

COG Production LLC

Lea County, NM (NAD27 NME)

Monet Federal

#8H

OH

Survey: MWD

Survey Report - Geographic

24 February, 2016

Survey Report - Geographic

Company:	COG Production LLC	Local Co-ordinate Reference:	Well #8H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	WELL @ 3487.6usft (Original Well Elev)
Site:	Monet Federal	MD Reference:	WELL @ 3487.6usft (Original Well Elev)
Well:	#8H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 1 Single User Db

Project	Lea County, NM (NAD27 NME)		
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		Monet Federal			
Site Position:		Northing:	425,010.10 usft	Latitude:	32° 9' 58.383 N
From:	Map	Easting:	733,599.80 usft	Longitude:	103° 34' 42.302 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	#8H					
Well Position	+N-S	0.0 usft	Northing:	425,010.10 usft	Latitude:	32° 9' 58.383 N
	+E-W	0.0 usft	Easting:	733,599.80 usft	Longitude:	103° 34' 42.302 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,481.6 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2015	2/5/2016	7.10	60.03	48,043

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	177.98	

Survey Program	Date 2/24/2016				
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
100.0	8,800.0	MWD #1 (OH)	VESSI_GYROFLEX	VESSI Gyroflex Gyro	
8,849.0	13,914.0	MWD (OH)	MWD	MWD - Standard	

Survey										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Map	Map	Latitude	Longitude	
Depth	(°)	(°)	Depth	(usft)	(usft)	Northing	Easting			
(usft)			(usft)			(usft)	(usft)			
8,800.0	0.82	138.30	8,799.0	12.4	35.7	425,022.45	733,635.52	32° 9' 58.502 N	103° 34' 41.885 W	
8,849.0	0.50	170.50	8,848.0	11.9	36.0	425,021.98	733,635.79	32° 9' 58.498 N	103° 34' 41.882 W	
8,880.0	3.50	174.90	8,879.0	10.8	38.1	425,020.90	733,635.90	32° 9' 58.487 N	103° 34' 41.881 W	
8,943.0	15.20	177.80	8,941.0	0.6	36.6	425,010.70	733,636.39	32° 9' 58.386 N	103° 34' 41.876 W	
8,975.0	20.70	177.20	8,971.5	-9.2	37.0	425,000.85	733,636.83	32° 9' 58.288 N	103° 34' 41.872 W	
9,008.0	23.10	175.10	9,000.2	-20.8	37.8	424,989.32	733,637.61	32° 9' 58.174 N	103° 34' 41.864 W	
9,038.0	28.60	173.40	9,029.3	-34.2	39.2	424,975.94	733,638.97	32° 9' 58.042 N	103° 34' 41.849 W	
9,085.0	30.30	171.20	9,070.8	-56.3	42.2	424,953.76	733,642.00	32° 9' 57.822 N	103° 34' 41.816 W	
9,132.0	34.20	173.10	9,110.3	-81.2	45.8	424,928.92	733,645.40	32° 9' 57.576 N	103° 34' 41.778 W	
9,179.0	39.00	176.00	9,148.1	-109.1	48.2	424,901.04	733,648.02	32° 9' 57.300 N	103° 34' 41.750 W	
9,227.0	44.30	174.10	9,183.9	-140.8	51.0	424,869.27	733,650.80	32° 9' 56.985 N	103° 34' 41.720 W	

