



PHOENIX
TECHNOLOGY SERVICES

October 11, 2017

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 30 2017

Dear District 2 - Artesia

RECEIVED

Re: EOG Resources
Cooper AHH 1
Eddy Co., NM
API #30-015-26299
Job No. 61327

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 606018). Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	1	0	2,300	6/2/17	6/2/17	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



Company: EOG

Job #: 61327

Well Name: Cooper AHH 1

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-26299

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-06-02	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-06-02	2300	0.58	194.1

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
0.11

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

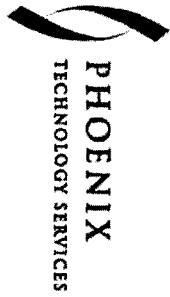
Date:

06-02-17

Print Name: Noe Garza

Signature:

A handwritten signature in black ink, appearing to read 'Noe Garza', written over a horizontal line.



Company: EOG
Well: Cooper AHH 1
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 61327
Grid Corr.: 0.11
Lat: 32.605708
Long: -104.544765
Grid Ref: NAD 83

Date: 06-02-17
Calculation Method: Minimum Curvature
Proposed Azimuth: Ground
RKB - MSL in feet: Surface
Tie Into:

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0							
Gyro	100.00	0.63	316.40	100	100.00	0.40	0.40 N	0.38 W	0.55	316.40	0.63	0.63	316.40
	200.00	0.40	297.40	100	199.99	0.96	0.96 N	1.07 W	1.43	311.85	0.28	-0.23	-19.00
	300.00	0.62	244.54	100	299.99	0.88	0.88 N	1.87 W	2.07	295.37	0.49	0.22	-52.86
	400.00	0.83	242.37	100	399.98	0.32	0.32 N	3.00 W	3.01	276.03	0.21	0.21	-2.17
	500.00	1.00	246.11	100	499.97	-0.37	0.37 S	4.44 W	4.45	265.20	0.18	0.17	3.74
	600.00	0.86	254.08	100	599.96	-0.93	0.93 S	5.96 W	6.03	261.11	0.19	-0.14	7.97
	700.00	0.77	228.40	100	699.95	-1.58	1.58 S	7.18 W	7.35	257.56	0.37	-0.09	-25.68
	800.00	0.63	187.73	100	799.94	-2.57	2.57 S	7.76 W	8.17	251.64	0.50	-0.14	-40.67
	900.00	0.92	134.65	100	899.93	-3.68	3.68 S	7.26 W	8.14	243.09	0.74	0.29	-53.08
	1000.00	1.15	138.08	100	999.91	-4.99	4.99 S	6.02 W	7.82	230.31	0.24	0.23	3.43
	1100.00	1.18	149.11	100	1099.89	-6.63	6.63 S	4.82 W	8.19	216.03	0.23	0.03	11.03
	1200.00	1.12	162.24	100	1199.87	-8.44	8.44 S	3.99 W	9.34	205.31	0.27	-0.06	13.13
	1300.00	0.94	175.24	100	1299.86	-10.19	10.19 S	3.63 W	10.81	199.59	0.29	-0.18	13.00
	1400.00	0.89	166.74	100	1399.85	-11.76	11.76 S	3.38 W	12.24	196.03	0.14	-0.05	-8.50
	1500.00	0.93	167.25	100	1499.83	-13.31	13.31 S	3.02 W	13.65	192.79	0.04	0.04	0.51
	1600.00	1.01	166.79	100	1599.82	-14.96	14.96 S	2.64 W	15.19	190.02	0.08	0.08	-0.46
	1700.00	1.01	174.82	100	1699.80	-16.69	16.69 S	2.36 W	16.86	188.05	0.14	0.00	8.03
	1800.00	1.02	183.02	100	1799.79	-18.46	18.46 S	2.33 W	18.61	187.19	0.15	0.01	8.20
	1900.00	1.12	184.24	100	1899.77	-20.32	20.32 S	2.45 W	20.47	186.87	0.10	0.10	1.22
	2000.00	1.19	174.00	100	1999.75	-22.33	22.33 S	2.41 W	22.46	186.16	0.22	0.07	-10.24
	2100.00	1.08	161.85	100	2099.73	-24.26	24.26 S	2.01 W	24.34	184.73	0.26	-0.11	-12.15
	2200.00	0.69	165.67	100	2199.72	-25.74	25.74 S	1.57 W	25.79	183.48	0.39	-0.39	3.82
	2300.00	0.58	194.10	100	2299.71	-26.81	26.81 S	1.54 W	26.86	183.29	0.33	-0.11	28.43

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-26299	² Pool Code 97565	³ Pool Name N. Seven Rivers Glorieta -	⁴ Well Number 1
⁵ Property Code 38735	⁶ Property Name Cooper AIII		⁷ Elevation 3610'GR
⁸ OGRID No. 025575	⁹ Operator Name Yates Petroleum Corporation		

¹⁰ Surface Location

1/4 or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
F	1	20S	24E		1650	North	1650	West	Eddy

¹¹ Bottom Hole Location If Different From Surface

1/4 or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division

16 1650' N 1650' W Lat 32.605708 Long -104.544765 (NAD83) RECEIVED AUG 5 2011 NMOCD ARTESIA	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature _____ Date August 4, 2011 Tina Huerta Printed Name tinah@yatespetroleum.com E-mail Address
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number _____