



A GYRO TECHNOLOGIES INC. COMPANY

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

October 11, 2013

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

15- 39417

Attn: Patti Riechers

Re: **Capella 14 Federal Com No. 003H**

Please find enclosed a copy of the survey from 0.00' to 4495:00' 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.

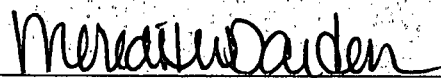
Sincerely,


Keith Havelka
Operations

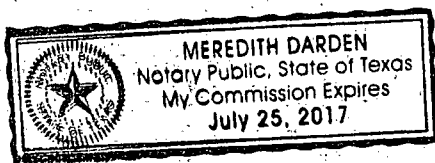
STATE OF TEXAS §

COUNTY OF NUECES §

This instrument was acknowledged before me on the 11 day of October, A.D., 2013, by Keith Havelka.



Meredith Darden
Notary Public, State of Texas





Company: Devon Energy Production Co.
 Lease/Well: Capella 14 Federal Com/No. 003H
 Location: Sec14 T19S R31E
 Rig Name: McVay 10
 State/County: New Mexico/Eddy
 Latitude: 32.67, Longitude: -103.84
 GRID North is 0.26 Degrees East of True North
 VS-Azi: 0.00 Degrees



Depth Reference : RKB = 20 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...a 14 federal com #3h-de_01.ut

Minimum Curvature Method

Report Date/Time: 10/11/2013 / 10:55

Vaughn Energy Services

West, Texas

432-563-5444

Surveyor: Chris Bankson

Capella 14 Federal Com No. 003H / API 30-015-39417

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	0.82	214.17	100.00	-0.60	-0.40	-0.60	0.72	214.17	0.82
200.00	0.87	230.12	199.99	-1.68	-1.39	-1.68	2.18	219.66	0.24
300.00	1.21	233.56	299.97	-2.79	-2.82	-2.79	3.97	225.32	0.35
400.00	1.18	228.57	399.95	-4.10	-4.44	-4.10	6.05	227.31	0.11
500.00	1.13	228.52	499.93	-5.44	-5.96	-5.44	8.06	227.62	0.05
600.00	1.15	225.84	599.91	-6.79	-7.41	-6.79	10.05	227.53	0.06
700.00	0.82	222.68	699.89	-8.01	-8.62	-8.01	11.77	227.09	0.33
800.00	0.51	223.83	799.89	-8.86	-9.41	-8.86	12.93	226.73	0.31
900.00	0.47	223.08	899.88	-9.48	-10.00	-9.48	13.78	226.53	0.04
1000.00	0.40	227.55	999.88	-10.02	-10.54	-10.02	14.54	226.46	0.08
1100.00	0.06	203.06	1099.88	-10.30	-10.82	-10.30	14.94	226.40	0.34
1200.00	0.19	165.73	1199.88	-10.51	-10.80	-10.51	15.07	225.78	0.14
1300.00	0.34	112.21	1299.88	-10.78	-10.49	-10.78	15.04	224.22	0.27
1400.00	0.55	101.06	1399.87	-10.98	-9.75	-10.98	14.68	221.59	0.23
1500.00	0.45	89.54	1499.87	-11.07	-8.89	-11.07	14.19	218.75	0.14
1600.00	1.06	62.08	1599.86	-10.63	-7.67	-10.63	13.11	215.82	0.69
1700.00	2.30	67.86	1699.82	-9.44	-5.00	-9.44	10.68	207.89	1.25
1800.00	2.83	65.00	1799.72	-7.64	-0.91	-7.64	7.70	186.76	0.54



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: October 21, 2013

Attention: Art Alarcon

Re: Devon Energy
Well: Capella 14 Federal Com 3H
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:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Jose Rivera	3H	4596' MD	10/5/2013	Measurement
MWD Supervisor		13605' MD	10/17/2013	While Drilling

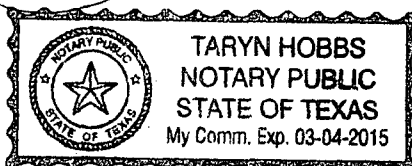
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 24th day of October, 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



devon

Weatherford

Wft Survey Report X Y's.