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Site:	Monet Federal	MD Reference:	WELL @ 3487.6usft (Original Well Elev)
Well:	#8H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,274.0	47.70	172.90	9,216.6	-174.4	54.8	424,835.89	733,654.64	32° 9' 56.653 N	103° 34' 41.678 W
9,322.0	51.20	171.30	9,247.8	-210.5	59.9	424,799.57	733,659.66	32° 9' 56.295 N	103° 34' 41.823 W
9,369.0	56.00	169.10	9,275.6	-247.6	68.3	424,762.31	733,666.12	32° 9' 55.926 N	103° 34' 41.551 W
9,417.0	60.20	168.70	9,301.0	-287.6	74.2	424,722.34	733,673.97	32° 9' 55.530 N	103° 34' 41.463 W
9,464.0	64.40	168.50	9,322.8	-328.5	82.4	424,681.55	733,682.19	32° 9' 55.126 N	103° 34' 41.370 W
9,512.0	69.60	167.90	9,341.6	-371.6	91.4	424,638.32	733,691.23	32° 9' 54.697 N	103° 34' 41.289 W
9,559.0	72.80	169.50	9,358.7	-415.4	100.1	424,594.69	733,699.94	32° 9' 54.265 N	103° 34' 41.171 W
9,606.0	77.40	171.90	9,388.8	-460.2	107.5	424,549.89	733,707.27	32° 9' 53.821 N	103° 34' 41.089 W
9,727.0	87.30	178.70	9,394.9	-579.4	119.3	424,430.73	733,719.10	32° 9' 52.641 N	103° 34' 40.961 W
9,822.0	88.50	175.40	9,388.4	-674.1	125.8	424,336.03	733,725.64	32° 9' 51.703 N	103° 34' 40.893 W
9,917.0	89.00	177.30	9,390.5	-768.9	131.9	424,241.25	733,731.69	32° 9' 50.765 N	103° 34' 40.830 W
10,012.0	89.30	175.70	9,391.9	-863.7	137.7	424,146.44	733,737.49	32° 9' 49.827 N	103° 34' 40.771 W
10,106.0	90.00	178.30	9,392.5	-957.5	142.6	424,052.58	733,742.40	32° 9' 48.897 N	103° 34' 40.721 W
10,202.0	90.20	179.10	9,392.3	-1,053.5	144.8	423,956.80	733,744.58	32° 9' 47.947 N	103° 34' 40.704 W
10,297.0	90.50	179.50	9,391.7	-1,148.5	145.9	423,861.61	733,745.74	32° 9' 47.007 N	103° 34' 40.698 W
10,391.0	91.00	178.70	9,390.5	-1,242.5	147.4	423,767.63	733,747.22	32° 9' 46.077 N	103° 34' 40.688 W
10,486.0	91.40	179.60	9,388.5	-1,337.4	148.8	423,672.66	733,748.63	32° 9' 45.137 N	103° 34' 40.680 W
10,580.0	89.60	179.10	9,387.7	-1,431.4	149.9	423,578.68	733,749.89	32° 9' 44.207 N	103° 34' 40.675 W
10,675.0	90.00	177.90	9,388.0	-1,526.4	152.4	423,483.71	733,752.18	32° 9' 43.267 N	103° 34' 40.654 W
10,770.0	87.60	179.60	9,390.0	-1,621.3	154.5	423,388.77	733,754.25	32° 9' 42.328 N	103° 34' 40.637 W
10,864.0	87.80	177.90	9,393.8	-1,715.2	156.5	423,294.87	733,756.30	32° 9' 41.398 N	103° 34' 40.621 W
10,959.0	87.70	180.20	9,397.5	-1,810.1	158.1	423,199.96	733,757.88	32° 9' 40.459 N	103° 34' 40.611 W
11,054.0	88.30	180.40	9,400.8	-1,905.1	157.6	423,105.02	733,757.38	32° 9' 39.520 N	103° 34' 40.624 W
11,149.0	88.50	179.10	9,403.5	-2,000.0	158.0	423,010.06	733,757.79	32° 9' 38.580 N	103° 34' 40.627 W
11,244.0	88.50	178.90	9,405.9	-2,095.0	159.7	422,915.11	733,759.45	32° 9' 37.640 N	103° 34' 40.618 W
11,339.0	88.90	181.80	9,408.1	-2,190.0	159.2	422,820.14	733,759.04	32° 9' 36.701 N	103° 34' 40.628 W
