

Results of Directional Survey

API number:	30-025-34440				
OGRID:		Operator:	DEVON ENERGY PROD CO LP		
		Property:	GAUCHO UNIT	# 7H	

surface	ULSTR:	K	17	T	22S	R	34E
				1650	FSL	1980	FWL

BH Loc	ULSTR:	K	20	T	22S	R	34E
14266	MD	10364.1	TVD	2618	FSL	1991	FWL
				2662	FNL		

Top Perf/OH	ULSTR:	N	17	T	22S	R	34E
10560	MD	10357.2	TVD	1124	FSL	2017	FWL

Bot Perf/OH	ULSTR:	F	20	T	22S	R	34E
14202	MD	10363.7	TVD	2514	FNL	1990	FWL

	MD	N/S	E/W	VD
	10552	-517.93	36.38	10355.78
TOP PERFS/OH	10560	-525.78	36.73	10357.24
	10575	-540.51	37.40	10359.99
	14139	-4100.73	10.25	10363.34
BOT PERFS/OH	14202	-4163.73	10.10	10363.72
	14234	-4195.73	10.03	10363.92

NEXT TO LAST	14234	-4195.73	10.03	10363.92
LAST READING	14350	-4311.72	10.97	10364.07
TD	14350	-4311.72	10.97	10364.07

Surface Location	1650	FS	1980	FW
Projected BHL	2662	FN	1991	FW
Location of				
Top Perfs/OH	1124	FS	2017	FW
Bottom Perfs/OH	2514	FN	1990	FW

SUMMARY of Subsurface Locations

Surface Location	K-17-22S-34E	1650	FS	1980	FW	Vert. Depth
Top Perfs/OH	N-17-22S-34E	1124	FS	2017	FW	10357.24
Bottom Perfs/OH	F-20-22S-34E	2514	FN	1990	FW	10363.72
Projected TD	K-20-22S-34E	2662	FN	1991	FW	10364.07

NOV 25 2013



Scientific Drilling

Scientific Drilling International, Inc.

2034 Trade Drive • Midland, Texas 79706

P. O. Box 9699 • Midland, Texas 79708

Tel: 432-689-5600 • Fax: 432-697-0324

17 December 2012

Mark Cooper
Devon Energy
P.O. Box 1678
Oklahoma City, OK 73101

HOBBS OCD

OCT 31 2013

RECEIVED

Subject: Gaucho Unit #7

Mr. Cooper,

Enclosed are two original notarized surveys, for the above referenced wells, for your records and/or OCD reports.

We would like to thank you for using Scientific Drilling on this project.

If I can be of further assistance, or if you have any questions, please feel free to contact me at (432)689-5600.

Regards,

Becky Wharton

Enclosures

DEVON ENERGY

Ojo Chiso Morrow
Lea County, NM
Gaucho Unit #7
VH - Job #32K12121473

HOBBS OCD

OCT 31 2013

RECEIVED

Survey: Gyro

SDI Standard Survey Report

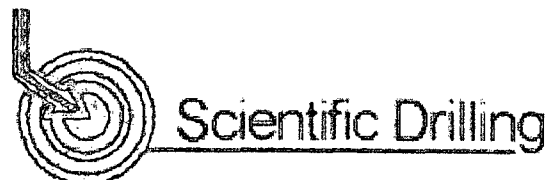
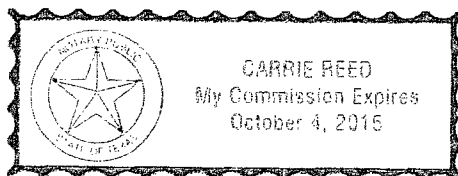
This survey is correct to the best of my knowledge and is supported by actual field data.

K. Wharton

Notarized this date 17th of December, 2012.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Gaucho Unit #7
Project:	Ojo Chiso Morrow	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Gaucha Unit #7	North Reference:	Grid
Wellbore:	VH - Job #32K12121473	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K12121473	Database:	EDM-Regulatory

Project:	Ojo Chiso Morrow		
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:	Lea County, NM				
Site Position:		Northing:	501,188.12 usft	Latitude:	32° 22' 30.000 N
From:	Lat/Long	Easting:	763,141.99 usft	Longitude:	103° 28' 51.600 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.46 °

Well:	Gaucho Unit #7, Directional (Weatherford)					
Well Position	+N/-S	0.00 usft	Northing:	506,251.93 usft	Latitude:	32° 23' 20.400 N
	+E/-W	0.00 usft	Easting:	759,397.09 usft	Longitude:	103° 29' 34.800 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	0.00 usft

Wellbore:	VH - Job #32K12121473					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength	
	IGRF2010	12/07/12	(°)	(°)	(nT)	
			7.38	60.32	48,602	

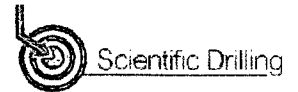
Design:	VH - Job #32K12121473				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	313.52	

Survey Program	Date	12/16/12			
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
100.00	7,925.00	Gyro (VH - Job #32K12121473)	Keeper	Keeper Gyro	

Survey								
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.15	273.42	100.00	0.01	-0.13	273.42	0.13	
200.00	0.13	291.39	200.00	0.06	-0.37	278.83	0.37	
300.00	0.22	304.87	300.00	0.21	-0.63	288.28	0.66	
400.00	0.13	302.20	400.00	0.38	-0.88	293.18	0.96	
500.00	0.10	297.99	500.00	0.48	-1.06	294.42	1.16	
600.00	0.18	239.61	600.00	0.44	-1.27	289.17	1.34	
700.00	0.13	237.07	700.00	0.30	-1.50	281.31	1.53	
800.00	0.38	236.59	800.00	0.06	-1.87	271.71	1.87	
900.00	0.59	228.70	899.99	-0.47	-2.54	259.57	2.58	
1,000.00	0.58	239.15	999.99	-1.07	-3.36	252.38	3.52	
1,100.00	0.67	235.93	1,099.98	-1.65	-4.28	248.86	4.58	

Scientific Drilling International, Inc.

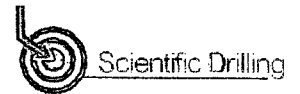
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Gaucho Unit #7
Project:	Ojo Chiso Morrow	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Gaucha Unit #7	North Reference:	Grid
Wellbore:	VH - Job #32K12121473	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K12121473	Database:	EDM-Regulatory

