



July 6, 2017

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

Attn: Kanicia Castillo

RE: **Burch Keely Unit No. 964H** - 30-015 - 44149

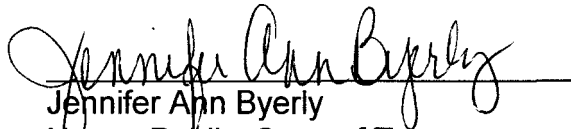
Please find enclosed a copy of the survey from 0' to 1040' ran on the above referenced well.

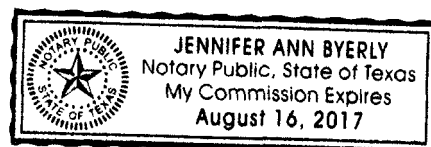
Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 6th day of July,
A.D., 2017, by Keith Havelka.


Jennifer Ann Byerly
Notary Public, State of Texas





Company: Concho Oil & Gas
Lease/Well: Burch Keely Unit No.964H

Rig Name: Silveroak 3
County: Eddy
VS-Azi: 0.000 Degrees
Latitude: 32.82304, Longitude: -104.01985
Grid North = True North -0.17 degs (NAD 27)
Grid Correction Applied = -0.17 degs

Depth Reference : RKB = 18 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: hgyrosurvey.ut
Minimum Curvature Method
Report Date/Time: 7/6/2017 / 16:32

VES Survey International
Henderson, CO.
Surveyor: Justin Williams
303-853-4976

Burch Keely Unit No. 964H / API 30-015-44149

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
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	****
100.000	0.198	63.875	100.000	0.076	0.155	0.076	0.173	63.875	0.198
200.000	0.117	116.040	199.999	0.108	0.402	0.108	0.416	75.015	0.157
300.000	0.452	142.107	299.998	-0.248	0.736	-0.248	0.776	108.652	0.351
400.000	0.640	159.479	399.994	-1.082	1.173	-1.082	1.596	132.684	0.248
500.000	0.602	145.556	499.988	-2.038	1.666	-2.038	2.633	140.734	0.155
600.000	0.528	129.866	599.983	-2.767	2.317	-2.767	3.609	140.057	0.171
700.000	0.735	87.243	699.977	-3.032	3.311	-3.032	4.489	132.475	0.498
800.000	1.012	86.310	799.966	-2.944	4.833	-2.944	5.659	121.349	0.277
900.000	1.366	82.609	899.944	-2.734	6.896	-2.734	7.418	111.626	0.363
1000.000	0.990	78.466	999.923	-2.408	8.924	-2.408	9.243	105.100	0.386
1040.000	0.971	83.493	1039.917	-2.300	9.599	-2.300	9.871	103.476	0.220



VES Survey International
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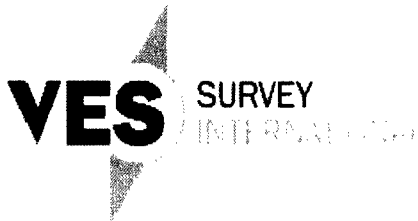
Depth=0.0, Inc=0.0, AzG=0.0
0
+N

Depth=1040.0, Inc=1.0, AzG=83.5

0

20

-W/+E
VES Survey Date: 6/26/2017



I Justin Williams certify that I am employed by VES Survey International. That I did on the day(s) of 06/26/17 through 06/26/17 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 1,040.00 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 Oil & Gas for the Burch Keely Unit Well # 964H API # 30-015-44149 in Eddy 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 black ink, appearing to read "Justin Williams", is written over a horizontal line.

Justin Williams
Service Technician
VES Survey International