

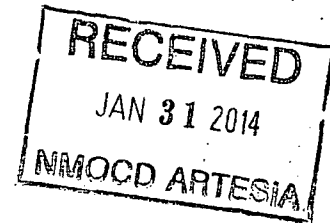


A GYRO TECHNOLOGIES INC. COMPANY

P.O. Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

November 7, 2013

Devon Energy Production Co., L. P.
333 West Sheridan Ave
Oklahoma City, Oklahoma 73102-5010



Attn: Patti Riechers

Re: **Strawberry 7 Federal Com No. 008H**

30-015-41507

Please find enclosed a copy of the survey from 0.00' to 3049.00' ran on the above referenced well.

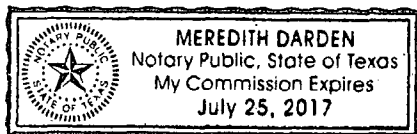
If I can be of any further service please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
§
COUNTY OF NUECES §

This instrument was acknowledged before me on the 7th day of November A.D., 2013, by Keith Havelka.



Meredith Darden
Notary Public, State of Texas



Company: Devon Energy Productin Co.
Lease/Well: Strawberry 7 Federal Com/No. 008H
Location: S7 T19s R31e
Rig Name: McVay #10
State/County: New Mexico/Eddy
Latitude: 32.68, Longitude: -103.90
GRID North is 0.23 Degrees East of True North
VS-Azi: 0.00 Degrees



RECEIVED
JAN 31 2014
NIMCOO ARTESIA

RKB : 17 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ... 7 fed com #8h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 11/7/2013 / 16:06

Vaughn Energy Services

Gardendale, TX 79758

(432) 563-5444

Surveyor: Dustin Wedel

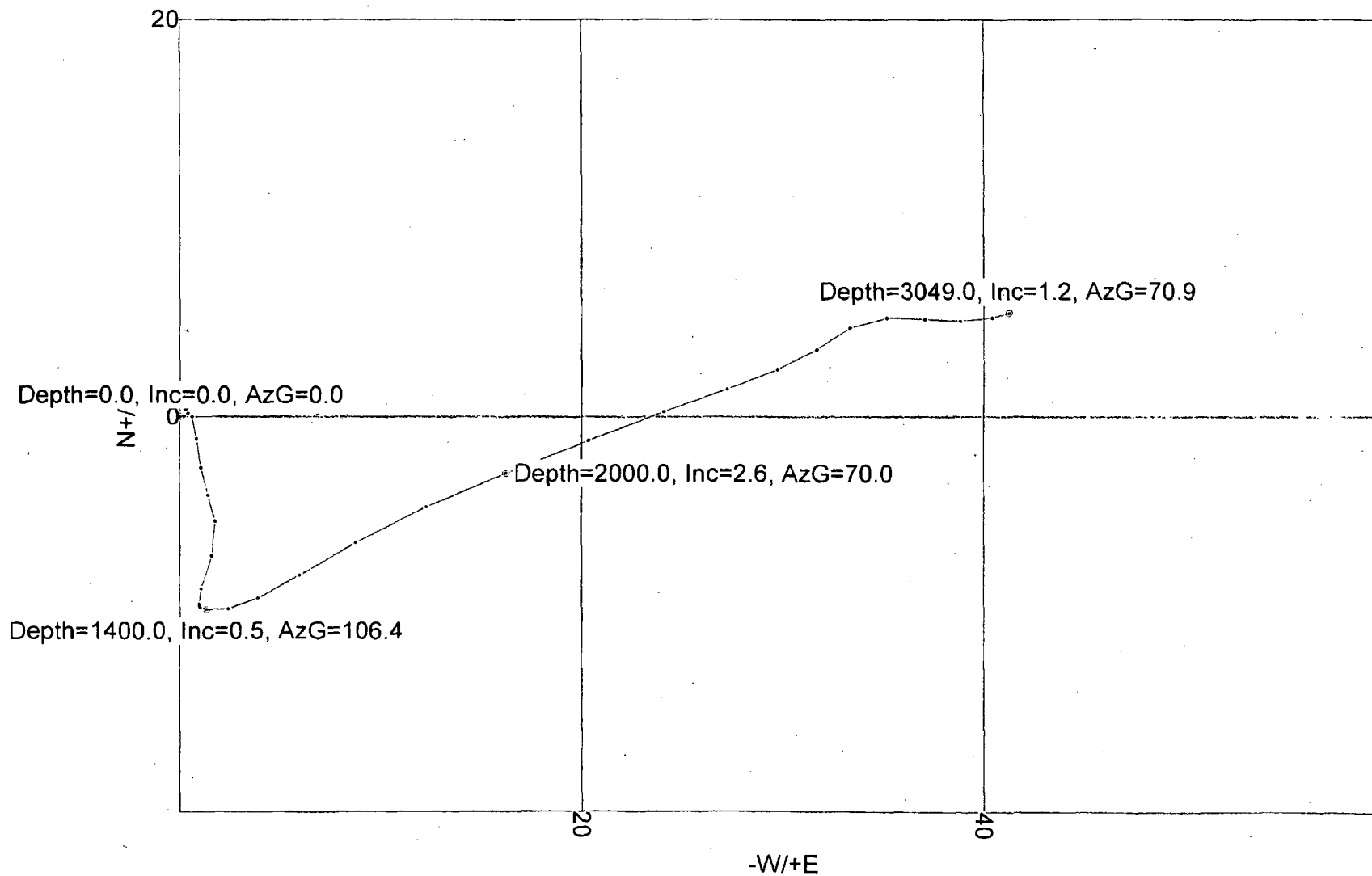
Strawberry 7 Federal Com No. 008H / API 30-015-41507