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.00	0.67	227.36	1,199.98	-2.38	-5.19	245.40	5.71
1,300.00	0.64	232.50	1,299.97	-3.11	-6.06	242.83	6.82
1,400.00	0.67	241.83	1,399.96	-3.73	-7.02	242.03	7.95
1,500.00	0.75	250.77	1,499.95	-4.22	-8.16	242.64	9.18
1,600.00	0.76	246.70	1,599.95	-4.70	-9.38	243.40	10.49
1,700.00	0.81	249.52	1,699.94	-5.21	-10.65	243.95	11.86
1,800.00	0.72	247.72	1,799.93	-5.69	-11.90	244.43	13.19
1,900.00	0.92	246.01	1,899.92	-6.26	-13.21	244.66	14.62
2,000.00	0.82	249.73	1,999.91	-6.83	-14.62	244.95	16.13
2,100.00	0.88	249.24	2,099.89	-7.35	-16.01	245.33	17.61
2,200.00	1.00	251.10	2,199.88	-7.91	-17.55	245.75	19.25
2,300.00	0.81	252.39	2,299.87	-8.40	-19.05	246.19	20.82
2,400.00	0.72	264.53	2,399.86	-8.68	-20.35	246.90	22.12
2,500.00	0.61	276.74	2,499.85	-8.67	-21.50	248.03	23.19
2,600.00	0.65	278.73	2,599.85	-8.53	-22.59	249.32	24.15
2,700.00	0.50	295.33	2,699.84	-8.25	-23.55	250.68	24.95
2,800.00	0.41	345.54	2,799.84	-7.72	-24.03	252.19	25.24
2,900.00	0.40	352.67	2,899.84	-7.03	-24.16	253.78	25.17
3,000.00	0.50	7.51	2,999.83	-6.25	-24.15	255.49	24.95
3,100.00	0.76	41.07	3,099.83	-5.32	-23.66	257.34	24.25
3,200.00	0.88	47.11	3,199.82	-4.29	-22.66	259.27	23.06
3,300.00	1.12	50.98	3,299.80	-3.16	-21.34	261.59	21.57
3,400.00	1.28	51.81	3,399.78	-1.85	-19.70	264.64	19.79
3,500.00	1.29	52.61	3,499.76	-0.48	-17.93	268.48	17.94
3,600.00	1.34	47.99	3,599.73	0.99	-16.17	273.51	16.20
3,700.00	1.06	35.87	3,699.71	2.52	-14.76	279.70	14.97
3,800.00	0.82	25.22	3,799.69	3.92	-13.91	285.74	14.45
3,900.00	0.83	17.65	3,899.68	5.26	-13.38	291.44	14.38
4,000.00	0.92	16.31	3,999.67	6.72	-12.94	297.44	14.58
4,100.00	0.95	12.87	4,099.66	8.30	-12.53	303.51	15.03
4,200.00	0.90	358.79	4,199.65	9.89	-12.36	308.66	15.83
4,300.00	0.88	349.74	4,299.63	11.43	-12.51	312.41	16.95
4,400.00	0.90	343.32	4,399.62	12.94	-12.88	315.14	18.25
4,500.00	0.99	331.76	4,499.61	14.45	-13.51	316.93	19.78
4,600.00	0.95	336.90	4,599.59	15.98	-14.24	318.28	21.40
4,700.00	0.81	332.54	4,699.58	17.37	-14.90	319.38	22.88
4,800.00	0.79	328.72	4,799.57	18.58	-15.58	320.02	24.25
4,900.00	0.95	335.26	4,899.56	19.92	-16.28	320.74	25.73
5,000.00	0.79	331.58	4,999.55	21.28	-16.96	321.45	27.21
5,100.00	1.00	333.09	5,099.54	22.67	-17.68	322.04	28.75
5,200.00	0.97	321.74	5,199.52	24.11	-18.60	322.35	30.45
5,300.00	0.84	322.45	5,299.51	25.36	-19.57	322.34	32.03
5,400.00	0.92	327.12	5,399.50	26.61	-20.45	322.45	33.56
5,500.00	0.81	319.42	5,499.49	27.82	-21.35	322.50	35.07

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Gaucho Unit #7
Project:	Ojo Chiso Morrow	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Gaucho Unit #7	North Reference:	Grid
Wellbore:	VH - Job #32K12121473	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K12121473	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
5,600.00	0.81	318.24	5,599.48	28.89	-22.28	322.36	36.48	
5,700.00	0.76	317.73	5,699.47	29.90	-23.20	322.20	37.85	
5,800.00	0.63	318.04	5,799.46	30.80	-24.01	322.06	39.06	
5,900.00	0.54	315.14	5,899.45	31.55	-24.71	321.93	40.07	
6,000.00	0.49	318.07	5,999.45	32.20	-25.33	321.81	40.97	
6,100.00	0.44	304.98	6,099.45	32.74	-25.93	321.62	41.76	
6,200.00	0.49	309.61	6,199.44	33.23	-26.57	321.35	42.55	
6,300.00	0.52	302.40	6,299.44	33.75	-27.29	321.04	43.40	
6,400.00	0.51	315.49	6,399.44	34.31	-27.98	320.80	44.27	
6,500.00	0.41	283.85	6,499.43	34.71	-28.64	320.47	45.00	
6,600.00	0.39	306.33	6,599.43	35.00	-29.26	320.10	45.62	
6,700.00	0.38	294.75	6,699.43	35.34	-29.84	319.82	46.25	
6,800.00	0.26	258.97	6,799.43	35.43	-30.36	319.41	46.66	
6,900.00	0.39	283.85	6,899.43	35.47	-30.92	318.93	47.05	
7,000.00	0.27	282.47	6,999.42	35.60	-31.48	318.52	47.52	
7,100.00	0.17	206.37	7,099.42	35.52	-31.77	318.19	47.66	
7,200.00	0.15	159.89	7,199.42	35.26	-31.79	317.96	47.48	
7,300.00	0.25	160.50	7,299.42	34.94	-31.67	317.80	47.16	
7,400.00	0.46	190.51	7,399.42	34.34	-31.68	317.31	46.71	
7,500.00	0.39	184.52	7,499.42	33.60	-31.78	316.60	46.25	
7,600.00	0.52	189.71	7,599.41	32.82	-31.88	315.83	45.75	
7,700.00	0.58	184.72	7,699.41	31.86	-32.00	314.88	45.16	
7,800.00	0.37	173.82	7,799.41	31.04	-32.00	314.12	44.58	
7,900.00	0.40	166.52	7,899.40	30.38	-31.89	313.61	44.04	
7,925.00	0.29	150.97	7,924.40	30.24	-31.84	313.52	43.91	