Weatherford

Company: Devon Energy Date: 10/17/2013 Time: 05:46:18 Page: 1
 Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: 3H, Grid North
 Site: Capella 14 Federal Com 3H Vertical (TVD) Reference: SITE 3577.0
 Well: 3H Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy Start Date: 10/8/2013
 Company: Weatherford Engineer: Russell W. Joyner
 Tool: MWD:MWD - Standard Tied-to: User Defined

Site: Capella 14 Federal Com 3H

Site Position: Northing: 606673.89 ft Latitude: 32 40 0.593 N
 From: Map Easting: 692202.48 ft Longitude: 103 50 35.084 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3557.00 ft Grid Convergence: 0.26 deg

Well: 3H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 606673.89 ft Latitude: 32 40 0.593 N
 +E/-W 0.00 ft Easting: 692202.48 ft Longitude: 103 50 35.084 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Height 3577.00 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 10/30/2013 Above System Datum: Mean Sea Level
 Field Strength: 48641 nT Declination: 7.45 deg
 Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.49 deg
 ft ft +E/-W Direction
 ft deg
 0.00 0.00 0.00 179.60

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
4495.00	0.74	340.75	4493.67	50.20	7.33	0.00	-50.15	606724.09	692209.81	Tie On VES First Wft Svy
4596.00	1.09	339.23	4594.66	51.71	6.77	0.35	-51.67	606725.60	692209.25	
4628.00	0.87	352.26	4626.65	52.24	6.63	0.97	-52.19	606726.13	692209.11	
4659.00	1.40	347.27	4657.65	52.84	6.52	1.74	-52.80	606726.73	692209.00	
4691.00	2.20	352.37	4689.63	53.83	6.35	2.55	-53.79	606727.72	692208.83	
4722.00	2.97	346.21	4720.60	55.20	6.08	2.64	-55.16	606729.09	692208.56	
4754.00	3.46	346.73	4752.55	56.95	5.66	1.53	-56.91	606730.84	692208.14	
4848.00	3.54	347.28	4846.37	62.54	4.37	0.09	-62.51	606736.43	692206.85	
4942.00	3.57	351.36	4940.19	68.26	3.29	0.27	-68.24	606742.15	692205.77	
5037.00	3.16	348.04	5035.03	73.75	2.31	0.48	-73.73	606747.64	692204.79	
5131.00	3.95	351.77	5128.85	79.49	1.31	0.88	-79.48	606753.38	692203.79	
5225.00	3.81	351.71	5222.63	85.78	0.39	0.15	-85.78	606759.67	692202.87	
5320.00	3.55	355.64	5317.44	91.84	-0.29	0.38	-91.84	606765.73	692202.19	
5414.00	3.37	350.14	5411.26	97.46	-0.98	0.40	-97.47	606771.35	692201.50	
5508.00	3.57	355.38	5505.09	103.10	-1.69	0.40	-103.11	606776.99	692200.79	
5602.00	3.48	352.94	5598.91	108.85	-2.28	0.19	-108.86	606782.74	692200.20	
5697.00	3.45	354.07	5693.74	114.55	-2.93	0.08	-114.57	606788.44	692199.55	
5791.00	3.15	350.06	5787.59	119.91	-3.66	0.40	-119.93	606793.80	692198.82	
5886.00	2.89	355.24	5882.45	124.87	-4.31	0.40	-124.90	606798.76	692198.17	
5981.00	3.30	350.33	5977.31	129.95	-4.97	0.51	-129.98	606803.84	692197.51	
6075.00	3.34	354.89	6071.16	135.35	-5.67	0.28	-135.38	606809.24	692196.81	
6169.00	3.30	350.19	6165.00	140.74	-6.38	0.29	-140.78	606814.63	692196.10	
6264.00	3.10	351.57	6259.85	145.97	-7.22	0.23	-146.02	606819.86	692195.26	
6359.00	4.03	349.37	6354.67	151.80	-8.21	0.99	-151.85	606825.69	692194.27	
6454.00	3.99	352.27	6449.43	158.35	-9.27	0.22	-158.41	606832.24	692193.21	
6548.00	4.00	351.95	6543.21	164.84	-10.17	0.03	-164.91	606838.73	692192.31	
6642.00	3.89	352.16	6636.98	171.24	-11.06	0.12	-171.32	606845.13	692191.42	
6737.00	4.03	350.69	6731.76	177.73	-12.04	0.18	-177.81	606851.62	692190.44	
6831.00	3.74	354.55	6825.54	184.04	-12.87	0.42	-184.13	606857.93	692189.61	
6926.00	3.48	349.33	6920.35	189.96	-13.70	0.44	-190.05	606863.85	692188.78	



Weatherford

Wft Survey Report X Y's.



