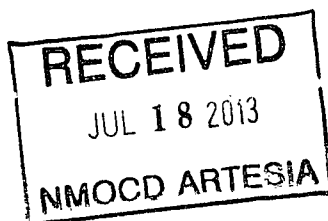




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-40741



June 10, 2013

COG, LLC
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701

RE: Omelette State Com #1H
800' FSL & 1020' FWL
Sec. 8, T25S, R30E
Eddy County, New Mexico

Dear Sir,

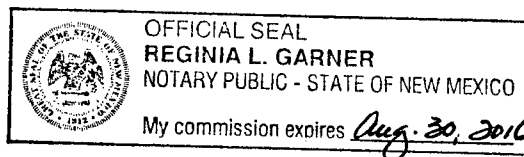
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 10th day of June, 2013.

Notary Public

OMELETTE STATE COM 1H

Date	Depth	Deviation	Direction	TVD
5/22/2013	237	0.80	0.00	0.00
5/22/2013	367	1.30	0.00	0.00
5/23/2013	483	1.80	317.30	482.90
5/23/2013	514	1.70	321.20	513.91
5/23/2013	697	0.80	351.60	696.87
5/23/2013	972	0.50	12.50	971.83
5/24/2013	1156	0.80	67.70	1155.82
5/24/2013	1340	0.60	42.30	1339.78
5/24/2013	1524	1.10	316.80	1523.77
5/24/2013	1616	0.60	313.50	1615.70
5/24/2013	1807	0.50	347.40	1806.70
5/24/2013	2093	0.70	278.00	2092.70
5/24/2013	2189	0.90	272.20	2188.72
5/24/2013	2379	1.00	277.80	2378.69
5/24/2013	2474	0.30	286.80	2473.68
5/25/2013	2570	0.70	172.20	2569.67
5/25/2013	2664	1.80	156.00	2663.65
5/26/2013	2760	2.60	144.20	2759.58
5/26/2013	2855	3.30	135.40	2854.46
5/26/2013	2949	2.90	133.30	2948.32
5/27/2013	3139	2.10	152.10	3138.14
5/27/2013	3233	0.50	116.30	3232.11
5/27/2013	3328	0.40	97.80	3327.11
5/27/2013	3518	0.90	185.90	3517.09
5/27/2013	3586	0.90	236.10	3585.09
5/29/2013	3925	0.40	0.00	0.00
5/29/2013	4426	0.50	0.00	0.00
5/29/2013	4871	0.70	0.00	0.00
5/29/2013	5317	1.10	0.00	0.00
5/29/2013	5762	0.80	0.00	0.00
5/30/2013	6206	0.60	0.00	0.00
5/30/2013	6650	1.10	0.00	0.00
5/31/2013	7096	1.00	0.00	0.00
6/1/2013	7440	1.10	197.30	7438.51
6/1/2013	7504	5.30	241.91	7502.44
6/1/2013	7536	11.10	247.60	7534.90
6/1/2013	7567	16.40	246.90	7564.20
6/1/2013	7599	20.30	247.60	7594.57
6/2/2013	7631	23.10	249.10	7624.30
6/2/2013	7726	31.70	254.20	7708.56
6/2/2013	7757	33.90	254.90	7734.61
6/2/2013	7820	38.00	257.40	7785.76
6/2/2013	7916	46.60	261.10	7856.55

Date	Depth	Deviation	Direction	TVD
6/2/2013	7947	50.20	261.40	7844.13
6/2/2013	7979	53.00	262.20	7897.00
6/2/2013	8043	57.40	261.40	7933.57
6/2/2013	8050	55.10	261.60	7815.79
6/2/2013	8075	59.80	261.60	7950.24
6/2/2013	8106	61.60	261.80	7965.41
6/2/2013	8138	63.60	262.20	7980.13
6/3/2013	8170	66.30	263.60	7993.68
6/3/2013	8234	70.20	262.70	8017.57
6/3/2013	8265	74.60	262.00	8026.95
6/3/2013	8328	82.70	261.80	8039.45
6/3/2013	8360	86.90	263.60	8042.35
6/4/2013	8423	88.50	264.60	8044.77
6/4/2013	8709	89.40	266.00	8047.69
6/4/2013	8900	90.10	265.00	8049.61
6/4/2013	8996	91.10	263.20	8048.60
6/4/2013	9281	90.00	264.40	8043.89
6/4/2013	9471	92.40	263.90	8041.92
6/4/2013	9662	90.60	261.80	8037.41
6/4/2013	9757	91.20	263.40	8035.92
6/4/2013	9853	93.80	265.10	8031.73
6/4/2013	9948	92.70	263.99	8026.34
6/4/2013	10043	91.40	264.10	8022.95
6/5/2013	10138	90.60	264.10	8021.29
6/5/2013	10329	90.70	265.30	8021.54
6/5/2013	10519	89.30	264.60	8020.21
6/5/2013	10613	91.20	264.60	8019.80
6/5/2013	10804	92.30	268.00	8013.56
6/5/2013	10899	89.70	267.30	8011.90

EOF

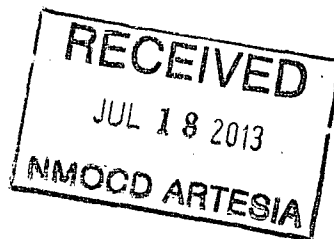


A GYRO TECHNOLOGIES INC. COMPANY

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

June 6, 2013

Concho Resources, Inc.
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701



Attn: Kanicia Castillo

RE: **Omelette State Com No. 001H**

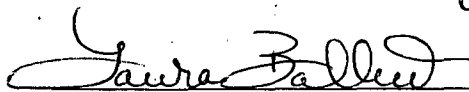
Please find enclosed a copy of the survey from 0.00' to 7394.00' ran on the above referenced well.