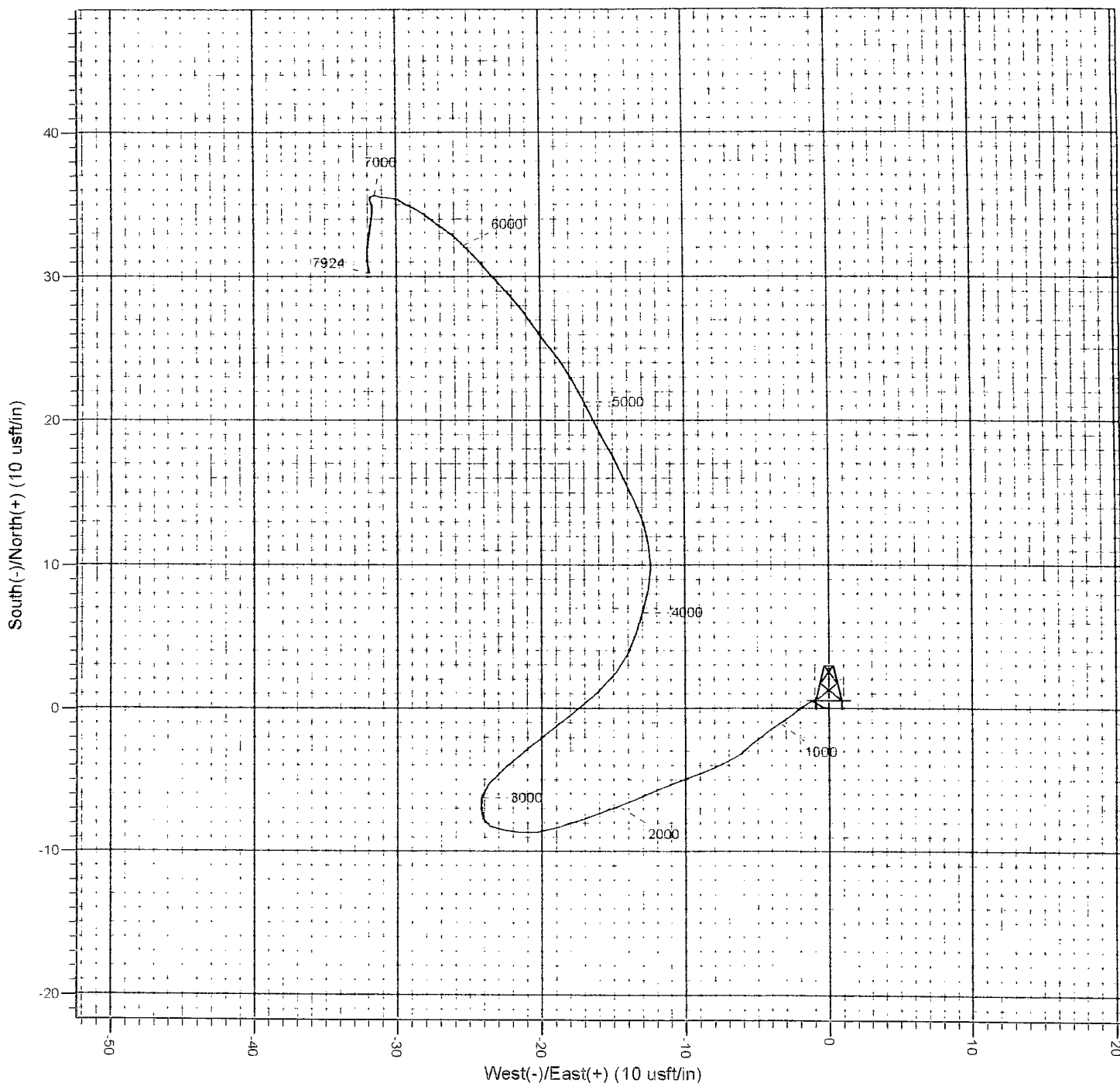


Scientific Drilling

Project: Ojo Chiso Morrow
Lea County, NM
Well: Gaucho Unit #7
Wellbore: VH - Job #32K12121473
Design: VH - Job #32K12121473

WELL DETAILS: Gaucho Unit #7
WELL @ 0.00usft (Original Well Elev)
Ground Level: 0.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	506251.95	759397.09	32° 23' 20.400 N	103° 29' 34.800 W	



PROJECT DETAILS: Ojo Chiso Morrow	SITE DETAILS: Lea County, NM
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 22' 30.000 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 103° 28' 51.600 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.00
Zone: New Mexico East 3001	Convergence: 0.46
System Datum: Mean Sea Level	Local North: Grid

DEVON ENERGY

Wildcat (Lea County, NM)

Lea County, NM

Gaucha Unit #7

VH - Job #32K12121489

HOBBS OCD

OCT 31 2013

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Survey: Gyro

SDI Standard Survey Report

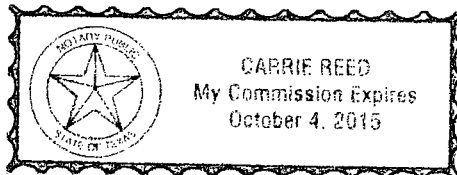
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 31st of December, 2012.

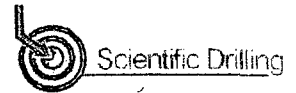
[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report



Company: DEVON ENERGY
Project: Wildcat (Lea County, NM)
Site: Lea County, NM
Well: Gaucho Unit #7
Wellbore: VH - Job #32K12121489
Design: VH - Job #32K12121489

Local Co-ordinate Reference: Well Gaucho Unit #7
TVD Reference: WELL @ 0.00usft (Original Well Elev)
MD Reference: WELL @ 0.00usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM-Regulatory

Project: Wildcat (Lea County, NM)

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: Lea County, NM

Site Position: **Northing:** 419,798.73 usft **Latitude:** 32° 9' 9.565 N
From: Lat/Long **Easting:** 689,831.11 usft **Longitude:** 103° 43' 11.824 W
Position Uncertainty: 0.00 usft **Slot Radius:** 0" **Grid Convergence:** 0.33 °

Well: Gaucho Unit #7, Directional (Weatherford)

Well Position **+N/-S** 0.00 usft **Northing:** 506,249.53 usft **Latitude:** 32° 23' 20.400 N
 +E/-W 0.00 usft **Easting:** 759,088.40 usft **Longitude:** 103° 29' 38.400 W
Position Uncertainty 0.00 usft **Wellhead Elevation:** usft **Ground Level:** 0.00 usft

Wellbore: VH - Job #32K12121489

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/12/12	7.38	60.32	48,601

Design: VH - Job #32K12121489

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.00

Vertical Section	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.65

Survey Program **Date:** 01/01/13

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	9,685.00	Gyro (VH - Job #32K12121489)	Keeper	Keeper Gyro

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
100.00	0.32	273.93	100.00	0.02	-0.28	273.93	0.28
200.00	0.04	333.86	200.00	0.07	-0.57	276.93	0.58
300.00	0.23	255.09	300.00	0.05	-0.78	273.61	0.78
400.00	0.31	278.40	400.00	0.04	-1.24	271.71	1.24
500.00	0.07	232.59	500.00	0.04	-1.56	271.45	1.56
600.00	0.34	219.04	600.00	-0.23	-1.80	262.76	1.81
700.00	0.20	261.21	700.00	-0.49	-2.15	257.31	2.21
800.00	0.38	209.27	799.99	-0.80	-2.49	252.16	2.61
900.00	0.81	223.24	899.99	-1.61	-3.14	242.89	3.52
1,000.00	0.74	236.85	999.98	-2.47	-4.16	239.27	4.84
1,100.00	0.67	237.74	1,099.97	-3.14	-5.20	238.86	6.07

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Gaucho Unit #7
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Gaucha Unit #7	North Reference:	Grid
Wellbore:	VH - Job #32K12121489	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K12121489	Database:	EDM-Regulatory