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.21	87.65	100.00	0.01	0.18	0.01	0.18	87.65	0.21
200.00	0.17	0.78	200.00	0.16	0.37	0.16	0.41	66.52	0.26
300.00	0.16	293.72	300.00	0.36	0.25	0.36	0.44	34.14	0.18
400.00	0.23	98.33	400.00	0.39	0.31	0.39	0.50	38.87	0.38
500.00	0.44	167.41	500.00	-0.02	0.59	-0.02	0.59	91.47	0.42
600.00	0.84	170.01	599.99	-1.12	0.81	-1.12	1.38	144.17	0.40
700.00	0.83	171.49	699.98	-2.56	1.04	-2.56	2.76	157.85	0.02
800.00	0.80	161.07	799.97	-3.93	1.37	-3.93	4.17	160.74	0.15
900.00	0.79	168.52	899.96	-5.26	1.74	-5.26	5.54	161.74	0.10
1000.00	1.25	196.56	999.95	-6.98	1.56	-6.98	7.15	167.39	0.67
1100.00	0.76	197.26	1099.93	-8.66	1.06	-8.66	8.72	173.05	0.49
1200.00	0.21	143.97	1199.93	-9.44	0.97	-9.44	9.48	174.16	0.65
1300.00	0.10	269.95	1299.93	-9.58	0.98	-9.58	9.63	174.13	0.28
1400.00	0.49	106.45	1399.92	-9.70	1.31	-9.70	9.79	172.31	0.59
1500.00	0.76	76.38	1499.92	-9.67	2.37	-9.67	9.95	166.24	0.41
1600.00	1.06	64.82	1599.91	-9.12	3.85	-9.12	9.90	157.12	0.35
1700.00	1.64	58.21	1699.88	-7.98	5.90	-7.98	9.92	143.52	0.60
1800.00	2.11	60.74	1799.82	-6.32	8.72	-6.32	10.77	125.97	0.48

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	2.41	64.76	1899.75	-4.53	12.22	-4.53	13.03	110.33	0.34
2000.00	2.58	69.99	1999.65	-2.86	16.24	-2.86	16.49	99.99	0.28
2100.00	2.49	66.11	2099.55	-1.21	20.34	-1.21	20.37	93.41	0.19
2200.00	2.15	71.54	2199.47	0.26	24.10	0.26	24.10	89.38	0.41
2300.00	1.64	68.24	2299.42	1.38	27.21	1.38	27.24	87.09	0.52
2400.00	1.43	68.08	2399.38	2.38	29.70	2.38	29.79	85.41	0.21
2500.00	1.14	56.68	2499.36	3.40	31.69	3.40	31.87	83.88	0.39
2600.00	1.11	57.29	2599.34	4.46	33.33	4.46	33.63	82.37	0.03
2700.00	1.15	90.22	2699.32	4.98	35.15	4.98	35.50	81.93	0.64
2800.00	1.05	93.98	2799.30	4.92	37.06	4.92	37.38	82.44	0.12
2900.00	0.97	92.02	2899.29	4.82	38.82	4.82	39.12	82.92	0.08
3000.00	0.87	76.11	2999.27	4.98	40.40	4.98	40.71	82.98	0.27
3049.00	1.17	70.89	3048.26	5.23	41.24	5.23	41.57	82.77	0.65