Weatherford

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Capella 14 Federal Com 3H
Well: 3H
Wellpath: 1

Date: 10/17/2013 Time: 05:46:18 Page: 2
Co-ordinate(NE) Reference: Well: 3H, Grid North
Vertical (TVD) Reference: SITE 3577.0
Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)
Survey Calculation Method: 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
7020.00	3.55	353.75	7014.18	195.66	-14.54	0.30	-195.75	606869.55	692187.94	
7115.00	3.32	354.07	7109.00	201.32	-15.15	0.24	-201.42	606875.21	692187.33	
7209.00	2.87	353.50	7202.87	206.36	-15.69	0.48	-206.47	606880.25	692186.79	
7304.00	3.50	357.46	7297.72	211.62	-16.09	0.70	-211.73	606885.51	692186.39	
7398.00	3.07	357.42	7391.57	217.00	-16.33	0.46	-217.11	606890.89	692186.15	
7492.00	2.35	2.15	7485.46	221.44	-16.37	0.80	-221.55	606895.33	692186.11	
7587.00	3.24	355.39	7580.35	226.07	-16.52	1.00	-226.18	606899.96	692185.96	
7681.00	2.63	351.74	7674.22	230.85	-17.04	0.68	-230.96	606904.74	692185.44	
7775.00	3.78	351.05	7768.07	236.04	-17.83	1.22	-236.16	606909.93	692184.65	
7870.00	3.82	347.28	7862.86	242.22	-19.01	0.27	-242.35	606916.11	692183.47	
7964.00	3.79	347.13	7956.66	248.31	-20.40	0.03	-248.44	606922.20	692182.08	
8059.00	3.50	351.93	8051.47	254.24	-21.50	0.44	-254.38	606928.13	692180.98	
8153.00	3.21	351.43	8145.30	259.68	-22.30	0.31	-259.83	606933.57	692180.18	
8248.00	2.70	349.08	8240.18	264.51	-23.12	0.55	-264.66	606938.40	692179.36	
8350.00	2.47	347.14	8342.07	269.01	-24.06	0.24	-269.17	606942.90	692178.42	
8437.00	0.92	272.76	8429.04	270.87	-25.18	2.75	-271.04	606944.76	692177.30	
8468.00	4.01	197.23	8460.01	269.85	-25.75	12.53	-270.02	606943.74	692176.73	
8500.00	6.92	183.78	8491.86	266.86	-26.21	9.88	-267.03	606940.75	692176.27	
8531.00	9.97	181.58	8522.53	262.31	-26.40	9.89	-262.49	606936.20	692176.08	
8563.00	13.10	179.47	8553.88	255.91	-26.45	9.87	-256.09	606929.80	692176.03	
8594.00	16.16	178.36	8583.87	248.08	-26.29	9.91	-248.26	606921.97	692176.19	
8626.00	19.22	177.21	8614.35	238.37	-25.91	9.62	-238.55	606912.26	692176.57	
8657.00	21.92	177.87	8643.37	227.49	-25.44	8.74	-227.66	606901.38	692177.04	
8689.00	24.87	177.37	8672.74	214.80	-24.91	9.24	-214.96	606888.69	692177.57	