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.00	0.71	223.64	1,199.96	-3.90	-6.12	237.49	7.25
1,300.00	0.89	229.33	1,299.95	-4.85	-7.13	235.77	8.63
1,400.00	0.73	254.35	1,399.95	-5.53	-8.34	236.43	10.00
1,500.00	0.67	232.75	1,499.94	-6.06	-9.42	237.25	11.20
1,600.00	0.84	250.51	1,599.93	-6.66	-10.57	237.81	12.49
1,700.00	0.75	241.72	1,699.92	-7.21	-11.84	238.66	13.86
1,800.00	1.12	242.04	1,799.91	-7.98	-13.28	239.00	15.49
1,900.00	1.04	250.06	1,899.89	-8.75	-15.00	239.75	17.36
2,000.00	1.08	246.93	1,999.87	-9.43	-16.72	240.58	19.19
2,100.00	1.04	236.15	2,099.85	-10.30	-18.34	240.68	21.03
2,200.00	0.83	254.23	2,199.84	-11.00	-19.79	240.92	22.64
2,300.00	0.91	253.66	2,299.83	-11.42	-21.25	241.74	24.12
2,400.00	0.88	264.27	2,399.82	-11.72	-22.77	242.76	25.61
2,500.00	0.68	283.69	2,499.81	-11.66	-24.11	244.20	26.78
2,600.00	0.58	285.97	2,599.80	-11.38	-25.18	245.68	27.63
2,700.00	0.45	280.07	2,699.80	-11.17	-26.05	246.79	28.34
2,800.00	0.28	11.10	2,799.80	-10.86	-26.39	247.63	28.54
2,900.00	0.44	16.33	2,899.79	-10.25	-26.23	248.65	28.17
3,000.00	0.45	32.23	2,999.79	-9.55	-25.92	249.76	27.62
3,100.00	0.91	54.15	3,099.78	-8.76	-25.06	250.74	26.55
3,200.00	1.05	58.25	3,199.77	-7.81	-23.64	251.72	24.90
3,300.00	1.23	54.74	3,299.75	-6.71	-21.98	253.03	22.99
3,400.00	1.45	63.33	3,399.72	-5.52	-19.98	254.55	20.73
3,500.00	1.45	64.12	3,499.69	-4.40	-17.71	256.05	18.25
3,600.00	1.44	58.67	3,599.66	-3.19	-15.50	258.35	15.82
3,700.00	1.24	52.41	3,699.63	-1.88	-13.57	262.11	13.70
3,800.00	1.02	31.00	3,799.61	-0.46	-12.25	267.86	12.26
3,900.00	0.91	30.63	3,899.60	0.99	-11.39	274.96	11.43
4,000.00	1.01	28.83	3,999.58	2.44	-10.56	283.03	10.84
4,100.00	0.93	14.57	4,099.57	4.00	-9.93	291.95	10.70
4,200.00	1.06	5.04	4,199.56	5.71	-9.64	300.62	11.21
4,300.00	0.82	357.63	4,299.54	7.34	-9.59	307.44	12.08
4,400.00	1.11	345.69	4,399.53	9.00	-9.86	312.38	13.35
4,500.00	1.01	340.76	4,499.51	10.77	-10.39	316.02	14.96
4,600.00	0.95	341.80	4,599.50	12.39	-10.94	318.55	16.53
4,700.00	0.83	332.50	4,699.48	13.82	-11.53	320.15	18.00
4,800.00	0.79	327.61	4,799.47	15.04	-12.24	320.87	19.39
4,900.00	1.04	333.62	4,899.46	16.44	-13.01	321.64	20.96
5,000.00	1.00	342.02	4,999.45	18.08	-13.68	322.88	22.67
5,100.00	1.00	332.68	5,099.43	19.69	-14.35	323.91	24.36
5,200.00	1.11	324.03	5,199.41	21.25	-15.32	324.20	26.19
5,300.00	1.00	317.97	5,299.40	22.68	-16.47	324.00	28.03
5,400.00	0.88	323.47	5,399.38	23.94	-17.52	323.81	29.67
5,500.00	0.91	327.81	5,499.37	25.23	-18.40	323.90	31.23

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Gaucho Unit #7
Project:	Wildcat (Lea County, NM)	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	Gaucho Unit #7	North Reference:	Grid
Wellbore:	VH - Job #32K12121489	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K12121489	Database:	EDM-Regulatory

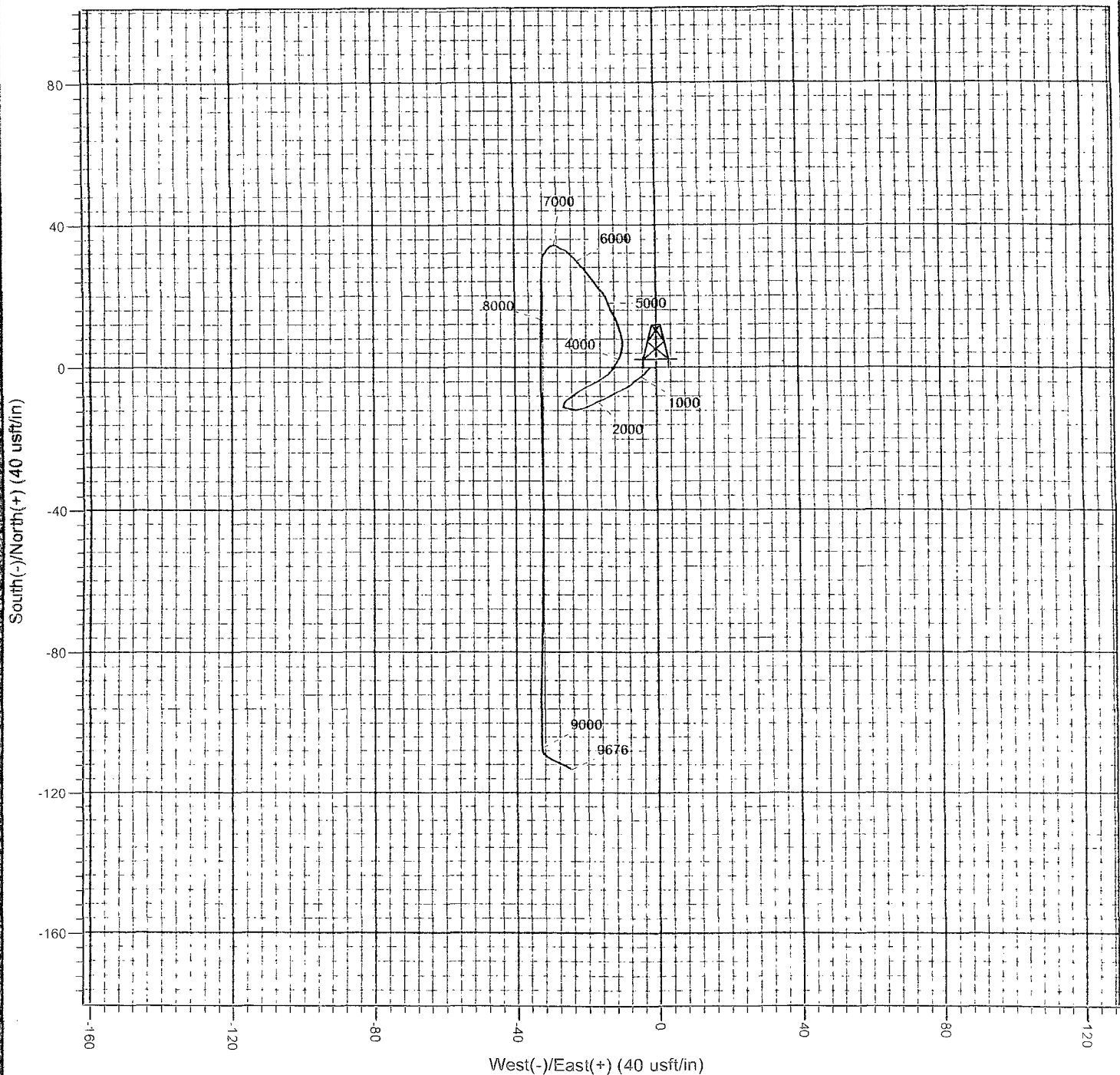
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.00	0.97	321.92	5,599.36	26.57	-19.34	323.95	32.86
5,700.00	0.77	309.54	5,699.35	27.66	-20.38	323.62	34.36
5,800.00	0.50	325.57	5,799.34	28.45	-21.15	323.38	35.45
5,900.00	0.58	319.53	5,899.34	29.20	-21.72	323.35	36.39
6,000.00	0.47	317.89	5,999.33	29.89	-22.32	323.24	37.30
6,100.00	0.56	315.23	6,099.33	30.54	-22.94	323.08	38.20
6,200.00	0.60	310.82	6,199.32	31.23	-23.68	322.82	39.19
6,300.00	0.56	322.63	6,299.32	31.96	-24.38	322.66	40.19
6,400.00	0.58	301.53	6,399.31	32.61	-25.11	322.41	41.15
6,500.00	0.39	285.20	6,499.31	32.96	-25.87	321.88	41.90
6,600.00	0.47	300.20	6,599.31	33.26	-26.55	321.40	42.56
6,700.00	0.29	309.34	6,699.30	33.63	-27.10	321.14	43.19
6,800.00	0.35	287.80	6,799.30	33.88	-27.58	320.85	43.69
6,900.00	0.38	289.99	6,899.30	34.09	-28.19	320.41	44.23
7,000.00	0.26	278.24	6,999.30	34.23	-28.72	320.00	44.69
7,100.00	0.26	244.02	7,099.30	34.17	-29.15	319.53	44.91
7,200.00	0.24	232.88	7,199.30	33.94	-29.52	318.98	44.98
7,300.00	0.28	238.27	7,299.30	33.69	-29.90	318.41	45.04
7,400.00	0.51	226.68	7,399.29	33.25	-30.43	317.54	45.07
7,500.00	0.40	200.18	7,499.29	32.62	-30.87	316.57	44.91
7,600.00	0.42	205.90	7,599.29	31.96	-31.15	315.73	44.63
7,700.00	0.47	215.05	7,699.28	31.30	-31.55	314.77	44.44
7,800.00	0.51	203.32	7,799.28	30.55	-31.96	313.71	44.21
7,900.00	5.84	181.18	7,899.09	25.05	-32.24	307.85	40.83
8,000.00	7.28	181.30	7,998.43	13.63	-32.49	292.76	35.23
8,100.00	8.22	179.71	8,097.52	0.15	-32.60	270.26	32.60
8,200.00	8.21	179.07	8,196.49	-14.14	-32.45	246.45	35.39
8,300.00	8.56	179.00	8,295.43	-28.72	-32.20	228.27	43.15
8,400.00	8.32	180.61	8,394.34	-43.40	-32.15	216.53	54.01
8,500.00	8.03	180.74	8,493.33	-57.62	-32.32	209.29	66.06
8,600.00	7.97	180.84	8,592.35	-71.53	-32.51	204.44	78.57
8,700.00	6.13	181.47	8,691.59	-83.80	-32.75	201.34	89.97
8,800.00	5.45	182.31	8,791.08	-93.88	-33.07	199.41	99.54
8,900.00	3.82	176.49	8,890.75	-101.95	-33.06	197.97	107.18
9,000.00	1.61	179.58	8,990.63	-106.69	-32.85	197.11	111.63
9,100.00	0.31	155.25	9,090.62	-108.34	-32.72	196.81	113.17
9,200.00	0.56	140.63	9,190.61	-108.96	-32.30	196.51	113.65
9,300.00	0.87	127.80	9,290.61	-109.80	-31.39	195.95	114.20
9,400.00	0.95	109.30	9,390.59	-110.54	-30.01	195.19	114.54
9,500.00	1.12	120.53	9,490.58	-111.31	-28.38	194.31	114.87
9,600.00	1.35	113.32	9,590.55	-112.27	-26.46	193.26	115.35
9,685.00	1.26	126.91	9,675.53	-113.23	-24.79	192.35	115.92