Sincerely,

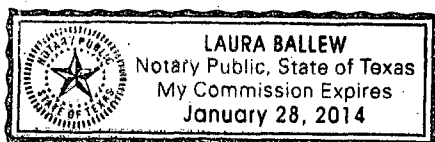

Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 6th day of June,
A.D., 2013, by Keith Havelka.



Laura Ballew
Notary Public, State of Texas





Company: COG Operating, LLC (Concho)
Lease/Well: Omelette State Com/No. 1H
Location: S7 T25s R30e
Rig Name: Silver Oak 7
State/County: New Mexico/Eddy
Latitude: 32.14, Longitude: -103.91
GRID North is 0.23 Degrees East of True North
VS-Azi: 0.00 Degrees



RKB : 18

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...tte st com #1h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 6/6/2013 / 10:39

Vaughn Energy Services

Gardendale, TX

432-563-5444

Surveyor: Dustin Wedel

Omelette State Com No. 001H / API 30-015-40741

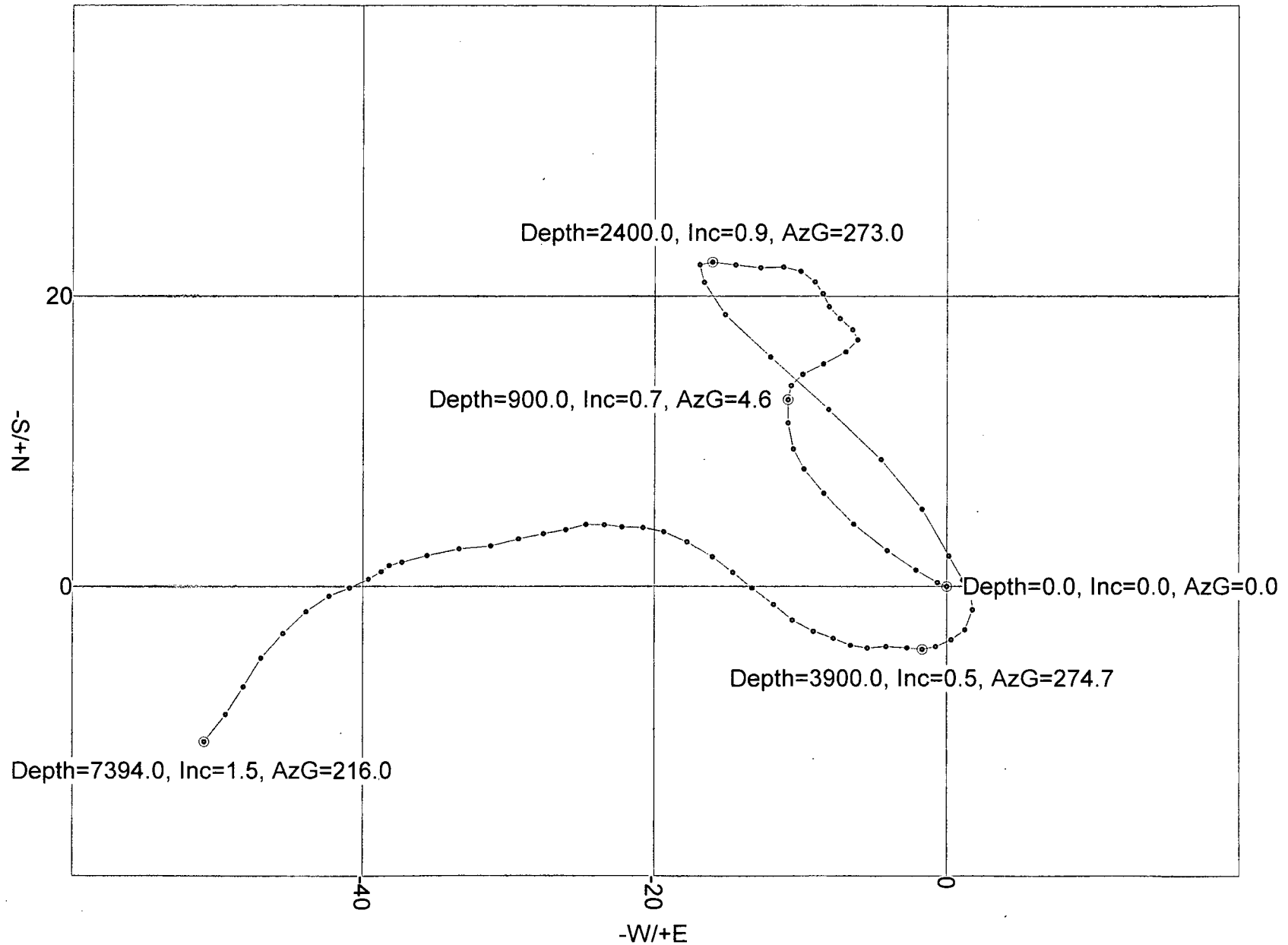
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.80	293.84	100.00	0.28	-0.64	0.70	293.84	0.80
200.00	1.14	304.66	199.98	1.13	-2.09	2.37	298.34	0.38
300.00	1.61	304.33	299.95	2.48	-4.07	4.76	301.42	0.48
400.00	1.74	311.94	399.91	4.29	-6.36	7.67	304.02	0.26
500.00	1.68	319.43	499.87	6.42	-8.44	10.61	307.26	0.23
600.00	0.79	322.86	599.84	8.09	-9.81	12.71	309.49	0.90
700.00	1.02	339.67	699.83	9.47	-10.54	14.17	311.95	0.35
800.00	1.11	357.08	799.81	11.27	-10.90	15.68	315.98	0.33
900.00	0.73	4.58	899.80	12.88	-10.89	16.87	319.77	0.40
1000.00	0.41	26.42	999.79	13.84	-10.68	17.48	322.33	0.38
1100.00	0.88	53.66	1099.79	14.62	-9.90	17.65	325.89	0.55
1200.00	0.97	71.29	1199.78	15.34	-8.48	17.53	331.07	0.30
1300.00	1.06	53.41	1299.76	16.17	-6.94	17.59	336.78	0.33
1400.00	0.33	16.59	1399.75	17.00	-6.11	18.06	340.23	0.82
1500.00	0.69	312.87	1499.75	17.68	-6.47	18.83	339.91	0.62
1600.00	0.65	311.43	1599.74	18.46	-7.33	19.87	338.35	0.04
1700.00	0.63	321.92	1699.74	19.27	-8.10	20.91	337.22	0.12
1800.00	0.55	349.55	1799.73	20.18	-8.52	21.91	337.10	0.29