8720.00	27.68	178.24	8700.53	201.08	-24.39	9.15	-201.25	606874.97	692178.09	
8752.00	30.70	180.10	8728.46	185.48	-24.18	9.85	-185.65	606859.37	692178.30	
8783.00	33.10	180.25	8754.78	169.10	-24.23	7.75	-169.27	606842.99	692178.25	
8815.00	36.07	180.79	8781.12	150.94	-24.40	9.33	-151.11	606824.83	692178.08	
8846.00	38.07	180.61	8805.86	132.26	-24.62	6.46	-132.43	606806.15	692177.86	
8878.00	40.74	181.19	8830.58	111.95	-24.95	8.42	-112.12	606785.84	692177.53	
8909.00	42.69	180.54	8853.72	91.32	-25.25	6.44	-91.50	606765.21	692177.23	
8941.00	45.15	179.96	8876.77	69.13	-25.35	7.79	-69.30	606743.02	692177.13	
8972.00	48.08	179.38	8898.06	46.60	-25.22	9.55	-46.78	606720.49	692177.26	
9004.00	51.20	179.62	8918.78	22.22	-25.00	9.77	-22.40	606696.11	692177.48	
9035.00	54.18	179.77	8937.57	-2.43	-24.87	9.62	2.26	606671.46	692177.61	
9066.00	56.69	179.97	8955.15	-27.96	-24.82	8.11	27.78	606645.93	692177.66	
9098.00	59.29	180.57	8972.11	-55.09	-24.95	8.28	54.91	606618.80	692177.53	
9130.00	62.15	181.25	8987.76	-82.99	-25.39	9.13	82.81	606590.90	692177.09	
9161.00	65.53	181.51	9001.43	-110.81	-26.06	10.93	110.62	606563.08	692176.42	
9193.00	68.86	181.00	9013.83	-140.29	-26.71	10.51	140.10	606533.60	692175.77	
9224.00	71.38	180.61	9024.37	-169.44	-27.12	8.21	169.25	606504.45	692175.36	
9243.00	72.83	181.10	9030.21	-187.52	-27.39	8.02	187.32	606486.37	692175.09	
9275.00	75.47	181.21	9038.95	-218.29	-28.01	8.26	218.09	606455.60	692174.47	
9306.00	77.90	180.86	9046.09	-248.45	-28.55	7.92	248.25	606425.44	692173.93	
9338.00	80.82	180.84	9052.00	-279.90	-29.02	9.13	279.69	606393.99	692173.46	
9369.00	83.85	180.74	9056.13	-310.61	-29.44	9.78	310.40	606363.28	692173.04	
9401.00	85.95	180.45	9058.97	-342.48	-29.77	6.62	342.27	606331.41	692172.71	
9432.00	86.09	180.79	9061.13	-373.40	-30.11	1.18	373.19	606300.49	692172.37	
9495.00	89.16	179.91	9063.74	-436.34	-30.49	5.07	436.12	606237.55	692171.99	
9526.00	89.44	180.06	9064.11	-467.34	-30.48	1.02	467.11	606206.55	692172.00	
9621.00	89.93	180.45	9064.64	-562.34	-30.91	0.66	562.11	606111.55	692171.57	
9715.00	88.81	180.16	9065.67	-656.33	-31.41	1.23	656.09	606017.56	692171.07	