Vaughn Energy Services
Gardendale, TX 79758
(432) 563-5444
Surveyor: Dustin Wedel
Strawberry 7 Federal Com No. 008H / API 30-015-41507



VES Survey Date: 10/30/2013



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: November 25, 2013

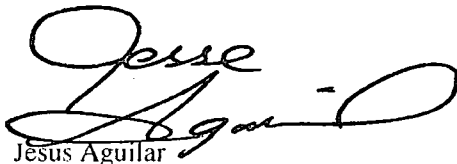
Attention: Art Alarcon

Re: Devon Energy
Well: Strawberry 7 Fed Com 8H
Eddy County, New Mexico

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>
Jeremy Orona MWD Supervisor	1H	7459' MD 12214' MD	10/31/2013 11/23/2013	Measurement While Drilling

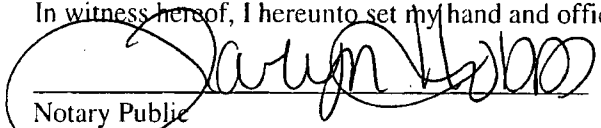
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

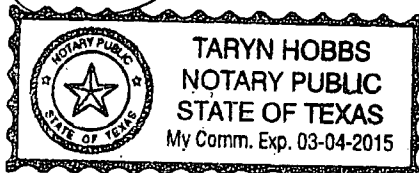


Jesus Aguilar
MWD Coordinator

On this, the 25th day of November 2013, before me a notary public, the undersigned officer, personally appeared Jesus 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.


Notary Public





Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company:	Devon Energy	Date:	11/25/2013	Time:	10:49:59	Page:	1
Field:	Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: Strawberry 7 Fed Com 8H; Grid Nort				
Site:	Strawberry 7 Fed Com 8H	Vertical (TVD) Reference:	SITE 3500.0				
Well:	Strawberry 7 Fed Com 8H	Section (VS) Reference:	Well (0.00N,0.00E,274.05Azi)				
Wellpath:	Lat	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

Survey:	Wft Svy Lat	Start Date:	11/14/2013
Company:	Weatherford	Engineer:	Russell W. Joyner
Tool:	MWD/MWD - Standard	Tied-to:	User Defined

Site: Strawberry 7 Fed Com 8H

Site Position:	Northings:	610170.38 ft	Latitude:	32 40 35.961 N
From: Map	Easting:	674296.90 ft	Longitude:	103 54 4.385 W
Position Uncertainty:	0.00 ft		North Reference:	Grid
Ground Level:	3480.00 ft		Grid Convergence:	0.23 deg

Well:	Strawberry 7 Fed Com 8H	Slot Name:			
Well Position:	+N/-S 0.00 ft	Northings:	610170.38 ft	Latitude:	32 40 35.961 N
	+E/-W 0.00 ft	Easting:	674296.90 ft	Longitude:	103 54 4.385 W
Position Uncertainty:	0.00 ft				

Wellpath:	Lat	Drilled From:	Pilot	
		Tie-on Depth:	7400.00 ft	
Current Datum:	SITE	Above System Datum:	Mean Sea Level	
Magnetic Data:	7/15/2013	Declination:	7.52 deg	
Field Strength:	48670 nT	Mag Dip Angle:	60.50 deg	
Vertical Section:	Depth From (TVD)	+E/-W	Direction	
	ft	ft	deg	
	0.00	0.00	0.00	274.05