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.66	305.57	1899.73	20.98	-9.08	22.86	336.61	0.46
2000.00	0.73	308.84	1999.72	21.72	-10.04	23.93	335.19	0.08
2100.00	0.79	260.77	2099.71	22.01	-11.21	24.70	333.00	0.62
2200.00	1.01	273.35	2199.70	21.95	-12.77	25.40	329.80	0.30
2300.00	0.95	280.75	2299.68	22.16	-14.47	26.46	326.85	0.14
2400.00	0.91	273.00	2399.67	22.35	-16.07	27.53	324.28	0.13
2500.00	0.28	196.18	2499.67	22.16	-16.94	27.89	322.60	0.89
2600.00	1.19	158.87	2599.66	20.95	-16.63	26.75	321.56	0.98
2700.00	1.89	139.34	2699.62	18.73	-15.18	24.11	320.97	0.86
2800.00	3.00	129.48	2799.53	15.81	-12.09	19.91	322.61	1.19
2900.00	3.16	134.94	2899.38	12.20	-8.12	14.66	326.37	0.33
3000.00	2.59	132.33	2999.26	8.73	-4.49	9.82	332.77	0.58
3100.00	2.52	148.95	3099.16	5.33	-1.69	5.59	342.39	0.74
3200.00	1.74	151.96	3199.09	2.11	0.15	2.12	4.12	0.79
3300.00	0.48	145.16	3299.07	0.43	1.10	1.19	68.49	1.27
3400.00	0.53	141.60	3399.07	-0.27	1.63	1.65	99.44	0.06
3500.00	1.12	188.25	3499.06	-1.60	1.78	2.39	131.98	0.85
3600.00	0.67	221.67	3599.04	-3.00	1.25	3.25	157.35	0.67
3700.00	0.70	245.30	3699.04	-3.69	0.31	3.70	175.20	0.28
3800.00	0.63	246.16	3799.03	-4.17	-0.75	4.23	190.21	0.07
3900.00	0.48	274.65	3899.03	-4.35	-1.67	4.67	201.02	0.31
4000.00	0.71	276.70	3999.02	-4.25	-2.71	5.04	212.55	0.23
4100.00	0.92	271.01	4099.01	-4.16	-4.13	5.86	224.80	0.22
4200.00	0.57	257.51	4199.00	-4.25	-5.42	6.89	231.86	0.39
4300.00	0.83	293.71	4298.99	-4.07	-6.57	7.73	238.22	0.50
4400.00	0.63	291.31	4398.99	-3.58	-7.75	8.54	245.23	0.20
4500.00	1.05	287.42	4498.97	-3.10	-9.14	9.65	251.27	0.42
4600.00	0.85	311.81	4598.96	-2.33	-10.57	10.83	257.58	0.45
4700.00	1.05	309.11	4698.95	-1.25	-11.84	11.91	263.96	0.21
4800.00	1.07	306.79	4798.93	-0.11	-13.31	13.31	269.52	0.05
4900.00	0.89	312.11	4898.92	0.97	-14.63	14.66	273.79	0.21
5000.00	1.14	304.43	4998.90	2.05	-16.02	16.15	277.28	0.28
5100.00	1.19	296.06	5098.88	3.06	-17.77	18.04	279.78	0.18
5200.00	0.81	290.08	5198.86	3.76	-19.37	19.73	280.99	0.39
5300.00	0.88	273.84	5298.85	4.06	-20.80	21.19	281.04	0.25
5400.00	0.77	269.75	5398.84	4.10	-22.23	22.61	280.46	0.12
5500.00	0.66	285.19	5498.84	4.25	-23.46	23.84	280.27	0.22
5600.00	0.81	260.13	5598.83	4.28	-24.71	25.08	279.83	0.35
5700.00	0.82	250.11	5698.82	3.92	-26.09	26.38	278.54	0.14

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	0.98	267.56	5798.81	3.63	-27.62	27.86	277.50	0.32
5900.00	1.01	248.97	5898.79	3.28	-29.30	29.48	276.39	0.32
6000.00	1.26	260.09	5998.77	2.78	-31.20	31.32	275.09	0.33
6100.00	1.27	269.86	6098.75	2.59	-33.38	33.48	274.43	0.22
6200.00	1.34	246.76	6198.72	2.12	-35.57	35.63	273.42	0.53
6300.00	0.71	270.34	6298.71	1.67	-37.27	37.30	272.56	0.75
6400.00	0.40	228.98	6398.70	1.44	-38.15	38.18	272.16	0.49
6500.00	0.40	233.55	6498.70	1.00	-38.69	38.71	271.49	0.03
6600.00	0.78	243.90	6598.69	0.50	-39.59	39.59	270.72	0.39
6700.00	0.92	247.72	6698.68	-0.10	-40.94	40.94	269.85	0.15
6800.00	0.87	249.38	6798.67	-0.67	-42.38	42.39	269.09	0.06
6900.00	1.35	227.72	6898.65	-1.73	-43.96	44.00	267.75	0.63
7000.00	1.18	225.13	6998.63	-3.25	-45.56	45.67	265.92	0.18
7100.00	1.45	219.02	7098.60	-4.95	-47.08	47.34	263.99	0.31
7200.00	1.25	203.29	7198.57	-6.94	-48.31	48.81	261.83	0.42
7300.00	1.40	221.10	7298.55	-8.86	-49.55	50.33	259.86	0.44
7394.00	1.54	216.05	7392.52	-10.75	-51.04	52.16	258.11	0.20



