



July 10, 2017

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

Attn: Kanicia Castillo

RE: **Dodd Federal Unit No. 917H**

30-015-44128

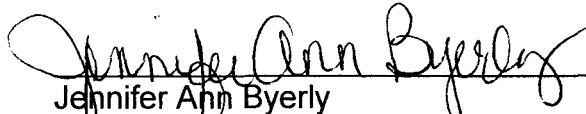
Please find enclosed a copy of the survey from 0' to 945' ran on the above referenced well.

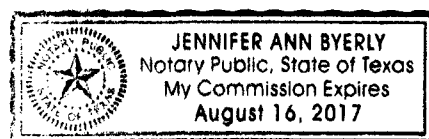
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 10th day of July,
A.D., 2017, by Keith Havelka.


Jennifer Ann Byerly
Notary Public, State of Texas





Company: COG OPERATING LLC
Lease/Well: DODD FEDERAL UNIT No./917H

Rig Name: PATRIOT 6
State/County: NEW MEXICO/EDDY
VS-Azi: 0.00 Degrees

Latitude: 32.83926, Longitude: -104.05481
Grid North = True North -0.15 degs (NAD 27)
Grid Correction Applied = -0.15 degs

VES SURVEY

Depth Reference : RKB 18 FEET

DRILLOG HA GYRO SURVEY CALCULATIONS
Filename: e-line gyro-de_01.ut
Minimum Curvature Method
Report Date/Time: 7/10/2017 / 11:14

VES Survey International
Midland, TX
432-563-5444

Surveyor: Andrew Meadville
Dodd Federal Unit No. 917H / API 30-015-44128

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	0.52	345.67	100.00	0.44	-0.11	0.44	0.46	345.67	0.52
200.00	0.57	348.09	199.99	1.38	-0.33	1.38	1.42	346.53	0.06
300.00	0.73	348.77	299.99	2.50	-0.56	2.50	2.56	347.39	0.16
400.00	0.94	349.72	399.98	3.94	-0.83	3.94	4.02	348.09	0.21
500.00	1.25	350.37	499.96	5.82	-1.16	5.82	5.94	348.73	0.31
600.00	1.66	353.61	599.93	8.34	-1.50	8.34	8.47	349.78	0.42
700.00	2.36	352.12	699.86	11.82	-1.95	11.82	11.98	350.64	0.70
800.00	3.08	350.12	799.75	16.51	-2.69	16.51	16.72	350.74	0.73
900.00	3.21	354.02	899.60	21.94	-3.44	21.94	22.21	351.08	0.25
945.00	2.92	355.06	944.54	24.34	-3.67	24.34	24.61	351.41	0.66



VES Survey International
Midland, TX
432-563-5444
Surveyor: Andrew Meadville
Dodd Federal Unit No. 917H / API 30-015-44128



40

Depth=945.0, Inc=2.9, AzG=355.1

20
-S/+N

-20
Depth=0.0, Inc=0.0, AzG=0.0

-W/+E

V.E.S. Survey Date: 7/3/2017



I Andrew Meadville certify that I am employed by VES Survey International. That I did on the day(s) of 07/04/17 through 07/04/17 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 945.00 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 COG Operating LLC for the Dodd Fed Unit Well # 917H API # 30-015-44128 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 "A R M", written over a horizontal line.

Andrew Meadville
Service Technician
VES Survey International