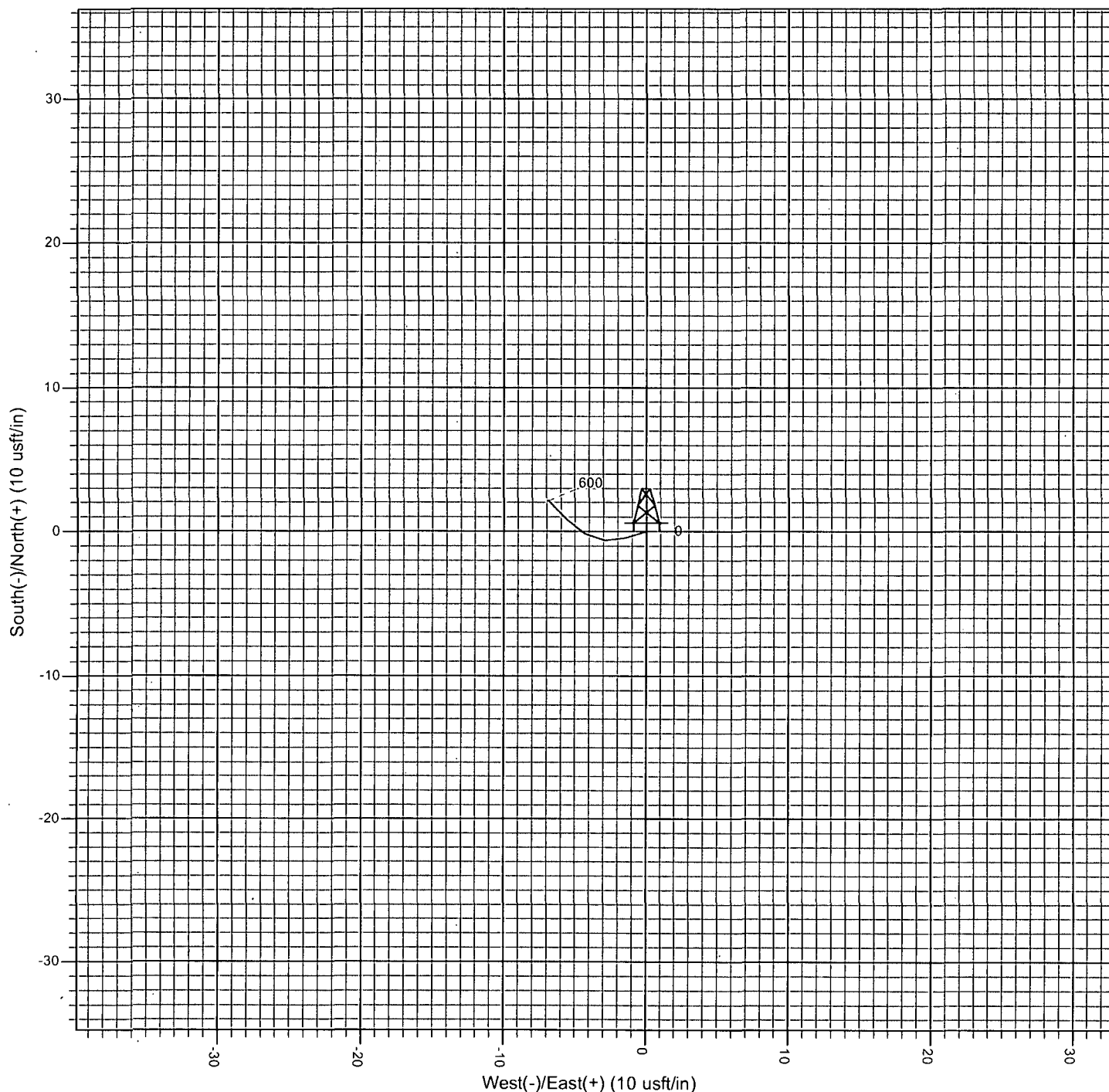
Scientific Drilling

Project: Delaware River
Eddy County, NM (Grid North)
Well: Skeen 2 26 27 ST #2H
Wellbore: VH - Job #321113-KW-1196
Design: VH - Job #321113-KW-1196

WELL DETAILS: Skeen 2 26 27 ST #2H
WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	392296.22	552860.30	32° 4' 42.323 N	104° 9' 45.605 W	



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System Datum: Mean Sea Level	Local North: Grid