Vaughn Energy Services
Gardendale, TX
432-563-5444
Surveyor: Dustin Wedel
Omelette State Com No. 001H / API 30-015-40741



VES Survey Date: 05/31/2013



Concho Oil and Gas

Eddy County, NM

Omelette State Com

Omelette State Com #1H

OH

Design: OH

Standard Survey Report

06 June, 2013





Concho Oil and Gas
Eddy County, NM
Omelette State Com
Omelette State Com #1H
Plan #2
Silver Oak #7



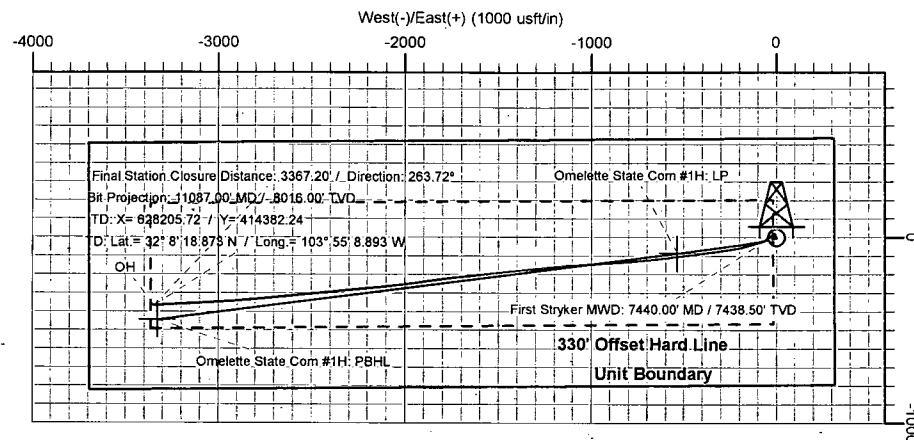
Magnetic North is 7.27° East of Grid North (Magnetic Convergence)

Hardlines:
330' FNL/ FSL & 330' FEL/FWL

RKB Elevation: 18' RKB @ 3214.00usft (Silver Oak #7)
Ground Elevation: 3196.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	414750.70	631552.70	32° 8' 22.390 N	103° 54' 29.949 W

Design Target Details					
Name	TVD	+N/-S	+E/-W	Northing	Easting
Omelette State Com #1H: PBHL	8010.00	-444.30	-3327.50	414306.40	628225.20
Omelette State Com #1H: LP	8058.49	-86.10	-534.65	414664.60	631018.05



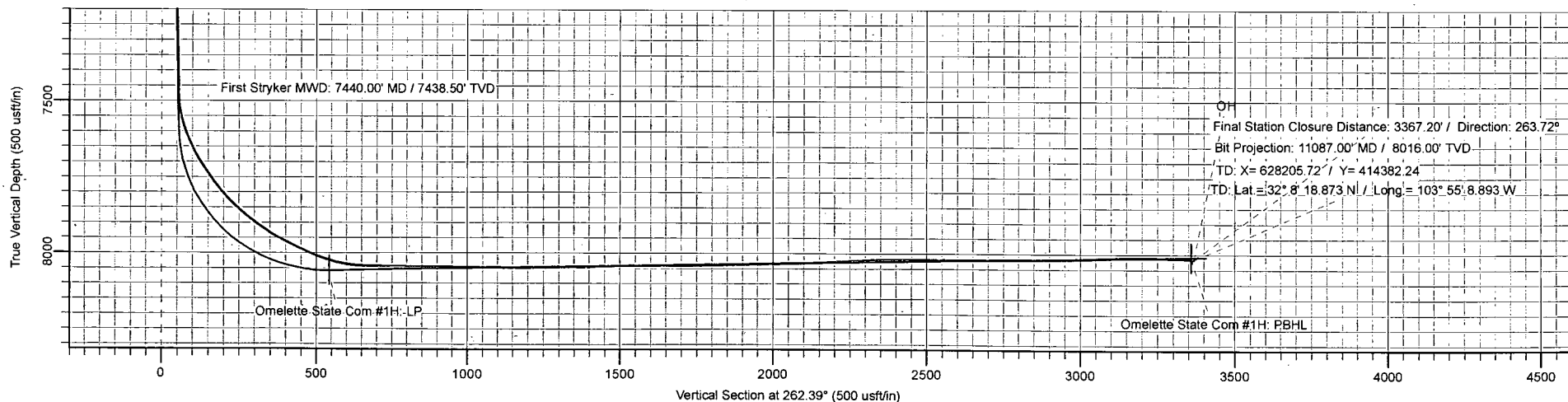
Section Details									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect	Target
1	7394.00	1.54	216.05	7392.52	-10.80	-51.05	0.00	52.03	
2	7591.56	1.54	216.05	7590.00	-15.09	-54.17	0.00	55.69	
3	8340.96	90.99	262.69	8058.49	-86.10	-534.65	12.00	541.34	
4	11157.11	90.99	262.69	8010.00	-444.30	-3327.50	0.00	3357.03	Omelette State Com #1H: PBHL

US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1866
New Mexico East 3001
Mean Sea Level



Azimuths to Grid North
True North: -0.23°
Magnetic North: 7.27°

Magnetic Field
Strength: 48334.0snT
Dip Angle: 60.00°
Date: 6/1/2013
Model: IGRF2010



Note: All lease lines and hard lines are estimates only and are subject to customers approval.