devon

Weatherford

Wft Survey Report X Y's.



Weatherford

Company: Devon Energy
 Field: Eddy Co., NM (NAD 83)
 Site: Capella 14 Federal Com 3H
 Well: 3H
 Wellpath: 1

Date: 10/17/2013
 Co-ordinate(NE) Reference: Well: 3H, Grid North
 Vertical (TVD) Reference: SITE 3577.0
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 Survey Calculation Method: Minimum Curvature
 Db: Sybase

Page: 3

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
9810.00	88.67	180.02	9067.76	-751.30	-31.56	0.21	751.07	605922.59	692170.92	
9905.00	88.32	179.93	9070.25	-846.27	-31.51	0.38	846.03	605827.62	692170.97	
9999.00	88.04	180.63	9073.24	-940.22	-31.97	0.80	939.98	605733.67	692170.51	
10094.00	87.41	180.62	9077.01	-1035.14	-33.01	0.66	1034.89	605638.75	692169.47	
10188.00	88.25	179.24	9080.57	-1129.07	-32.89	1.72	1128.81	605544.82	692169.59	
10283.00	88.18	179.28	9083.53	-1224.02	-31.67	0.08	1223.77	605449.87	692170.81	
10377.00	89.58	179.50	9085.37	-1317.99	-30.67	1.51	1317.74	605355.90	692171.81	
10471.00	89.79	177.26	9085.88	-1411.95	-28.01	2.39	1411.72	605261.94	692174.47	
10566.00	89.23	177.68	9086.70	-1506.85	-23.82	0.74	1506.65	605167.04	692178.66	
10661.00	88.81	177.95	9088.32	-1601.77	-20.19	0.53	1601.59	605072.12	692182.29	
10755.00	89.44	178.51	9089.76	-1695.71	-17.29	0.90	1695.55	604978.18	692185.19	
10849.00	88.95	178.40	9091.08	-1789.67	-14.76	0.53	1789.52	604884.22	692187.72	
10944.00	88.39	178.94	9093.28	-1884.61	-12.55	0.82	1884.48	604789.28	692189.93	
11038.00	90.21	178.89	9094.43	-1978.59	-10.77	1.94	1978.46	604695.30	692191.71	
11132.00	90.77	179.14	9093.63	-2072.57	-9.16	0.65	2072.45	604601.32	692193.32	
11227.00	89.09	179.81	9093.74	-2167.56	-8.29	1.90	2167.45	604506.33	692194.19	
11321.00	89.09	181.06	9095.24	-2261.54	-9.00	1.33	2261.43	604412.35	692193.48	
11415.00	88.88	181.98	9096.90	-2355.49	-11.49	1.00	2355.36	604318.40	692190.99	
11510.00	89.16	180.99	9098.53	-2450.45	-13.95	1.08	2450.29	604223.44	692188.53	
11604.00	89.65	181.25	9099.50	-2544.42	-15.79	0.59	2544.25	604129.47	692186.69	
11698.00	89.72	181.59	9100.02	-2638.39	-18.12	0.37	2638.20	604035.50	692184.36	
11793.00	89.51	180.01	9100.66	-2733.38	-19.45	1.68	2733.18	603940.51	692183.03	
11888.00	89.23	179.60	9101.70	-2828.37	-19.12	0.52	2828.17	603845.52	692183.36	
11982.00	89.16	180.65	9103.02	-2922.36	-19.33	1.12	2922.16	603751.53	692183.15	
12076.00	89.93	177.58	9103.77	-3016.34	-17.88	3.37	3016.14	603657.55	692184.60	
12171.00	90.21	177.52	9103.65	-3111.25	-13.82	0.30	3111.08	603562.64	692188.66	
12266.00	90.21	177.85	9103.30	-3206.17	-9.98	0.35	3206.02	603467.72	692192.50	
12360.00	89.86	177.74	9103.25	-3300.10	-6.36	0.39	3299.98	603373.79	692196.12	
12455.00	89.72	177.94	9103.60	-3395.03	-2.78	0.26	3394.93	603278.86	692199.70	
12549.00	89.72	178.27	9104.05	-3488.98	0.33	0.35	3488.90	603184.91	692202.81	
12643.00	90.07	178.08	9104.23	-3582.93	3.32	0.42	3582.87	603090.96	692205.80	
12738.00	90.35	178.30	9103.88	-3677.88	6.32	0.37	3677.84	602996.01	692208.80	
12832.00	90.49	178.91	9103.19	-3771.85	8.61	0.67	3771.82	602902.04	692211.09	
12927.00	89.02	178.27	9103.60	-3866.82	10.95	1.69	3866.80	602807.07	692213.43	
13021.00	88.82	178.47	9105.37	-3960.77	13.62	0.30	3960.76	602713.12	692216.10	
13116.00	88.88	178.85	9107.27	-4055.72	15.84	0.40	4055.73	602618.17	692218.32	
13210.00	89.02	178.93	9109.00	-4149.69	17.66	0.17	4149.71	602524.20	692220.14	
13305.00	88.88	179.34	9110.74	-4244.66	19.10	0.46	4244.69	602429.23	692221.58	
13399.00	89.16	178.78	9112.35	-4338.63	20.64	0.67	4338.67	602335.26	692223.12	
13494.00	89.51	179.55	9113.45	-4433.62	22.02	0.89	4433.66	602240.27	692224.50	
13605.00	89.86	180.03	9114.06	-4544.61	22.43	0.54	4544.66	602129.28	692224.91	Last Wft Svy
13672.00	89.86	180.03	9114.22	-4611.61	22.39	0.00	4611.66	602062.28	692224.87	Proj. To Bit