11,434.0	89.70	182.30	9,409.3	-2,284.9	158.0	422,725.21	733,755.80	32° 9' 35.761 N	103° 34' 40.674 W
11,529.0	90.00	182.80	9,409.5	-2,379.8	151.8	422,630.30	733,751.58	32° 9' 34.822 N	103° 34' 40.730 W
11,623.0	91.70	181.00	9,408.1	-2,473.7	148.7	422,536.37	733,748.46	32° 9' 33.893 N	103° 34' 40.774 W
11,718.0	91.80	180.40	9,405.2	-2,568.7	147.5	422,441.42	733,747.30	32° 9' 32.954 N	103° 34' 40.796 W
11,812.0	91.00	178.60	9,402.9	-2,662.6	148.3	422,347.46	733,748.12	32° 9' 32.024 N	103° 34' 40.794 W
11,907.0	90.50	179.10	9,401.7	-2,757.6	150.2	422,252.49	733,750.03	32° 9' 31.084 N	103° 34' 40.779 W
12,001.0	88.50	179.30	9,402.5	-2,851.6	151.5	422,158.50	733,751.34	32° 9' 30.154 N	103° 34' 40.772 W
12,096.0	89.00	179.30	9,404.6	-2,946.6	152.7	422,063.53	733,752.50	32° 9' 29.214 N	103° 34' 40.766 W
12,190.0	89.10	177.60	9,408.1	-3,040.5	155.2	421,969.58	733,755.04	32° 9' 28.284 N	103° 34' 40.744 W
12,284.0	89.60	178.40	9,407.2	-3,134.5	158.5	421,875.65	733,758.32	32° 9' 27.354 N	103° 34' 40.714 W
12,379.0	90.00	179.60	9,407.5	-3,229.4	160.2	421,780.67	733,759.98	32° 9' 26.414 N	103° 34' 40.702 W
12,474.0	90.20	180.20	9,407.4	-3,324.4	160.4	421,685.67	733,760.15	32° 9' 25.474 N	103° 34' 40.708 W
12,568.0	91.60	179.10	9,405.9	-3,418.4	160.9	421,591.88	733,760.72	32° 9' 24.544 N	103° 34' 40.709 W
12,663.0	90.00	179.10	9,404.6	-3,513.4	162.4	421,496.71	733,762.21	32° 9' 23.604 N	103° 34' 40.699 W
12,758.0	90.50	178.50	9,404.1	-3,608.4	164.4	421,401.73	733,764.20	32° 9' 22.664 N	103° 34' 40.684 W
12,852.0	90.80	179.40	9,403.1	-3,702.3	166.1	421,307.75	733,765.92	32° 9' 21.734 N	103° 34' 40.672 W
12,947.0	91.50	179.70	9,401.2	-3,797.3	166.6	421,212.78	733,766.67	32° 9' 20.794 N	103° 34' 40.671 W
13,041.0	89.70	178.70	9,400.2	-3,891.3	168.2	421,118.80	733,767.98	32° 9' 19.864 N	103° 34' 40.663 W
13,136.0	87.60	178.80	9,402.4	-3,986.2	170.3	421,023.85	733,770.06	32° 9' 18.924 N	103° 34' 40.647 W
13,231.0	89.30	177.40	9,405.0	-4,081.2	173.4	420,928.94	733,773.20	32° 9' 17.985 N	103° 34' 40.618 W
13,325.0	90.10	178.30	9,405.5	-4,175.1	176.9	420,835.01	733,776.73	32° 9' 17.055 N	103° 34' 40.584 W
13,420.0	88.20	178.10	9,406.9	-4,270.0	179.9	420,740.07	733,779.71	32° 9' 16.115 N	103° 34' 40.557 W
13,515.0	88.50	179.60	9,409.6	-4,365.0	181.8	420,645.14	733,781.62	32° 9' 15.176 N	103° 34' 40.543 W
13,610.0	88.50	178.30	9,412.1	-4,459.9	183.6	420,550.19	733,783.36	32° 9' 14.236 N	103° 34' 40.531 W
13,705.0	88.80	178.50	9,414.4	-4,554.9	186.2	420,455.25	733,785.01	32° 9' 13.297 N	103° 34' 40.507 W
13,799.0	89.50	179.50	9,415.7	-4,648.8	187.9	420,361.28	733,787.65	32° 9' 12.366 N	103° 34' 40.496 W
13,857.0	90.00	180.90	9,416.0	-4,706.8	187.7	420,303.28	733,787.45	32° 9' 11.793 N	103° 34' 40.503 W
13,914.0	90.00	180.90	9,416.0	-4,763.8	186.8	420,246.31	733,788.55	32° 9' 11.229 N	103° 34' 40.518 W