Created By: Matthew May Date: 9:25, June 06 2013



Survey Report

Company:	Concho Oil and Gas	Local Co-ordinate Reference:	Well Omelette State Com #1H
Project:	Eddy County, NM	TVD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Site:	Omelette State Com	MD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Well:	Omelette State Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Stryker

Project	Eddy 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	Omelette State Com		
Site Position:		Northing:	414,750.70 usft
From:	Map	Easting:	631,552.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32° 8' 22.390 N
		Longitude:	103° 54' 29.949 W
		Grid Convergence:	0.23 °

Well	Omelette State Com #1H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 8' 22.390 N
		Longitude:	103° 54' 29.949 W
		Ground Level:	3,196.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	6/1/2013	7.49
			Dip Angle
			(°)
			60.00
			Field Strength
			(nT)
			48,334

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			262.39

Survey Program	Date 6/6/2013		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.00	7,394.00	Survey #1 (OH)	GyroFlex
7,440.00	11,087.00	Survey #2 (OH)	MWD
			Description
			MWD - Standard

Survey			
Measured	Inclination	Azimuth	Vertical
Depth	(°)	(°)	Depth
(usft)			(usft)
			+N/-S
			(usft)
			+E/-W
			(usft)
			Vertical
			Section
			(usft)
			Dogleg
			Rate
			(°/100ft)
			Build
			Rate
			(°/100ft)
			Turn
			Rate
			(°/100ft)
0.00	0.00	0.00	0.00
100.00	0.80	293.84	100.00
200.00	1.14	304.66	199.98
300.00	1.61	304.33	299.95
400.00	1.74	311.94	399.91
500.00	1.68	319.43	499.87
600.00	0.79	322.86	599.84
700.00	1.02	339.67	699.83
800.00	1.11	357.08	799.81
900.00	0.73	4.58	899.80
			12.87
			-10.90
			9.10
			0.40
			-0.38
			7.50



Survey Report

Company:	Concho Oil and Gas	Local Co-ordinate Reference:	Well Omelette State Com #1H
Project:	Eddy County, NM	TVD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Site:	Omelette State Com	MD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Well:	Omelette State Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Stryker

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,000.00	0.41	26.42	999.79	13.83	-10.69	8.76	0.38	-0.32	21.84
1,100.00	0.88	53.66	1,099.79	14.61	-9.91	7.89	0.55	0.47	27.24
1,200.00	0.97	71.29	1,199.78	15.33	-8.49	6.38	0.30	0.09	17.63
1,300.00	1.06	53.41	1,299.76	16.16	-6.95	4.74	0.33	0.09	-17.88
1,400.00	0.33	16.59	1,399.75	16.98	-6.12	3.82	0.82	-0.73	-36.82
1,500.00	0.69	312.87	1,499.75	17.67	-6.48	4.08	0.62	0.36	-63.72
1,600.00	0.65	311.43	1,599.74	18.45	-7.35	4.84	0.04	-0.04	-1.44
1,700.00	0.63	321.92	1,699.74	19.26	-8.11	5.49	0.12	-0.02	10.49
1,800.00	0.55	349.55	1,799.73	20.17	-8.54	5.79	0.29	-0.08	27.63
1,900.00	0.66	305.57	1,899.73	20.97	-9.09	6.23	0.46	0.11	-43.98
2,000.00	0.73	308.84	1,999.72	21.71	-10.06	7.09	0.08	0.07	3.27
2,100.00	0.79	260.77	2,099.71	22.00	-11.23	8.22	0.62	0.06	-48.07
2,200.00	1.01	273.35	2,199.70	21.94	-12.79	9.78	0.29	0.22	12.58
2,300.00	0.95	280.75	2,299.68	22.14	-14.49	11.43	0.14	-0.06	7.40
2,400.00	0.91	273.00	2,399.67	22.34	-16.10	13.00	0.13	-0.04	-7.75
2,500.00	0.28	196.18	2,499.67	22.15	-16.96	13.87	0.89	-0.63	-76.82
2,600.00	1.19	158.87	2,599.66	20.94	-16.65	13.73	0.98	0.91	-37.31
2,700.00	1.89	139.34	2,699.62	18.72	-15.20	12.59	0.87	0.70	-19.53
2,800.00	3.00	129.48	2,799.53	15.81	-12.11	9.91	1.18	1.11	-9.86
2,900.00	3.16	134.94	2,899.38	12.20	-8.14	6.45	0.33	0.16	5.46
3,000.00	2.59	132.33	2,999.26	8.73	-4.52	3.32	0.58	-0.57	-2.61
3,100.00	2.52	148.95	3,099.16	5.32	-1.71	0.99	0.74	-0.07	16.62
3,200.00	1.74	151.96	3,199.09	2.10	0.14	-0.41	0.79	-0.78	3.01
3,300.00	0.48	145.16	3,299.07	0.42	1.09	-1.14	1.26	-1.26	-6.80
3,400.00	0.53	141.60	3,399.07	-0.29	1.62	-1.56	0.06	0.05	-3.56
3,500.00	1.12	188.25	3,499.06	-1.62	1.76	-1.53	0.85	0.59	46.65
3,600.00	0.67	221.67	3,599.04	-3.02	1.23	-0.82	0.67	-0.45	33.42
3,700.00	0.70	245.30	3,699.04	-3.71	0.29	0.20	0.28	0.03	23.63
3,800.00	0.63	246.16	3,799.03	-4.19	-0.77	1.32	0.07	-0.07	0.86
3,900.00	0.48	274.65	3,899.03	-4.38	-1.69	2.25	0.31	-0.15	28.49
4,000.00	0.71	276.70	3,999.02	-4.27	-2.72	3.26	0.23	0.23	2.05
4,100.00	0.92	271.01	4,099.01	-4.19	-4.14	4.66	0.22	0.21	-5.69
4,200.00	0.57	257.51	4,199.00	-4.28	-5.43	5.95	0.39	-0.35	-13.50
4,300.00	0.83	293.71	4,298.99	-4.10	-6.58	7.06	0.50	0.26	36.20
4,400.00	0.63	291.31	4,398.99	-3.61	-7.75	8.16	0.20	-0.20	-2.40
4,500.00	1.05	287.42	4,498.98	-3.13	-9.14	9.47	0.42	0.42	-3.89
4,600.00	0.85	311.81	4,598.96	-2.36	-10.56	10.78	0.45	-0.20	24.39
4,700.00	1.05	309.11	4,698.95	-1.29	-11.83	11.89	0.20	0.20	-2.70
4,800.00	1.07	306.79	4,798.93	-0.15	-13.29	13.19	0.05	0.02	-2.32
4,900.00	0.89	312.11	4,898.92	0.93	-14.61	14.36	0.20	-0.18	5.32
5,000.00	1.14	304.43	4,998.90	2.01	-16.01	15.60	0.28	0.25	-7.68
5,100.00	1.19	296.06	5,098.88	3.03	-17.76	17.20	0.18	0.05	-8.37
5,200.00	0.81	290.08	5,198.86	3.73	-19.36	18.69	0.39	-0.38	-5.98