Project: Wildcat (Lea County, NM)
Lea County, NM
Well: Gaucho Unit #7
Wellbore: VH - Job #32K12121489
Design: VH - Job #32K12121489

WELL DETAILS: Gaucho Unit #7
WELL @ 0.00usft (Original Well Elev)
Ground Level: 0.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	506249.53	759088.40	32° 23' 20.400 N	103° 29' 38.400 W	



PROJECT DETAILS: Wildcat (Lea County, NM)	SITE DETAILS: Lea County, NM
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 9' 9.565 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 103° 43' 11.824 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.00
Zone: New Mexico East 3001	Convergence: 0.33
System Datum: Mean Sea Level	Local North: Grid



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sherridan Ave
Oklahoma City, OK, 73102

Date: December 28, 2012

Attention: Kurtis Schmitz

HOBBS OCD

Re: Devon Energy
Well: Gaucho Unit #7 RE
Lea County, New Mexico

OCT 31 2013

RECEIVED

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Dave Latch MWD Supervisor	7RE	7900' MD 14234' MD	12/8/2012 12/24/2012	Measurement While Drilling

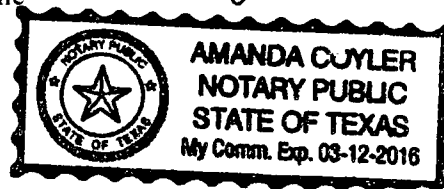
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
Area Manager

On this, the 28th day of December, 2012, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Amanda Cuyler
Notary Public





Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy Date: 12/26/2012 Time: 08:14:52 Page: 1
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Gaucho Unit #7RE, Grid North
Site: Gaucho Unit #7RE Vertical (TVD) Reference: SITE 3513.0
Well: Gaucho Unit #7RE Section (VS) Reference: Well (0.00N,0.00E,179.65Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy

Start Date: 12/14/2012

Company: Weatherford
Tool: MWD;MWD - StandardEngineer: Russell W. Joyner
Tied-to: User Defined

Site: Gaucho Unit #7RE

HOBBS OCD

Site Position: Northing: 506259.73 ft Latitude: 32 23 20.331 N
From: Map Easting: 800357.93 ft Longitude: 103 29 39.147 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3488.00 ft Grid Convergence: 0.45 deg

OCT 31 2013

Well: Gaucho Unit #7RE

Slot Name:

RECEIVED

Well Position: +N/-S 0.00 ft Northing: 506259.73 ft Latitude: 32 23 20.331 N
+E/-W 0.00 ft Easting: 800357.93 ft Longitude: 103 29 39.147 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface

Current Datum: SITE Height 3513.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 12/15/2012 Above System Datum: Mean Sea Level
Field Strength: 48600 nT Declination: 7.38 deg
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
ft ft ft deg
0.00 0.00 0.00 179.65