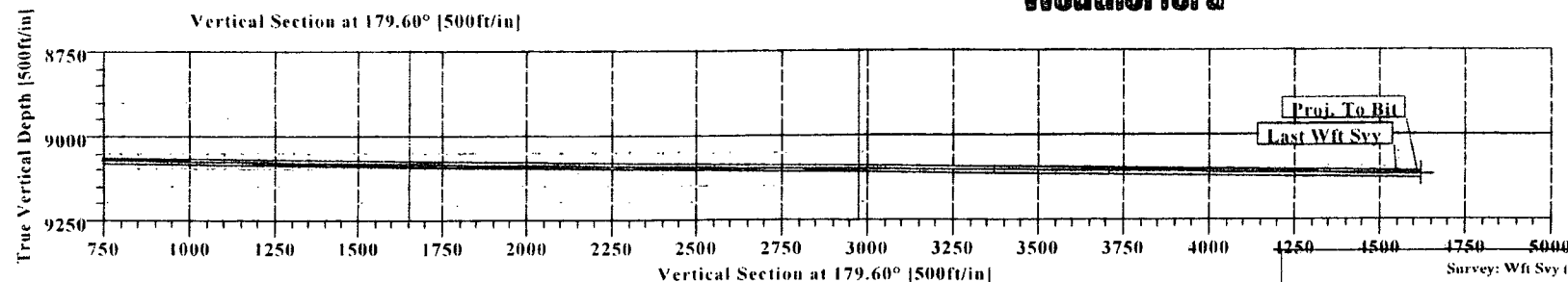
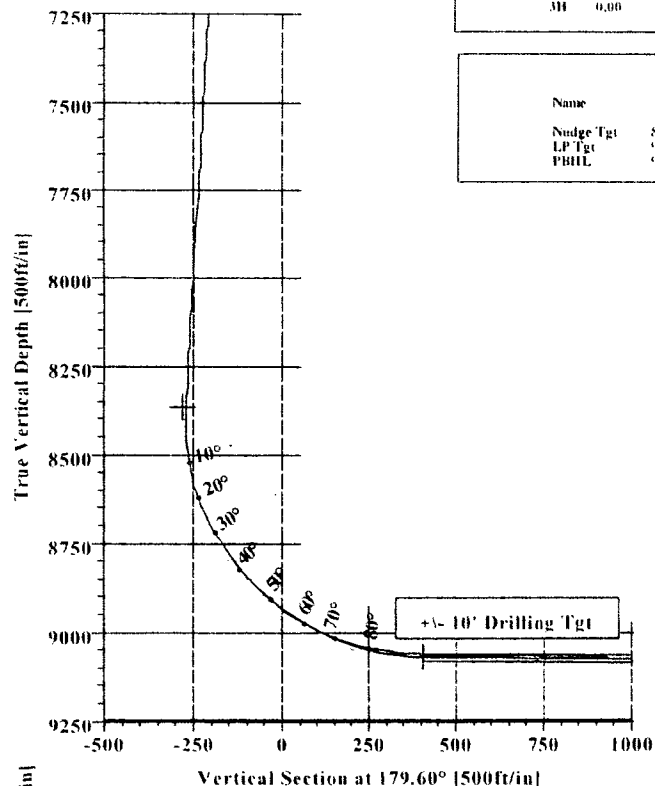
Annotation

MD ft	TVD ft	
4495.00	4493.67	Tie On VES
4596.00	4594.66	First Wft Svy
13605.00	9114.06	Last Wft Svy
13672.00	9114.22	Proj. To Bit



Capella 14 Federal Com 3H Eddy Co., New Mexico

KB ELEV: 3577
GL ELEV: 35577



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8815.00	36.07	180.79	8781.12	150.94	-24.40	0.00	0.00	-151.11	
2	9467.97	89.32	179.59	9070.00	-408.60	-24.73	8.16	358.50	-408.42	
3	12344.69	89.32	179.59	9104.14	-3285.05	-4.15	0.00	0.00	3284.94	
4	12384.23	89.32	178.40	9104.61	-3324.58	-3.46	3.00	-90.01	3324.47	
5	13680.94	89.32	178.40	9120.00	-4620.69	32.66	0.00	0.00	4620.81	PBHL

WELL DETAILS							
Name +N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
MH	0.00	0.00	606673.89	692202.48	32°40'00.593N	103°50'35.084W	N/A