PBHL(MON#8H)



Company: Concho
Lease/Well: Monet Federal No/008H

Rig Name: Scan Freedom
State/County: New Mexico/Lea
VS-Azi: 0.00 Degrees
Latitude: 32.16621, Longitude: -103.57841
Grid North = True North -0.40 degs (NAD 27)
Grid Correction Applied = -0.40 degs



Depth Reference : RKB = 27 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 2/18/2016 / 13:15
VES Survey International
Midland, TX
432-563-5444
Surveyor: Andrew Askew
Monet Federal No 008H / API 30-025-42765

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	0.91	71.22	100.00	0.26	0.76	0.26	0.80	71.22	0.91
200.00	1.06	71.57	199.98	0.81	2.39	0.81	2.52	71.35	0.15
300.00	0.77	74.65	299.97	1.28	3.92	1.28	4.12	71.94	0.30
400.00	0.88	74.79	399.96	1.66	5.30	1.66	5.56	72.66	0.11
500.00	0.84	78.45	499.95	2.03	6.75	2.03	7.05	73.28	0.05
600.00	0.82	79.94	599.94	2.32	8.16	2.32	8.48	74.11	0.05
700.00	0.61	79.80	699.93	2.54	9.39	2.54	9.72	74.85	0.21
800.00	0.53	56.49	799.92	2.89	10.30	2.89	10.69	74.32	0.24
900.00	0.32	42.05	899.92	3.35	10.87	3.35	11.38	72.85	0.23
1000.00	0.46	18.09	999.92	3.94	11.18	3.94	11.86	70.58	0.21
1100.00	0.58	6.95	1099.91	4.82	11.37	4.82	12.34	67.03	0.16
1200.00	0.59	12.53	1199.91	5.82	11.54	5.82	12.92	63.24	0.06
1300.00	0.57	6.24	1299.90	6.81	11.70	6.81	13.54	59.79	0.07
1400.00	0.51	21.55	1399.90	7.73	11.92	7.73	14.21	57.06	0.15
1500.00	0.53	32.72	1499.90	8.53	12.34	8.53	15.00	55.34	0.10
1600.00	0.37	52.24	1599.89	9.12	12.84	9.12	15.75	54.63	0.22