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
7400.00	0.35	336.70	7398.08	65.29	79.90	0.00	-75.09	610235.67	674376.80	Tie On SDI
7459.00	8.15	269.88	7456.88	65.44	75.64	13.59	-70.83	610235.82	674372.54	First Wft Svy
7491.00	10.56	271.86	7488.45	65.53	70.44	7.60	-65.64	610235.91	674367.34	
7522.00	13.53	272.43	7518.76	65.78	63.98	9.59	-59.17	610236.16	674360.88	
7554.00	16.82	271.29	7549.64	66.04	55.61	10.32	-50.80	610236.42	674352.51	
7585.00	20.19	270.74	7579.04	66.21	45.77	10.89	-40.98	610236.59	674342.67	
7617.00	23.28	269.92	7608.76	66.28	33.92	9.70	-29.16	610236.66	674330.82	
7648.00	26.83	270.30	7636.84	66.30	20.80	11.46	-16.06	610236.68	674317.70	
7680.00	29.31	270.55	7665.07	66.42	5.74	7.76	-1.03	610236.80	674302.64	
7711.00	32.59	272.16	7691.65	66.80	-10.20	10.91	14.89	610237.18	674286.70	
7743.00	36.12	272.56	7718.07	67.55	-28.24	11.05	32.94	610237.93	674268.66	
7774.00	38.64	272.21	7742.70	68.33	-47.04	8.16	51.75	610238.71	674249.86	
7806.00	40.95	272.37	7767.28	69.15	-67.50	7.23	72.22	610239.53	674229.40	
7837.00	43.24	272.58	7790.29	70.05	-88.26	7.40	92.99	610240.43	674208.64	
7869.00	46.04	273.38	7813.05	71.22	-110.71	8.92	115.47	610241.60	674186.19	
7901.00	49.17	274.31	7834.63	72.81	-134.29	10.01	139.10	610243.19	674162.61	
7932.00	53.45	275.29	7854.00	74.84	-158.39	14.02	163.28	610245.22	674138.51	
7964.00	58.12	275.81	7871.99	77.40	-184.72	14.66	189.73	610247.78	674112.18	
7996.00	62.37	275.85	7887.87	80.23	-212.35	13.28	217.49	610250.61	674084.55	
8027.00	65.01	275.75	7901.60	83.03	-240.00	8.52	245.26	610253.41	674056.90	
8059.00	67.55	275.01	7914.48	85.78	-269.16	8.21	274.55	610256.16	674027.74	
8090.00	70.75	274.17	7925.51	88.09	-298.04	10.63	303.51	610258.47	673998.86	
8122.00	74.07	273.30	7935.18	90.08	-328.47	10.69	334.01	610260.46	673968.43	
8153.00	76.43	273.09	7943.07	91.75	-358.40	7.64	363.99	610262.13	673938.50	
8185.00	78.10	272.83	7950.12	93.36	-389.57	5.28	395.19	610263.74	673907.33	
8216.00	79.60	272.63	7956.12	94.81	-419.95	4.88	425.60	610265.19	673876.95	
8248.00	81.93	272.44	7961.25	96.21	-451.50	7.30	457.17	610266.59	673845.40	
8278.00	84.39	271.95	7964.83	97.35	-481.27	8.36	486.94	610267.73	673815.63	
8309.00	86.71	272.40	7967.23	98.52	-512.15	7.62	517.83	610268.90	673784.75	
8341.00	88.74	272.72	7968.50	99.95	-544.09	6.42	549.79	610270.33	673752.81	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Strawberry 7 Fed Com 8H
Well: Strawberry 7 Fed Com 8H
Wellpath: Lat

Date: 11/25/2013
Co-ordinate(NE) Reference:
Vertical (TVD) Reference:
Section (VS) Reference:
Survey Calculation Method:

Time: 10:49:59
Well: Strawberry 7 Fed Com 8H, Grid North
SITE 3500.0
Well (0.00N,0.00E,274.05Azi)
Minimum Curvature