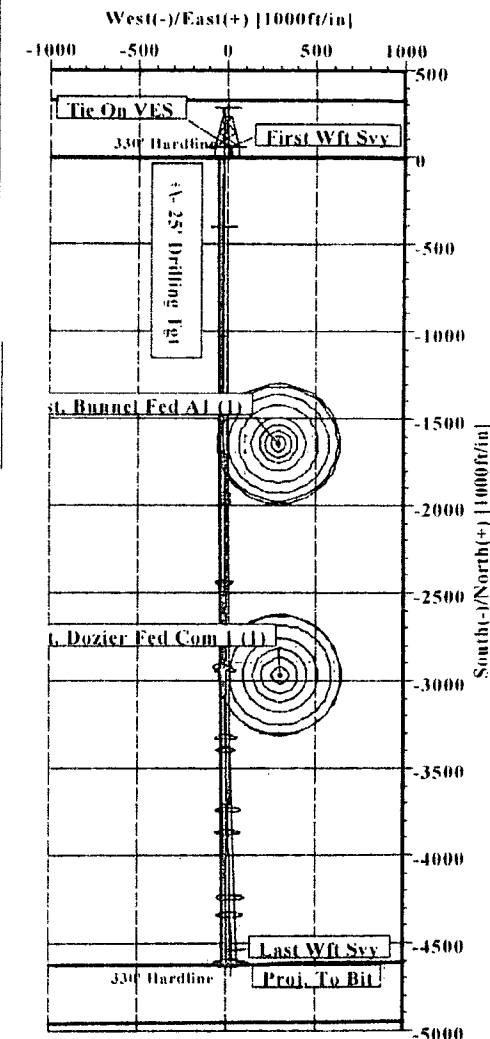
TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Nudge Tgt	8368.00	279.65	-1.98	606953.54	692200.50	Point
LP Tgt	9070.00	-408.60	-24.73	606265.29	692177.75	Rectangle (3300x50)
PBHL	9120.00	-4620.69	32.66	602053.20	692235.14	Rectangle (1250x50)

SITE DETAILS	
Capella 14 Federal Com 3H	
Site Centre Northing:	606673.89
Easting:	692202.48
Ground Level:	3557.00
Positional Uncertainty:	0.00
Convergence:	0.26

LEGEND	
	JH.I.Plun #6
	JH.I.Gyro
	Exist. Bunnel Fed A1 (1)
	Exist. Dozier Fed Com 1 (1)
	Wft Svy



Weatherford



Created By: Russell W. Joyner

Date: 10/17/2013



Proppant Summary by Stage

District PERMIAN BASIN		County EDDY		Field Name HACKBERRY		Project Group DELAWARE BASIN		State/Province NM	
Surface Legal Location SEC14 T19S R31E			API/UWI 3001539417	Latitude (°) 32° 40' 0.605" N	Longitude (°) 103° 50' 35.068" E	Ground Elev MSL (ft) 3,557.10	KB - Ground Level (ft) 20.00	Orig KB Elevation (ft) 3,577.10	Tubing Head Elevation (ft)
Stage #	Date	Total Clean Volume Pumped (bbl)	Proppant Design (lb)	Proppant Fm (lb)	Proppant WB (lb)	Conc Max (lb/gal)	BH Conc Max (lb/gal)	Total Add Amount	
1	11/4/2013 01:41	5840.36	132,225.0	128,424.7		1.66		0.10# 100 Mesh, Prop_2.64 unknown 93.17 lbm; 0.20, Prop_2.64 unknown 588.356 lbm; 0.25# 40/70 White,	
2	11/4/2013 05:49	5839.84	132,225.0	132,262.0		1.82		0.10# 100 Mesh, Prop_2.64 unknown 245.99 lbm; 0.20, Prop_2.64 unknown 409.234 lbm; 0.25# 40/70 White,	
3	11/4/2013 09:26	5806.22	132,225.0	131,373.2		1.61		0.10# 100 Mesh, Prop_2.64 unknown 147.238 lbm; 0.20, Prop_2.64 unknown 468.344 lbm; 0.25# 40/70 Whit	
4	11/5/2013 00:03	5766.69	132,225.0	131,029.7		1.58		0.10# 100 Mesh, Prop_2.64 unknown 328.825 lbm; 0.20, Prop_2.64 unknown 607.106 lbm; 0.25# 40/70 Whit	
5	11/5/2013 09:23	5732.36	132,225.0	134,768.3		1.56		0.10# 100 Mesh, Prop_2.64 unknown 149.349 lbm; 0.20, Prop_2.64 unknown 505.394 lbm; 0.25# 40/70 Whit	
6	11/5/2013 12:42	5732.36	132,225.0	134,768.3		1.56		0.10# 100 Mesh, Prop_2.64 unknown 149.349 lbm; 0.20, Prop_2.64 unknown 505.394 lbm; 0.25# 40/70 Whit	
7	11/5/2013 15:54	5703.41	132,225.0	126,620.1		1.54		0.10# 100 Mesh, Prop_2.64 unknown 181.608 lbm; 0.20, Prop_2.64 unknown 354.796 lbm; 0.25# 40/70 Whit	
8	11/6/2013 09:12	5689.09	132,225.0	126,558.7		1.61		0.10# 100 Mesh, Prop_2.64 unknown 169.661 lbm; 0.20, Prop_2.64 unknown 475.019 lbm; 0.25# 40/70 Whit	
9	11/6/2013 12:19	5664.72	132,225.0	124,740.3		1.64		0.10# 100 Mesh, Prop_2.64 unknown 97.978 lbm; 0.20, Prop_2.64 unknown 530.641 lbm; 0.25# 40/70 White	
10	11/6/2013 15:14	5663.29	132,225.0	138,255.2		1.74		0.10# 100 Mesh, Prop_2.64 unknown 148.207 lbm; 0.20, Prop_2.64 unknown 413.63 lbm; 0.25# 40/70 White	