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
1700.00	0.20	85.87	1699.89	9.33	13.28	9.33	16.23	54.91	0.23
1800.00	0.17	75.23	1799.89	9.38	13.60	9.38	16.52	55.40	0.05
1900.00	0.45	64.65	1899.89	9.58	14.09	9.58	17.04	55.78	0.28
2000.00	0.53	27.11	1999.89	10.16	14.66	10.16	17.83	55.26	0.32
2100.00	0.62	24.14	2099.88	11.07	15.09	11.07	18.72	53.73	0.10
2200.00	0.53	6.25	2199.88	12.03	15.36	12.03	19.51	51.93	0.20
2300.00	0.65	359.59	2299.87	13.06	15.41	13.06	20.20	49.71	0.14
2400.00	0.67	5.34	2399.86	14.21	15.46	14.21	21.00	47.41	0.07
2500.00	0.78	2.79	2499.86	15.47	15.55	15.47	21.93	45.14	0.12
2600.00	0.83	360.15	2599.85	16.87	15.46	16.87	22.88	42.50	0.18
2700.00	0.84	351.04	2699.84	18.30	15.22	18.30	23.80	39.75	0.01
2800.00	0.73	342.98	2799.83	19.63	14.92	19.63	24.65	37.24	0.15
2900.00	0.85	349.70	2899.82	20.96	14.60	20.96	25.55	34.86	0.15
3000.00	1.08	339.51	2999.80	22.57	14.14	22.57	26.64	32.06	0.29
3100.00	1.23	333.27	3099.78	24.42	13.33	24.42	27.82	28.62	0.19
3200.00	1.28	332.17	3199.76	26.37	12.32	26.37	29.10	25.05	0.06
3300.00	1.28	332.10	3299.73	28.34	11.28	28.34	30.50	21.69	0.01
3400.00	1.06	334.25	3399.71	30.16	10.35	30.16	31.89	18.95	0.23
3500.00	1.24	327.08	3499.69	31.90	9.36	31.90	33.24	16.36	0.23
3600.00	0.91	342.36	3599.67	33.57	8.53	33.57	34.64	14.26	0.43
3700.00	1.24	335.06	3699.66	35.31	7.84	35.31	36.17	12.51	0.35
3800.00	1.41	359.73	3799.63	37.52	7.37	37.52	38.24	11.12	0.59
3900.00	1.50	359.39	3899.60	40.06	7.35	40.06	40.73	10.40	0.09
4000.00	1.52	16.38	3999.56	42.64	7.71	42.64	43.33	10.25	0.45
4100.00	1.38	16.39	4099.53	45.06	8.43	45.06	45.84	10.59	0.14
4200.00	1.38	3.87	4199.50	47.42	8.85	47.42	48.24	10.57	0.30
4300.00	1.07	10.20	4299.48	49.54	9.09	49.54	50.37	10.40	0.33
4400.00	0.97	63.96	4399.47	50.83	10.02	50.83	51.81	11.15	0.93
4500.00	1.57	92.25	4499.44	51.15	12.15	51.15	52.57	13.36	0.86
4600.00	1.10	119.10	4599.42	50.63	14.37	50.63	52.63	15.84	0.77
4700.00	1.47	123.34	4699.39	49.46	16.28	49.46	52.07	18.22	0.37
4800.00	2.15	126.45	4799.34	47.64	18.86	47.64	51.24	21.60	0.69
4900.00	1.44	125.95	4899.29	45.79	21.38	45.79	50.53	25.03	0.71
5000.00	1.00	114.03	4999.27	44.69	23.20	44.69	50.36	27.43	0.50
5100.00	0.91	128.57	5099.25	43.84	24.62	43.84	50.28	29.32	0.26
5200.00	0.36	174.74	5199.25	43.04	25.27	43.04	49.91	30.41	0.71
5300.00	0.63	154.59	5299.24	42.24	25.53	42.24	49.35	31.15	0.32
5400.00	0.54	163.92	5399.24	41.29	25.89	41.29	48.74	32.09	0.13
5500.00	0.55	137.16	5499.24	40.48	26.35	40.48	48.31	33.06	0.25

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
5600.00	0.63	135.87	5599.23	39.74	27.06	39.74	48.08	34.26	0.08
5700.00	0.60	105.92	5699.22	39.20	27.95	39.20	48.14	35.49	0.32
5800.00	0.66	114.64	5799.22	38.82	28.98	38.82	48.44	36.74	0.12
5900.00	0.52	105.92	5899.21	38.45	29.94	38.45	48.73	37.91	0.17
6000.00	0.62	116.77	5999.21	38.08	30.86	38.08	49.01	39.01	0.15
6100.00	0.53	110.22	6099.20	37.68	31.77	37.68	49.29	40.14	0.11
6200.00	0.38	140.74	6199.20	37.26	32.42	37.26	49.39	41.02	0.28
6300.00	0.60	166.96	6299.20	36.49	32.75	36.49	49.03	41.90	0.31
6400.00	0.70	164.48	6399.19	35.39	33.03	35.39	48.41	43.03	0.10
6500.00	0.56	168.27	6499.18	34.32	33.29	34.32	47.82	44.13	0.15
6600.00	0.71	168.66	6599.18	33.24	33.51	33.24	47.20	45.23	0.15
6700.00	0.64	176.72	6699.17	32.08	33.66	32.08	46.50	46.38	0.12
6800.00	0.64	196.72	6799.16	30.99	33.54	30.99	45.67	47.26	0.22
6900.00	0.59	212.73	6899.16	30.03	33.10	30.03	44.69	47.78	0.18
7000.00	0.74	220.73	6999.15	29.10	32.40	29.10	43.55	48.07	0.17
7100.00	0.84	214.25	7099.14	28.01	31.57	28.01	42.20	48.41	0.14
7200.00	0.86	224.77	7199.13	26.87	30.63	26.87	40.75	48.73	0.16
7300.00	0.51	191.19	7299.12	25.91	30.01	25.91	39.65	49.20	0.51
7400.00	0.94	208.79	7399.12	24.75	29.53	24.75	38.53	50.04	0.48
7500.00	0.84	212.31	7499.10	23.41	28.75	23.41	37.08	50.84	0.12
7600.00	0.36	229.55	7599.10	22.59	28.12	22.59	36.07	51.22	0.50
7700.00	0.75	198.21	7699.09	21.77	27.67	21.77	35.21	51.81	0.48
7800.00	0.47	177.91	7799.09	20.74	27.48	20.74	34.43	52.96	0.35
7900.00	0.59	156.25	7899.08	19.85	27.71	19.85	34.08	54.38	0.23
8000.00	0.44	135.15	7999.08	19.11	28.18	19.11	34.05	55.87	0.24
8100.00	0.63	106.72	8099.08	18.88	28.98	18.88	34.48	57.20	0.32
8200.00	0.68	144.64	8199.07	18.04	29.85	18.04	34.88	58.86	0.43
8300.00	0.57	119.94	8299.06	17.31	30.63	17.31	35.18	60.53	0.29
8400.00	0.82	121.62	8399.06	16.68	31.67	16.68	35.79	62.22	0.25
8500.00	0.93	135.76	8499.05	15.73	32.84	15.73	36.41	64.41	0.24
8600.00	0.71	129.54	8599.04	14.75	33.88	14.75	36.96	66.47	0.23
8700.00	0.98	147.99	8699.02	13.63	34.82	13.63	37.39	68.62	0.38
8800.00	0.82	138.30	8799.01	12.37	35.75	12.37	37.83	70.92	0.22