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
9685.00	1.26	126.91	9675.53	-113.23	-24.78	0.00	113.08	506146.50	800333.15	Tie on SDI
9795.00	1.54	122.18	9785.50	-114.75	-22.56	0.28	114.61	506144.98	800335.37	First Wft Svy
9827.00	3.45	154.88	9817.47	-115.85	-21.79	7.22	115.71	506143.88	800336.14	
9858.00	6.02	161.42	9848.36	-118.23	-20.88	8.46	118.10	506141.50	800337.05	
9890.00	8.92	159.94	9880.09	-122.15	-19.49	9.08	122.03	506137.58	800338.44	
9921.00	11.51	161.86	9910.59	-127.35	-17.70	8.43	127.24	506132.38	800340.23	
9953.00	13.49	162.42	9941.83	-133.94	-15.58	6.20	133.85	506125.79	800342.35	
9985.00	15.04	159.62	9972.85	-141.40	-13.01	5.30	141.31	506118.33	800344.92	
10016.00	17.40	160.25	10002.61	-149.53	-10.04	7.63	149.47	506110.20	800347.89	
10048.00	20.57	161.66	10032.86	-159.37	-6.65	10.01	159.33	506100.36	800351.28	
10079.00	24.72	164.53	10061.47	-170.79	-3.21	13.85	170.77	506088.94	800354.72	
10111.00	28.65	165.21	10090.06	-184.66	0.54	12.32	184.66	506075.07	800358.47	
10142.00	31.80	167.65	10116.84	-199.83	4.18	10.90	199.85	506059.90	800362.11	
10174.00	35.70	169.04	10143.44	-217.24	7.76	12.42	217.29	506042.49	800365.69	
10206.00	39.06	170.21	10168.87	-236.35	11.25	10.73	236.41	506023.38	800369.18	
10237.00	41.79	172.20	10192.46	-256.21	14.31	9.74	256.30	506003.52	800372.24	
10269.00	43.06	172.79	10216.08	-277.62	17.13	4.16	277.71	505982.11	800375.06	
10300.00	46.76	172.81	10238.04	-299.32	19.88	11.94	299.44	505960.41	800377.81	
10332.00	49.80	173.49	10259.33	-323.04	22.72	9.63	323.17	505936.69	800380.65	
10363.00	53.94	174.53	10278.47	-347.28	25.26	13.61	347.43	505912.45	800383.19	
10395.00	58.07	174.69	10296.35	-373.69	27.75	12.91	373.85	505886.04	800385.68	
10426.00	61.88	175.61	10311.86	-400.43	30.01	12.56	400.61	505859.30	800387.94	
10458.00	65.66	176.45	10326.00	-429.06	32.00	12.04	429.25	505830.67	800389.93	
10489.00	69.47	177.42	10337.83	-457.67	33.53	12.63	457.86	505802.06	800391.46	
10521.00	73.20	177.17	10348.07	-487.95	34.96	11.68	488.15	505771.78	800392.89	
10552.00	77.98	177.40	10355.78	-517.93	36.38	15.44	518.14	505741.80	800394.31	
10575.00	80.94	177.41	10359.99	-540.51	37.40	12.87	540.73	505719.22	800395.33	
10607.00	84.76	178.25	10363.97	-572.24	38.60	12.22	572.46	505687.49	800396.53	
10638.00	86.92	178.74	10366.22	-603.14	39.41	7.14	603.37	505656.59	800397.34	
10670.00	90.21	179.28	10367.02	-635.12	39.97	10.42	635.36	505624.61	800397.90	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Gaucho Unit #7RE
Well: Gaucho Unit #7RE
Wellpath: 1

Date: 12/26/2012
Co-ordinate(NE) Reference:
Vertical (TVD) Reference:
Section (VS) Reference:
Survey Calculation Method:

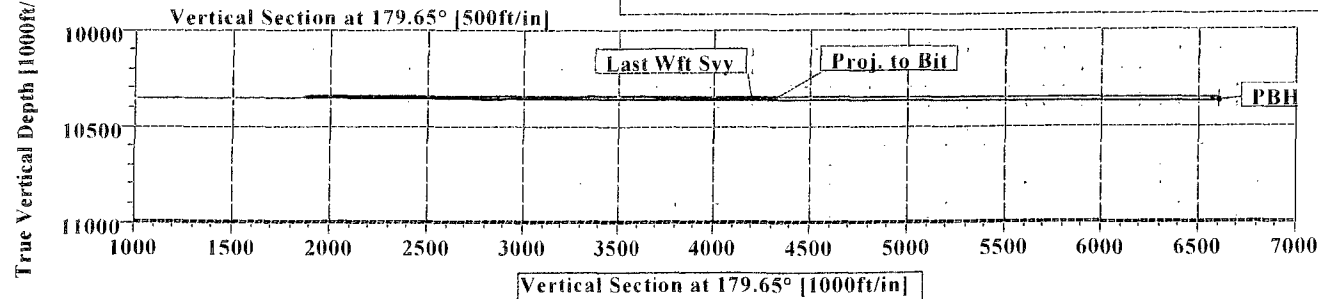
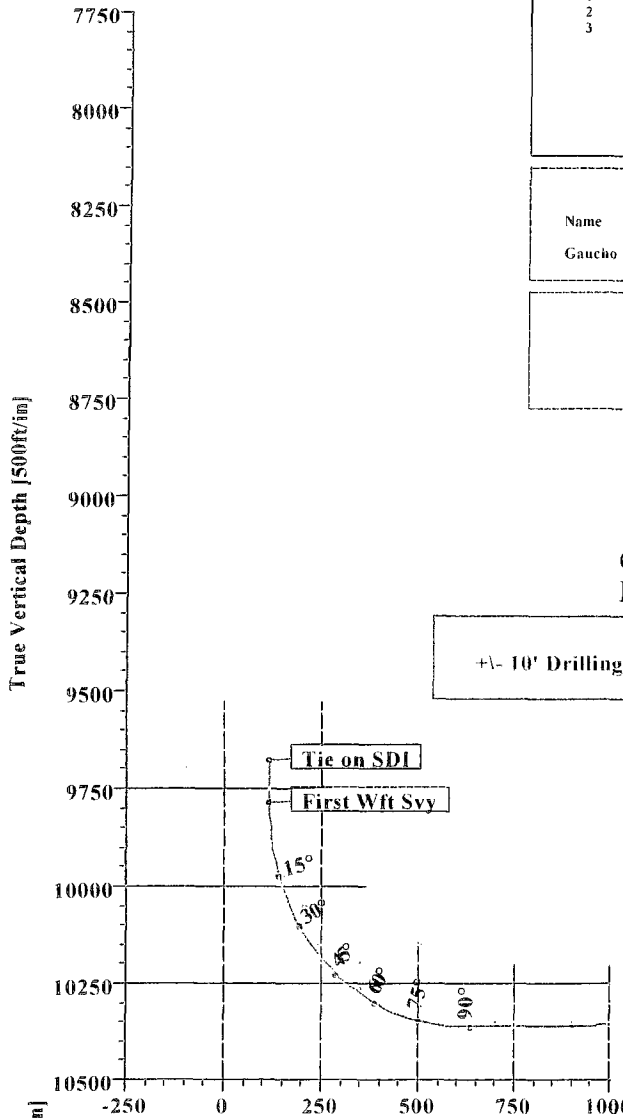
Time: 08:14:52
Page: 2
Well: Gaucho Unit #7RE, Grid North
SITE 3513.0
Well (0.00N,0.00E,179.65Azi)
Minimum Curvature
Db: Sybase

Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
10702.00	90.98	180.71	10366.69	-667.12	39.97	5.08	667.35	505592.61	800397.90	
10733.00	90.70	181.80	10366.24	-698.11	39.29	3.63	698.34	505561.62	800397.22	
10828.00	90.70	183.81	10365.08	-792.98	34.64	2.12	793.18	505466.75	800392.57	
10923.00	91.40	183.73	10363.33	-887.76	28.40	0.74	887.92	505371.97	800386.33	
11017.00	90.49	184.68	10361.78	-981.49	21.51	1.40	981.61	505278.24	800379.44	
11112.00	91.26	184.97	10360.33	-1076.14	13.52	0.87	1076.21	505183.59	800371.45	
11207.00	90.00	184.40	10359.29	-1170.82	5.76	1.46	1170.83	505088.91	800363.69	
11301.00	90.63	184.64	10358.77	-1264.52	-1.65	0.72	1264.49	504995.21	800356.28	
11396.00	91.19	184.29	10357.26	-1359.22	-9.04	0.70	1359.14	504900.51	800348.89	
11490.00	90.49	183.09	10355.89	-1453.02	-15.09	1.48	1452.90	504806.71	800342.84	
11585.00	89.72	180.02	10355.71	-1547.97	-17.67	3.33	1547.83	504711.76	800340.26	
11679.00	90.42	180.23	10355.60	-1641.97	-17.88	0.78	1641.83	504617.76	800340.05	
11774.00	90.14	177.77	10355.13	-1736.95	-16.22	2.61	1736.81	504522.78	800341.71	
11868.00	90.56	177.83	10354.56	-1830.87	-12.61	0.45	1830.76	504428.86	800345.32	
11963.00	91.40	177.90	10352.93	-1925.79	-9.07	0.89	1925.70	504333.94	800348.86	
12058.00	90.42	177.89	10351.42	-2020.72	-5.58	1.03	2020.64	504239.01	800352.35	
12152.00	90.63	177.63	10350.56	-2114.64	-1.91	0.36	2114.59	504145.09	800356.02	
12247.00	89.72	177.85	10350.27	-2209.57	1.84	0.99	2209.54	504050.16	800359.77	
12342.00	88.53	177.73	10351.72	-2304.48	5.50	1.26	2304.47	503955.25	800363.43	
12437.00	88.05	178.29	10354.56	-2399.38	8.80	0.78	2399.39	503860.35	800366.73	
12531.00	86.79	177.69	10358.79	-2493.23	12.09	1.48	2493.25	503766.50	800370.02	
12626.00	88.39	179.45	10362.78	-2588.11	14.46	2.50	2588.15	503671.62	800372.39	
12721.00	89.65	179.77	10364.41	-2683.09	15.11	1.37	2683.13	503576.64	800373.04	
12815.00	89.86	179.53	10364.81	-2777.08	15.68	0.34	2777.13	503482.65	800373.61	
12910.00	90.35	179.92	10364.64	-2872.08	16.14	0.66	2872.13	503387.65	800374.07	
13004.00	90.77	180.32	10363.72	-2966.08	15.94	0.62	2966.12	503293.65	800373.87	
13099.00	91.40	180.24	10361.92	-3061.06	15.47	0.67	3061.10	503198.67	800373.40	
13193.00	91.67	180.13	10359.40	-3155.02	15.17	0.31	3155.06	503104.71	800373.10	
13288.00	92.10	179.85	10356.28	-3249.97	15.19	0.54	3250.01	503009.76	800373.12	
13383.00	91.83	179.75	10353.02	-3344.92	15.52	0.30	3344.95	502914.81	800373.45	
13477.00	90.07	180.70	10351.46	-3438.90	15.15	2.13	3438.93	502820.83	800373.08	
13572.00	90.14	180.36	10351.29	-3533.89	14.27	0.37	3533.92	502725.84	800372.20	
13666.00	88.88	180.46	10352.09	-3627.89	13.60	1.34	3627.90	502631.84	800371.53	
13761.00	87.98	180.33	10354.69	-3722.85	12.94	0.96	3722.86	502536.88	800370.87	
13855.00	88.39	180.31	10357.67	-3816.80	12.42	0.44	3816.80	502442.93	800370.35	
13950.00	88.74	180.34	10360.05	-3911.77	11.88	0.37	3911.77	502347.96	800369.81	
14045.00	88.95	180.46	10361.96	-4006.75	11.22	0.25	4006.74	502252.98	800369.15	
14139.00	89.37	180.72	10363.34	-4100.73	10.25	0.53	4100.72	502159.00	800368.18	
14234.00	89.93	179.54	10363.92	-4195.73	10.03	1.37	4195.71	502064.00	800367.96	Last Wft Svy
14350.00	89.93	179.54	10364.07	-4311.72	10.97	0.00	4311.71	501948.01	800368.90	Proj. to Bit

Annotation

MD ft	TVD ft	
9685.00	9675.53	Tie on SDI
9795.00	9785.50	First Wft Svy
14234.00	10363.92	Last Wft Svy
14350.00	10364.07	Proj. to Bit

KB ELEV: 3513
GLE ELEV: 3488



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	11868.00	90.56	177.83	10354.56	-1830.87	-12.61	0.00	0.00	1830.76	
2	11925.24	89.81	179.37	10354.37	-1888.09	-11.21	3.00	115.89	1887.99	
3	16637.56	89.81	179.37	10370.00	-6600.11	40.21	0.00	0.00	6600.23	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Gaucha Unit #7RE	0.00	0.00	506259.73	800357.93	32°23'20.331N	103°29'39.147W	N/A

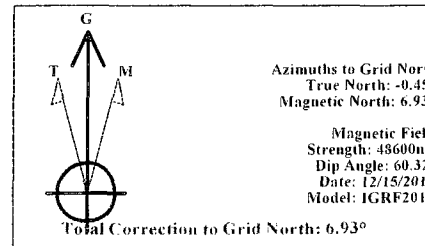
TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
PBHL	10370.00	-6600.11	40.21	499659.62	800398.14	Rectangle (4721x50)	

devon

Gaucha Unit #7 RE
Lea County, New Mexico

+/- 10' Drilling Tgt

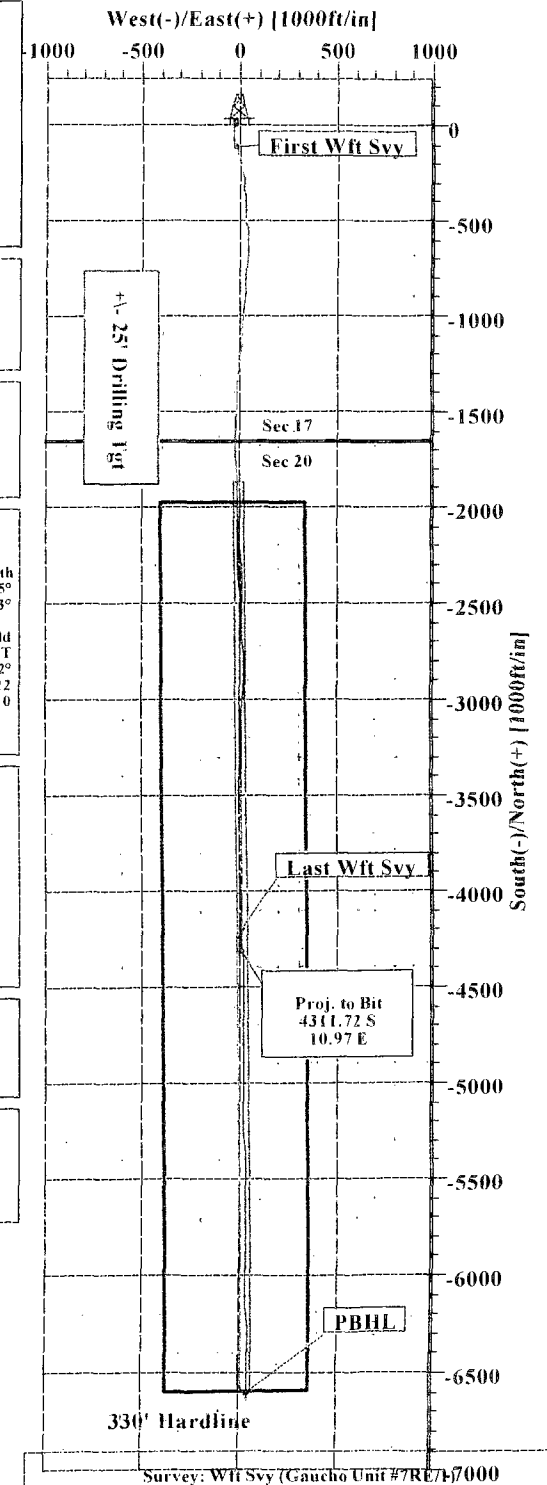
Weatherford



SITE DETAILS	
Gaucha Unit #7RE	
Site Centre Northing:	506259.73
Easting:	800357.93
Ground Level:	3488.00
Positional Uncertainty:	0.00
Convergence:	0.45