Page: 2
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
8373.00	89.37	272.65	7969.03	101.45	-576.05	1.98	581.78	610271.83	673720.85	
8468.00	90.21	272.67	7969.38	105.85	-670.94	0.88	676.75	610276.23	673625.96	
8562.00	90.00	272.78	7969.21	110.32	-764.84	0.25	770.72	610280.70	673532.06	
8657.00	90.21	272.98	7969.03	115.10	-859.72	0.31	865.70	610285.48	673437.18	
8752.00	90.42	273.03	7968.51	120.08	-954.59	0.23	960.68	610290.46	673342.31	
8847.00	90.70	273.36	7967.58	125.37	-1049.43	0.46	1055.67	610295.75	673247.47	
8941.00	91.19	273.72	7966.03	131.17	-1143.24	0.65	1149.65	610301.55	673153.66	
9036.00	91.61	274.14	7963.71	137.68	-1237.99	0.63	1244.62	610308.06	673058.91	
9130.00	92.66	274.68	7960.21	144.91	-1331.64	1.26	1338.55	610315.29	672965.26	
9224.00	91.12	274.77	7957.11	152.64	-1425.27	1.64	1432.49	610323.02	672871.63	
9319.00	91.61	275.14	7954.84	160.85	-1519.89	0.65	1527.45	610331.23	672777.01	
9414.00	89.93	274.49	7953.57	168.82	-1614.54	1.90	1622.43	610339.20	672682.36	
9509.00	89.51	274.41	7954.03	176.19	-1709.25	0.45	1717.43	610346.57	672587.65	
9603.00	90.28	275.28	7954.20	184.13	-1802.92	1.24	1811.42	610354.51	672493.98	
9698.00	90.42	274.03	7953.62	191.84	-1897.60	1.32	1906.41	610362.22	672399.30	
9792.00	89.93	272.32	7953.34	197.05	-1991.45	1.89	2000.39	610367.43	672305.45	
9887.00	90.91	271.90	7952.64	200.54	-2086.38	1.12	2095.34	610370.92	672210.52	
9981.00	91.33	272.31	7950.80	204.00	-2180.30	0.62	2189.26	610374.38	672116.60	
10076.00	92.59	273.05	7947.55	208.44	-2275.14	1.54	2284.18	610378.82	672021.76	
10170.00	92.03	272.40	7943.76	212.90	-2368.95	0.91	2378.07	610383.28	671927.95	
10265.00	90.00	271.11	7942.08	215.81	-2463.89	2.53	2472.98	610386.19	671833.01	
10359.00	90.35	271.07	7941.79	217.60	-2557.87	0.37	2566.85	610387.98	671739.03	
10454.00	91.68	271.43	7940.11	219.67	-2652.83	1.45	2661.72	610390.05	671644.07	
10548.00	90.70	271.68	7938.16	222.22	-2746.77	1.08	2755.61	610392.60	671550.13	
10642.00	91.47	272.22	7936.38	225.42	-2840.70	1.00	2849.53	610395.80	671456.20	
10737.00	92.73	272.79	7932.90	229.57	-2935.55	1.46	2944.43	610399.95	671361.35	
10832.00	91.33	272.16	7929.53	233.67	-3030.39	1.62	3039.33	610404.05	671266.51	
10926.00	89.79	271.75	7928.62	236.87	-3124.33	1.70	3133.26	610407.25	671172.57	
11021.00	90.63	271.91	7928.27	239.91	-3219.28	0.90	3228.19	610410.29	671077.62	
11115.00	89.44	272.29	7928.21	243.35	-3313.22	1.33	3322.13	610413.73	670983.68	
11209.00	90.77	272.65	7928.04	247.40	-3407.13	1.47	3416.09	610417.78	670889.77	
11304.00	90.07	272.40	7927.34	251.59	-3502.03	0.78	3511.06	610421.97	670794.87	
11398.00	91.12	272.27	7926.36	255.42	-3595.95	1.13	3605.01	610425.80	670700.95	
11492.00	90.07	272.57	7925.39	259.38	-3689.86	1.16	3698.96	610429.76	670607.04	
11581.00	88.88	272.46	7926.20	263.29	-3778.77	1.34	3787.92	610433.67	670518.13	
11682.00	89.16	272.29	7927.93	267.47	-3879.66	0.32	3888.87	610437.85	670417.24	
11776.00	88.81	272.51	7929.60	271.41	-3973.57	0.44	3982.81	610441.79	670323.33	
11871.00	90.00	273.62	7930.58	276.49	-4068.42	1.71	4077.79	610446.87	670228.48	
11966.00	90.70	273.70	7930.00	282.55	-4163.23	0.74	4172.79	610452.93	670133.67	
12061.00	91.47	273.57	7928.20	288.58	-4258.02	0.82	4267.77	610458.96	670038.88	
12156.00	91.89	273.30	7925.42	294.27	-4352.81	0.53	4362.72	610464.65	669944.09	
12214.00	92.03	273.38	7923.44	297.64	-4410.67	0.28	4420.68	610468.02	669886.23	Last Wft Svy
12289.00	92.03	273.38	7920.78	302.06	-4485.50	0.00	4495.63	610472.44	669811.40	Projection