I Andy Askew certify that I am employed by VES Survey International. That I did on the day(s) of 02/15/16 through 02/15/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 8,800.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Concho for the Monet Federal Well # 8H API # 30-025-42765 in Lea County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by VES Survey International.

A handwritten signature in dark ink, appearing to read "Andy Askew", is written over a horizontal line.

Andy Askew
Service Technician
VES Survey International

Monet Federal #8H

30-025-42765

Sec 4-T25S-R33E

	<u>Perfs</u>		<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13815	13764	13712	1470	299600	266322
13636	13598	13559	6006	300917	335874
13509	13454	13405	3024	300000	276906
13354	13302	13251	3024	306316	278208
13200	13148	13098	3024	297708	276612
13043	12995	12943	3024	301069	281610
12892	12841	12789	3024	299945	281526
12738	12687	12636	3024	300652	280182
12580	12533	12482	3024	300517	274974
12431	12379	12328	3024	301017	283794
12277	12225	12175	3024	299705	276822
12118	12072	12020	3024	300690	274596
11969	11918	11866	3024	300578	310590
11815	11764	11715	3024	301931	287238
11659	11606	11559	3024	299336	283836
11508	11456	11405	3024	298874	290136
11356	11300	11251	2982	300256	322476
11200	11149	11097	3024	301484	297906
11046	10995	10943	3024	304864	278502
10895	10839	10790	3024	302563	276276
10738	10687	10636	3024	301219	274848
10585	10533	10482	2982	299523	271824
10435	10378	10328	3024	300730	274302
10277	10226	10174	3024	300511	272916
10123	10072	10021	3024	304760	273420
9965	9918	9867	3024	301772	278796
9815	9764	9713	3024	301845	275688
9662	9610	9559	3024	297077	275310
	Totals		86016	8425459	7931490



February 18, 2016

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

Attn: Kanicia Castillo

RE: **Monet Federal No 008H**

Please find enclosed a copy of the survey from 0' to 8800' ran on the above referenced well.

Sincerely,

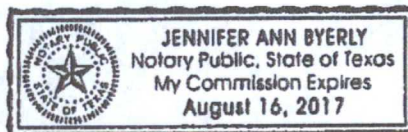
Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 18th day of February, A.D., 2016, by Keith Havelka.


Jennifer Ann Byerly
Notary Public, State of Texas

VES Survey International
P.O. Box 261021, Corpus Christi, Texas 78426
T (361) 767-0602 F (361) 767-0612
www.vessurvey.com





VES Survey International
Midland, TX
432-563-5444
Surveyor: Andrew Askew
Monet Federal No 008H / API 30-025-42765