LEGEND	
	Gaucha Unit #7RE, I, Plan #6
	Hoolan Bull State #1 (1)
	Wft Svy

Survey: Wft Svy (Gaucha Unit #7RE/I)										
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
70	14350.00	89.93	179.54	10364.07	-4311.72	10.97	0.00	116.57	4311.71	



devon

Stimulations Summary

District PERMIAN BASIN	County LEA	Field Name BELL LAKE NORTH	Project Group DELAWARE BASIN	State/Province NM
Surface Legal Location 17-T22S R34E	API/UWI 3002534440	Latitude (") 32° 23' 20.332" N	Longitude (") 103° 29' 39.12" W	Ground Elev... 3,487.00
			KB - GL (ft) 23.00	Orig KB Elev (ft) 3,510.00
				Tubing Head Elevation (ft) 0.00
Frac , 12/30/2003 18:00 , 2nd Bone Spring, ST01 , <Min Top Depth?> - <Max Btm Depth?>, Baker Hughes , 264639.2 lbm				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	4904.39	3,378.0	3,231.0	
				ISIP (psi)
				0.0
				Avg Treat Pressur...
				0
				Q Treat Avg (bbl/...
				7,524.0
				P Max (psi)
				80
				Q Treat Max (bbl/...
				3.47
PUMP STIM - ACID SPO , 10/7/2008 06:30 , MORROW, OH , 13,084.0 ftkB - 13,088.0 ftkB, BJ SERVICES , 0; BALL SEALERS, 7 0				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	0.0	0.0	0.0	0.0
				ISIP (psi)
				3,148.0
				Avg Treat Pressur...
				4,800.0
				Q Treat Avg (bbl/...
				0
				P Max (psi)
				5,284.0
				Q Treat Max (bbl/...
				0
				Conc Max...
PUMP STIM - ACID SPO , 10/16/2008 06:00 , ATOKA, OH , 12,436.0 ftkB - 12,660.0 ftkB, BJ SERVICES , 0; BALL SEALERS, 7 0				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	0.0	0.0	5,404.0	0.0
				ISIP (psi)
				5,704.0
				Avg Treat Pressur...
				5,800.0
				Q Treat Avg (bbl/...
				0
				P Max (psi)
				7,100.0
				Q Treat Max (bbl/...
				0
				Conc Max...
PUMP STIM - ACID SPO , 10/27/2008 13:40 , ATOKA, OH , 12,250.0 ftkB - 12,260.0 ftkB, BJ SERVICES , 0; BALL SEALERS, 7 0				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	0.0	0.0	5,131.0	0.0
				ISIP (psi)
				5,273.0
				Avg Treat Pressur...
				6,800.0
				Q Treat Avg (bbl/...
				0
				P Max (psi)
				6,864.0
				Q Treat Max (bbl/...
				0
				Conc Max...
FRAC , 10/29/2008 04:30 , ATOKA, OH , 12,250.0 ftkB - 12,260.0 ftkB, BJ SERVICES , 0; Proppant SINTERBALL, 20/ 11500				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	12,000.0	0.0	0.0	0.0
				ISIP (psi)
				6,219.0
				Avg Treat Pressur...
				7.7
				Q Treat Avg (bbl/...
				204
				P Max (psi)
				7.8
				Q Treat Max (bbl/...
				225
				Conc Max...
				3.00
HYDRAULIC FRAC , 1/21/2013 07:31 , 2ND BONE SPRINGS, ST01 , 13,780.0 ftkB - 14,202.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 159343 L				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	265,500.1	5051.40	106.0	3,178.0
				3,382.0
				ISIP (psi)
				3,382.0
				Avg Treat Pressur...
				6,546.0
				Q Treat Avg (bbl/...
				71
				P Max (psi)
				7,254.0
				Q Treat Max (bbl/...
				80
				Conc Max...
				4.00
HYDRAULIC FRAC , 1/21/2013 11:35 , 2ND BONE SPRINGS, ST01 , 13,220.0 ftkB - 13,220.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 159923.2				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	265,500.1	4680.30	3,030.0	3,231.0
				3,378.0
				ISIP (psi)
				3,378.0
				Avg Treat Pressur...
				7,061.0
				Q Treat Avg (bbl/...
				63
				P Max (psi)
				7,524.0
				Q Treat Max (bbl/...
				80
				Conc Max...
				4.00
HYDRAULIC FRAC , 1/21/2013 15:57 , 2ND BONE SPRINGS, ST01 , 12,660.0 ftkB - 13,082.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 156539 L				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	265,500.1	5060.50	3,302.0	3,613.0
				3,618.0
				ISIP (psi)
				3,618.0
				Avg Treat Pressur...
				7,027.0
				Q Treat Avg (bbl/...
				68
				P Max (psi)
				8,399.0
				Q Treat Max (bbl/...
				80
				Conc Max...
				4.00
HYDRAULIC FRAC , 1/22/2013 07:06 , 2ND BONE SPRINGS, ST01 , 12,100.0 ftkB - 12,522.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 156130.3				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	265,500.1	4988.10	2,980.0	3,481.0
				3,481.0
				ISIP (psi)
				3,481.0
				Avg Treat Pressur...
				7,662.0
				Q Treat Avg (bbl/...
				65
				P Max (psi)
				8,288.0
				Q Treat Max (bbl/...
				80
				Conc Max...
				4.00
HYDRAULIC FRAC , 1/22/2013 10:48 , 2ND BONE SPRINGS, ST01 , 11,540.0 ftkB - 11,962.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 149297.2				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	265,500.1	4837.90	3,329.0	3,385.0
				3,486.0
				ISIP (psi)
				3,486.0
				Avg Treat Pressur...
				7,662.0
				Q Treat Avg (bbl/...
				72
				P Max (psi)
				8,288.0
				Q Treat Max (bbl/...
				80
				Conc Max...
				4.00
HYDRAULIC FRAC , 1/22/2013 14:42 , 2ND BONE SPRINGS, ST01 , 10,980.0 ftkB - 11,402.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 157347.5				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
	265,500.1	4858.50	3,057.0	3,400.0
				3,561.0
				ISIP (psi)
				3,561.0
				Avg Treat Pressur...
				7,132.0
				Q Treat Avg (bbl/...
				73
				P Max (psi)
				7,790.0
				Q Treat Max (bbl/...
				80
				Conc Max...
				4.00