Annotation

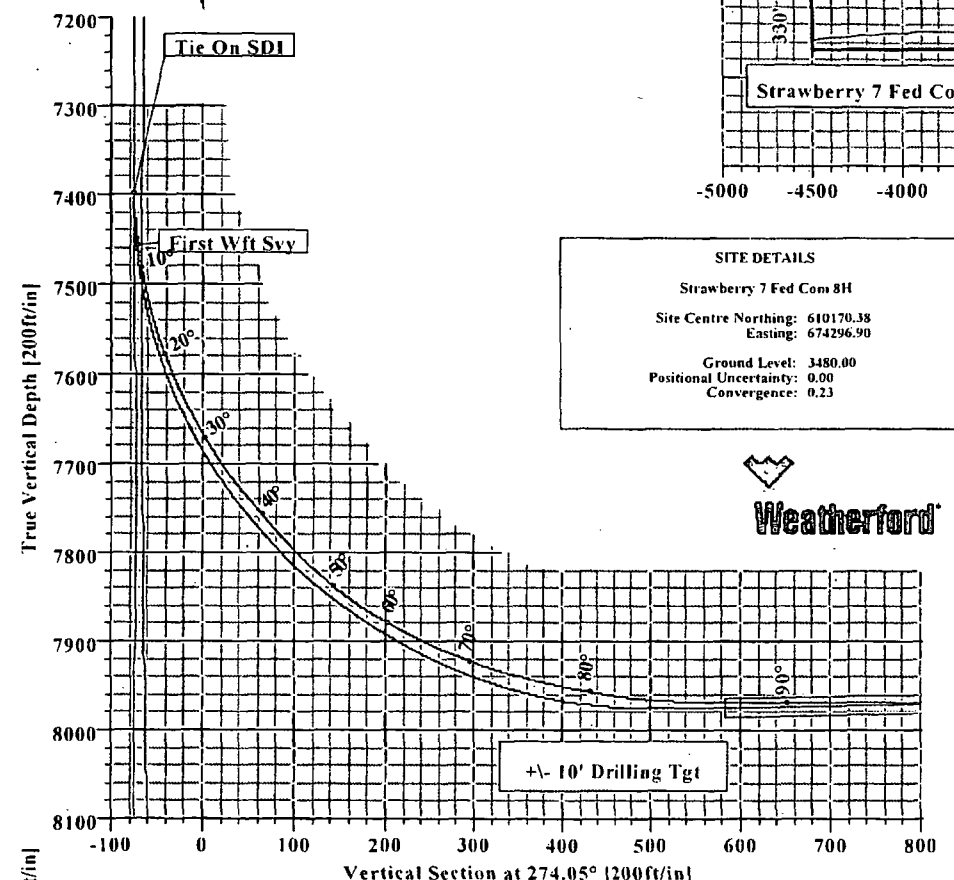
MD ft	TVD ft	
7400.00	7398.08	Tie On SDI
7459.00	7456.88	First Wft Svy
12214.00	7923.44	Last Wft Svy
12289.00	7920.78	Projection



