



PHOENIX
TECHNOLOGY SERVICES

December 6, 2017

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

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 12 2017

Dear District 2 - Artesia

RECEIVED

Re: EOG Resources
Ryburn FZ #3
Eddy Co., New Mexico
API #30-015-28877
Job No. 62096

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	3	0	1,550	12/1/17	12/1/17	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



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Company: EOG

Job #: 62096

Well Name: Ryburn FZ # 3

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-28877

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 (°)
2017-12-01	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-12-01	1550	1.18	240.66

Projected TD Survey

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

Grid Correction
0.02

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:

12-01-17

Print Name: Noe Garza

Signature:



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TECHNOLOGY SERVICES

Company: EOG
Well: Ryburn FZ # 3
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 62096
Grid Corr.: 0.02
Lat: 32.73
Long: -104.38

Date: 12-01-17
Calculation Method: Minimum Curvature
Proposed Azimuth: Ground
RKB - MSL in feet: Surface
Tie Into: _____

Survey Tool Type	Survey Depth (ft)	Inclina- tion (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')
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.31	100.92	100	100.00	-0.05	0.05 S	0.27 E	0.27	100.92	0.31	0.31	100.92
	200.00	0.74	283.88	100	200.00	0.05	0.05 N	0.10 W	0.11	298.72	1.05	0.43	182.96
	300.00	0.43	245.05	100	299.99	0.05	0.05 N	1.06 W	1.06	272.64	0.49	-0.31	-38.83
	400.00	0.58	357.02	100	399.99	0.40	0.40 N	1.43 W	1.48	285.49	0.84	0.15	111.97
	500.00	1.26	344.40	100	499.98	1.96	1.96 N	1.75 W	2.63	318.23	0.71	0.68	-12.62
	600.00	0.35	249.62	100	599.97	2.91	2.91 N	2.33 W	3.73	321.31	1.34	-0.91	-94.78
	700.00	0.46	7.17	100	699.97	3.21	3.21 N	2.57 W	4.11	321.28	0.70	0.11	-242.45
	800.00	0.22	272.36	100	799.97	3.61	3.61 N	2.71 W	4.52	323.10	0.53	-0.24	265.19
	900.00	0.45	4.68	100	899.96	4.01	4.01 N	2.87 W	4.93	324.40	0.51	0.23	-267.68
	1000.00	0.35	146.60	100	999.96	4.15	4.15 N	2.67 W	4.93	327.22	0.76	-0.10	141.92
	1100.00	0.21	223.27	100	1099.96	3.76	3.76 N	2.63 W	4.59	325.04	0.36	-0.14	76.67
	1200.00	0.67	195.94	100	1199.96	3.06	3.06 N	2.91 W	4.23	316.42	0.49	0.46	-27.33
	1300.00	1.08	205.55	100	1299.95	1.65	1.65 N	3.48 W	3.85	295.37	0.43	0.41	9.61
	1400.00	1.33	228.71	100	1399.93	0.03	0.03 N	4.76 W	4.76	270.42	0.54	0.25	23.16
	1500.00	0.98	250.49	100	1499.91	-1.02	1.02 S	6.44 W	6.52	261.02	0.56	-0.35	21.78
	1550.00	1.18	240.66	50	1549.90	-1.41	1.41 S	7.29 W	7.43	259.04	0.54	0.40	-19.66

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION LAT

1 API Number 30-015-78877		2 Pool Code 3610		3 Pool Name Atoka, San Andres	
4 Property Code		5 Property Name RYBURN FZ			6 Well Number 3
7 OGRID No. 025575		8 Operator Name YATES PETROLEUM CORPORATION			9 Elevation 3340.

10 Surface Location

UL or lot no. M	Section 22	Township 18-S	Range 26-E	Lot Idn	Feet from the 990	North/South line SOUTH	Feet from the 990	East/West line WEST	County EDDY
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Ken Beardemph</u> Printed Name <u>Ken Beardemph</u> Title <u>Landman</u> Date <u>3-14-96</u>
990' FEE				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. <u>MARCH 7, 1996</u> Date of Survey Signature and Seal of Professional Surveyor: <u>Ken R. Beardemph</u> Certificate Number NM DE&S NO. 5412