CAPELLA 14 FED COM 3H - Permian Basin Stimulation Summary - Page No. 1 - Date: 12/3...

Stage #	Date	Type	Zone	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Proppant Frm (lb)	Proppant Design (lb)	Total Clean Volume Pumped (bbl)	Conc Max (lb/gal)	P. Max (psi)	ISIP (psi)	Q Start Max (bbl/min)
1	11/4/2013 01:41	SLICKWATER FRAC	BONE SPRING 2ND, OH	13,236.0	13,600.0	128,424.7	132,225.0	5840.36	1.66	5,621.0	2,436.0	82
2	11/4/2013 05:49	SLICKWATER FRAC	BONE SPRING 2ND, OH	12,782.0	13,147.0	132,262.0	132,225.0	5839.84	1.82	4,821.0	2,408.0	81
3	11/4/2013 09:26	SLICKWATER FRAC	BONE SPRING 2ND, OH	12,329.0	12,694.0	131,373.2	132,225.0	5806.22	1.61	4,588.0	2,534.0	81
4	11/5/2013 00:03	SLICKWATER FRAC	BONE SPRING 2ND, OH	11,876.0	12,241.0	131,029.7	132,225.0	5766.69	1.58	5,000.0	2,431.0	82
5	11/5/2013 09:23	SLICKWATER FRAC	BONE SPRING 2ND, OH	11,425.0	11,788.0	134,768.3	132,225.0	5732.36	1.56	4,918.0	2,754.0	81
6	11/5/2013 12:42	SLICKWATER FRAC	BONE SPRING 2ND, OH	10,970.0	11,338.0	134,768.3	132,225.0	5732.36	1.56	4,918.0	2,754.0	81
7	11/5/2013 15:54	SLICKWATER FRAC	BONE SPRING 2ND, OH	10,517.0	10,882.0	126,620.1	132,225.0	5703.41	1.54	4,370.0	2,833.0	81
8	11/6/2013 09:12	SLICKWATER FRAC	BONE SPRING 2ND, OH	10,066.0	10,429.0	126,558.7	132,225.0	5689.09	1.61	4,368.0	2,817.0	81
9	11/6/2013 12:19	SLICKWATER FRAC	BONE SPRING 2ND, OH	9,604.0	9,979.0	124,740.3	132,225.0	5664.72	1.64	4,371.0	2,743.0	81
10	11/6/2013 15:14	SLICKWATER FRAC	BONE SPRING 2ND, OH	9,158.0	9,518.0	138,255.2	132,225.0	5663.29	1.74	5,301.0	2,579.0	81