Survey Report

Company:	Concho Oil and Gas	Local Co-ordinate Reference:	Well Omelette State Com #1H
Project:	Eddy County, NM	TVD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Site:	Omelette State Com	MD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Well:	Omelette State Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Stryker

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	0.88	273.84	5,298.85	4.02	-20.79	20.07	0.25	0.07	-16.24
5,400.00	0.77	269.75	5,398.84	4.07	-22.23	21.49	0.12	-0.11	-4.09
5,500.00	0.66	285.19	5,498.84	4.22	-23.45	22.69	0.22	-0.11	15.44
5,600.00	0.81	260.13	5,598.83	4.25	-24.71	23.93	0.35	0.15	-25.06
5,700.00	0.82	250.11	5,698.82	3.88	-26.07	25.33	0.14	0.01	-10.02
5,800.00	0.98	267.56	5,798.81	3.60	-27.60	26.88	0.32	0.16	17.45
5,900.00	1.01	248.97	5,898.79	3.25	-29.28	28.59	0.32	0.03	-18.59
6,000.00	1.26	260.09	5,998.77	2.74	-31.18	30.55	0.33	0.25	11.12
6,100.00	1.27	269.86	6,098.75	2.55	-33.38	32.74	0.22	0.01	9.77
6,200.00	1.34	246.76	6,198.72	2.09	-35.56	34.97	0.53	0.07	-23.10
6,300.00	0.71	270.34	6,298.71	1.63	-37.25	36.71	0.75	-0.63	23.58
6,400.00	0.40	228.98	6,398.70	1.41	-38.14	37.61	0.49	-0.31	-41.36
6,500.00	0.40	233.55	6,498.70	0.97	-38.68	38.21	0.03	0.00	4.57
6,600.00	0.78	243.90	6,598.69	0.46	-39.57	39.16	0.39	0.38	10.35
6,700.00	0.92	247.72	6,698.68	-0.14	-40.93	40.58	0.15	0.14	3.82
6,800.00	0.87	249.38	6,798.67	-0.71	-42.38	42.10	0.06	-0.05	1.66
6,900.00	1.35	227.72	6,898.65	-1.77	-43.96	43.81	0.63	0.48	-21.66
7,000.00	1.18	225.13	6,998.63	-3.29	-45.56	45.60	0.18	-0.17	-2.59
7,100.00	1.45	219.02	7,098.60	-5.00	-47.09	47.34	0.30	0.27	-6.11
7,200.00	1.25	203.29	7,198.57	-6.99	-48.32	48.82	0.42	-0.20	-15.73
7,300.00	1.40	221.10	7,298.55	-8.91	-49.55	50.29	0.44	0.15	17.81
7,394.00	1.54	216.05	7,392.52	-10.80	-51.05	52.03	0.20	0.15	-5.37
7,440.00	1.10	197.30	7,438.50	-11.72	-51.54	52.64	1.33	-0.96	-40.76
First Stryker MWD: 7440.00' MD / 7438.50' TVD									
7,472.00	1.50	212.10	7,470.50	-12.36	-51.86	53.04	1.62	1.25	46.25
7,504.00	5.30	241.90	7,502.43	-13.42	-53.39	54.69	12.71	11.87	93.12
7,536.00	11.10	247.60	7,534.09	-15.29	-57.54	59.06	18.28	18.12	17.81
7,567.00	16.40	246.90	7,564.20	-18.14	-64.33	66.17	17.10	17.10	-2.26
7,599.00	20.30	247.60	7,594.56	-22.03	-73.62	75.89	12.21	12.19	2.19
7,631.00	23.10	249.10	7,624.29	-26.39	-84.62	87.37	8.92	8.75	4.69
7,663.00	25.90	251.40	7,653.41	-30.86	-97.11	100.34	9.24	8.75	7.19
7,695.00	29.00	252.80	7,681.80	-35.38	-111.15	114.85	9.89	9.69	4.37
7,726.00	31.70	254.20	7,708.55	-39.82	-126.17	130.33	9.00	8.71	4.52
7,757.00	33.90	254.90	7,734.61	-44.29	-142.35	146.96	7.20	7.10	2.26
7,789.00	35.50	256.00	7,760.92	-48.87	-159.98	165.05	5.37	5.00	3.44
7,820.00	38.00	257.40	7,785.75	-53.13	-178.03	183.50	8.50	8.06	4.52
7,852.00	41.20	259.30	7,810.41	-57.23	-198.01	203.84	10.69	10.00	5.94
7,884.00	43.80	260.40	7,834.00	-61.04	-219.29	225.44	8.45	8.12	3.44
7,916.00	46.60	261.10	7,856.55	-64.68	-241.70	248.13	8.89	8.75	2.19
7,947.00	50.20	261.40	7,877.12	-68.21	-264.61	271.31	11.64	11.61	0.97
7,979.00	53.00	262.60	7,897.00	-71.69	-289.44	296.38	9.23	8.75	3.75
8,011.00	55.10	261.60	7,915.78	-75.26	-315.09	322.28	7.03	6.56	-3.12
8,043.00	57.40	261.40	7,933.56	-79.19	-341.41	348.89	7.21	7.19	-0.62