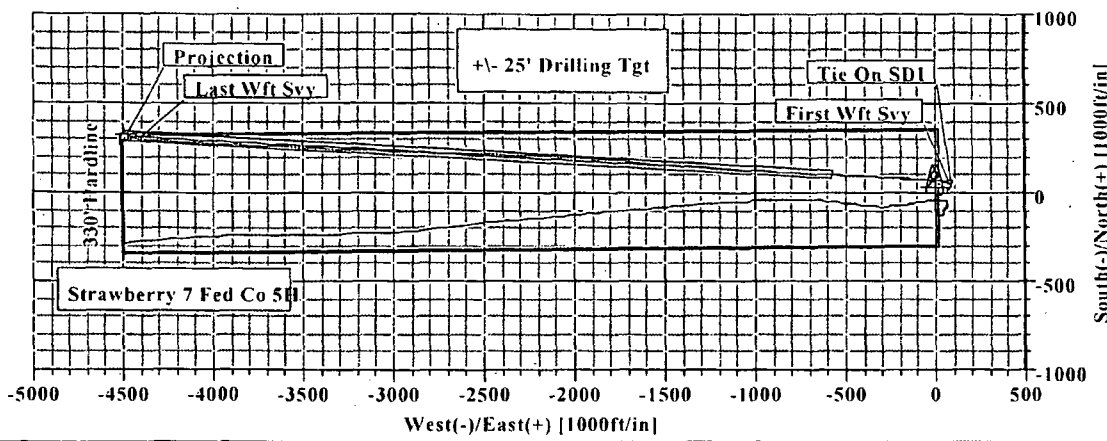
Strawberry 7 Fed Com 8H
Eddy Co, NM



KB ELEV: 3500
GL ELEV: 3480



SITE DETAILS	
Strawberry 7 Fed Com 8H	
Site Centre Northing:	610170.38
Easting:	674296.90
Ground Level:	3480.00
Positional Uncertainty:	0.00
Convergence:	0.23



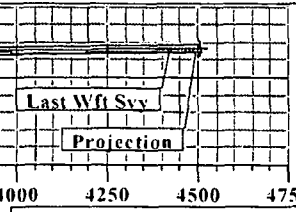
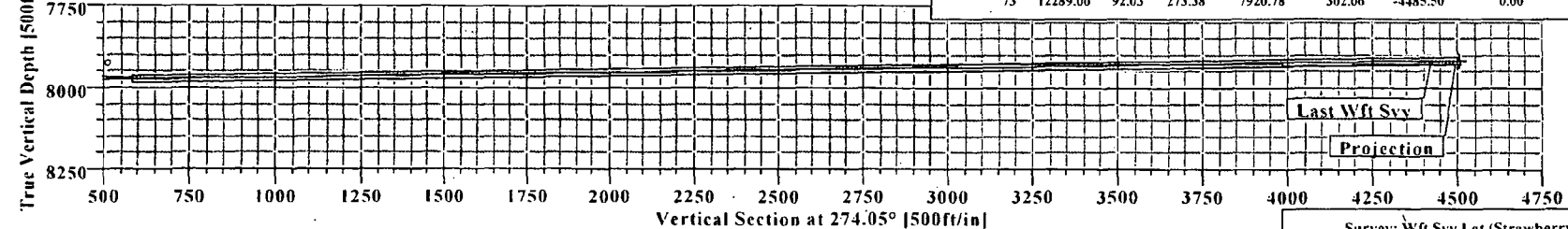
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7400.00	0.35	336.70	7398.08	65.29	79.90	0.00	0.00	-75.09	
2	7406.06	0.35	335.24	7404.14	65.32	79.88	0.15	269.27	-75.07	
3	7421.00	2.13	273.17	7419.08	65.38	79.59	13.33	-71.00	-74.77	
4	7426.00	2.13	273.17	7424.07	65.39	79.40	0.00	0.00	-74.59	
5	8313.37	90.87	273.17	7975.66	97.48	-500.96	10.00	0.00	506.59	
6	12314.59	90.87	273.17	7915.00	318.40	-4495.61	0.00	0.00	4506.87	PBHL

WELL DETAILS					
Name	+N/-S	+E/-W	Northing	Easting	Latitude
Strawberry 7 Fed Com 8H	0.00	0.00	610170.38	674296.90	32°40'35.961N

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7915.00	318.40	-4495.61	610488.78	669801.29	Rectangle (3925x50)

LEGEND	
	Strawberry 7 Fed Com 8H, Lat. Plan #4
	Strawberry 7 Fed Com 5H (1)
	Strawberry 7 Fed Com 8H (Pilot)
	Lat
	Wft Svy Lat

Survey: Wft Svy Lat (Strawberry 7 Fed Com 8H/Lat)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
73	12289.00	92.03	273.38	7920.78	302.06	-4485.50	0.00	0.00	4495.63



Survey: Wft Svy Lat (Strawberry 7 Fed Com 8H/Lat)
Created By: Patrick Rudolph
Date: 11/23/2013