Survey Report

Company:	Concho Oil and Gas	Local Co-ordinate Reference:	Well Omelette State Com #1H
Project:	Eddy County, NM	TVD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Site:	Omelette State Com	MD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Well:	Omelette State Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Stryker

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,075.00	59.80	261.60	7,950.23	-83.22	-368.42	376.19	7.52	7.50	0.62	
8,106.00	61.60	261.80	7,965.40	-87.13	-395.17	403.23	5.83	5.81	0.65	
8,138.00	63.60	262.20	7,980.13	-91.08	-423.30	431.63	6.35	6.25	1.25	
8,170.00	66.30	263.60	7,993.68	-94.66	-452.07	460.62	9.32	8.44	4.37	
8,202.00	67.90	263.60	8,006.13	-97.94	-481.36	490.09	5.00	5.00	0.00	
8,234.00	70.20	262.70	8,017.57	-101.51	-511.03	519.97	7.65	7.19	-2.81	
8,265.00	74.60	262.00	8,026.94	-105.44	-540.31	549.51	14.36	14.19	-2.26	
Omelette State Com #1H: LP										
8,290.00	77.60	262.00	8,032.95	-108.82	-564.33	573.77	12.00	12.00	0.00	
8,328.00	82.70	261.80	8,039.44	-114.10	-601.39	611.20	13.43	13.42	-0.53	
8,360.00	86.90	263.60	8,042.34	-118.14	-632.99	643.06	14.27	13.12	5.62	
8,392.00	87.90	264.30	8,043.80	-121.51	-664.78	675.02	3.81	3.12	2.19	
8,423.00	88.50	264.60	8,044.77	-124.51	-695.62	705.98	2.16	1.94	0.97	
8,519.00	90.00	265.80	8,046.03	-132.54	-791.27	801.85	2.00	1.56	1.25	
8,614.00	89.30	265.70	8,046.61	-139.58	-886.00	896.69	0.74	-0.74	-0.11	
8,709.00	89.40	266.00	8,047.68	-146.45	-980.75	991.51	0.33	0.11	0.32	
8,805.00	89.10	266.20	8,048.94	-152.98	-1,076.52	1,087.30	0.38	-0.31	0.21	
8,900.00	90.10	265.00	8,049.60	-160.27	-1,171.23	1,182.14	1.64	1.05	-1.26	
8,996.00	91.10	263.20	8,048.60	-170.14	-1,266.71	1,278.09	2.14	1.04	-1.87	
9,090.00	92.10	264.40	8,045.97	-180.29	-1,360.13	1,372.02	1.66	1.06	1.28	
9,186.00	90.20	263.90	8,044.05	-190.07	-1,455.60	1,467.95	2.05	-1.98	-0.52	
9,281.00	90.00	264.40	8,043.88	-199.75	-1,550.11	1,562.91	0.57	-0.21	0.53	
9,377.00	90.00	263.60	8,043.88	-209.79	-1,645.58	1,658.87	0.83	0.00	-0.83	
9,471.00	92.40	263.90	8,041.91	-220.02	-1,738.99	1,752.81	2.57	2.55	0.32	
9,567.00	91.20	262.00	8,038.90	-231.79	-1,834.21	1,848.76	2.34	-1.25	-1.98	
9,662.00	90.60	261.80	8,037.41	-245.18	-1,928.25	1,943.74	0.67	-0.63	-0.21	
9,757.00	91.20	263.40	8,035.91	-257.41	-2,022.45	2,038.72	1.80	0.63	1.68	
9,853.00	93.80	265.10	8,031.73	-267.02	-2,117.86	2,134.57	3.23	2.71	1.77	
9,948.00	92.70	263.90	8,026.34	-276.11	-2,212.27	2,229.35	1.71	-1.16	-1.26	
10,043.00	91.40	264.10	8,022.94	-286.03	-2,306.69	2,324.25	1.38	-1.37	0.21	
10,138.00	90.60	264.10	8,021.28	-295.80	-2,401.17	2,419.19	0.84	-0.84	0.00	
10,233.00	89.20	264.40	8,021.45	-305.32	-2,495.69	2,514.14	1.51	-1.47	0.32	
10,329.00	90.70	265.30	8,021.53	-313.93	-2,591.30	2,610.05	1.82	1.56	0.94	
10,424.00	90.80	264.60	8,020.29	-322.29	-2,685.92	2,704.94	0.74	0.11	-0.74	
10,519.00	89.30	264.60	8,020.21	-331.23	-2,780.49	2,799.87	1.58	-1.58	0.00	
10,613.00	91.20	264.60	8,019.80	-340.08	-2,874.07	2,893.80	2.02	2.02	0.00	
10,709.00	92.00	265.80	8,017.12	-348.11	-2,969.70	2,989.64	1.50	0.83	1.25	
10,804.00	92.30	268.00	8,013.55	-353.24	-3,064.48	3,084.27	2.34	0.32	2.32	
10,899.00	89.70	267.30	8,011.89	-357.14	-3,159.38	3,178.85	2.83	-2.74	-0.74	
10,994.00	88.70	266.40	8,013.22	-362.36	-3,254.23	3,273.55	1.42	-1.05	-0.95	
11,026.00	88.20	266.20	8,014.09	-364.42	-3,286.15	3,305.46	1.68	-1.56	-0.62	
11,072.40	88.20	266.20	8,015.54	-367.50	-3,332.43	3,351.74	0.00	0.00	0.00	
Omelette State Com #1H: PBHL										
11,087.00	88.20	266.20	8,016.00	-368.46	-3,346.98	3,366.30	0.00	0.00	0.00	



Survey Report

Company:	Concho Oil and Gas	Local Co-ordinate Reference:	Well Omelette State Com #1H
Project:	Eddy County, NM	TVD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Site:	Omelette State Com	MD Reference:	18' RKB @ 3214.00usft (Silver Oak #7)
Well:	Omelette State Com #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Stryker

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Bit Projection: 11087.00' MD / 8016.00' TVD - TD: X= 628205.72 / Y= 414382.24 - Final Station Closure Distance: 3367.20' / Direction: 263									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,440.00	7,438.50	-11.72	-51.54	First Stryker MWD: 7440.00' MD / 7438.50' TVD
11,087.00	8,016.00	-368.46	-3,346.98	Bit Projection: 11087.00' MD / 8016.00' TVD
11,087.00	8,016.00	-368.46	-3,346.98	TD: X= 628205.72 / Y= 414382.24
11,087.00	8,016.00	-368.46	-3,346.98	Final Station Closure Distance: 3367.20' / Direction: 263.72°
11,087.00	8,016.00	-368.46	-3,346.98	TD: Lat.=32° 8' 18.873 N / Long.= 103° 55' 8.893 W

Checked By: _____	Approved By: _____	Date: _____
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Concho Oil and Gas
Eddy County, NM
Omelette State Com
Omelette State Com #1H
Plan #2
Silver Oak #7



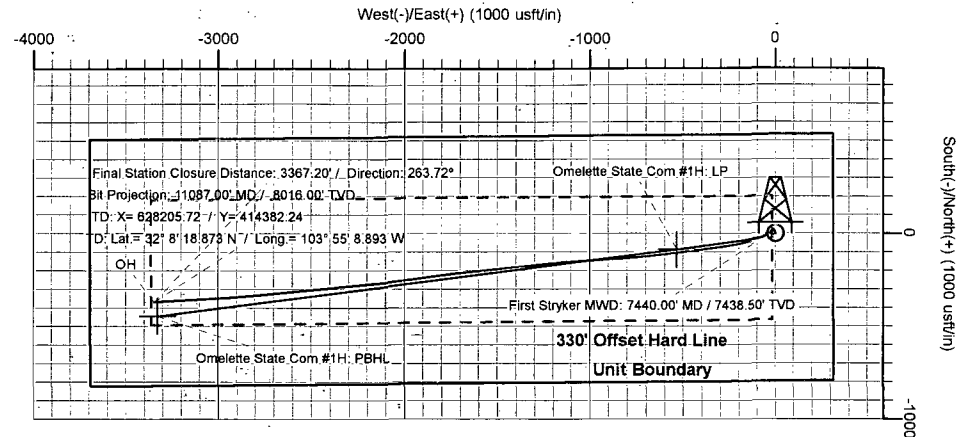
Magnetic North is 7.27° East of Grid North (Magnetic Convergence)

Hardlines:
330'FNL/ FSL & 330' FEL/FWL

RKB Elevation: 18' RKB @ 3214.00usft (Silver Oak #7)
Ground Elevation: 3196.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	414750.70	631552.70	32° 8' 22.390 N	103° 54' 29.949 W

Design Target Details					
Name	TVD	+N/-S	+E/-W	Northing	Easting
Omelette State Com #1H: PBHL	8010.00	-444.30	-3327.50	414306.40	628225.20
Omelette State Com #1H: LP	8058.49	-86.10	-534.65	414664.60	631018.05



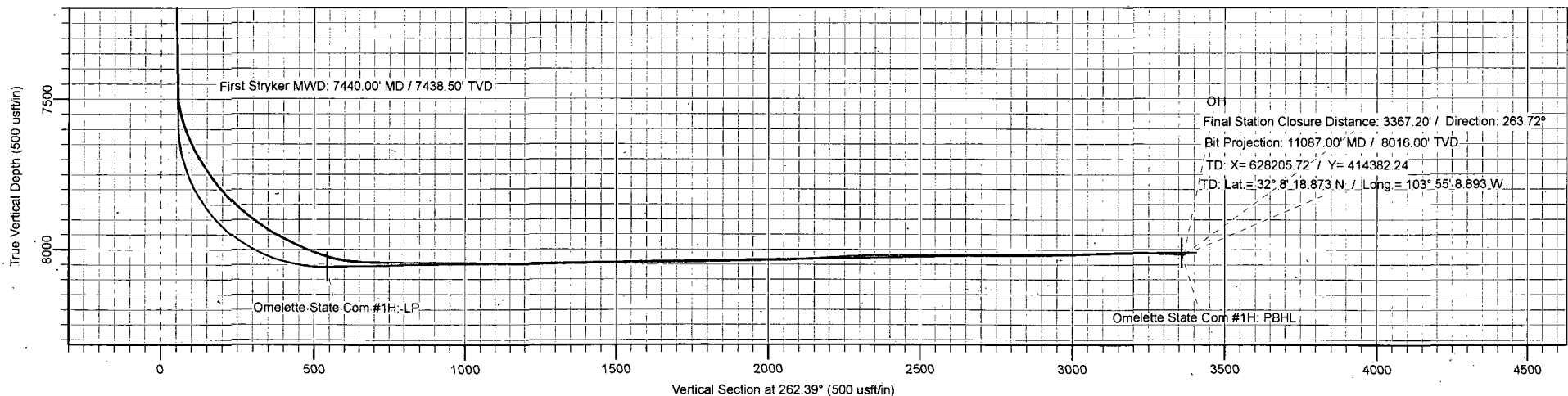
Section Details									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec	Target
1	7394.00	1.54	216.05	7392.52	-10.80	-51.05	0.00	52.03	
2	7591.56	1.54	216.05	7590.00	-15.09	-54.17	0.00	55.69	
3	8340.96	90.99	262.69	8058.49	-86.10	-534.65	12.00	541.34	
4	11157.11	90.99	262.69	8010.00	-444.30	-3327.50	0.00	3357.03	Omelette State Com #1H: PBHL

US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1866
New Mexico East 3001
Mean Sea Level



Azimuths to Grid North
True North: -0.23°
Magnetic North: 7.27°

Magnetic Field
Strength: 48334.05nT
Dip Angle: 60.00°
Date: 6/1/2013
Model: IGRF2010



Note: All lease lines and hard lines are estimates only and are subject to customers approval.

Created By: Matthew May Date: 9:25, June 06 2013