



**PHOENIX**  
**TECHNOLOGY SERVICES**

August 10, 2017

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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Dear District 2 - Artesia

SEP 19 2017

Re: EOG Resources  
Dayton EY #1  
Eddy Co., NM  
API #30-015-21688  
Job No. 61627

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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	1,500	8/9/17	8/9/17	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

SEP 19 2017

# SURVEY CERTIFICATION FORM



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

Company: EOG

Job #: 61627

Well Name: Dayton EY # 1

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-21688

## TIE-IN DATA

Measure Depth (ft) 0	Vertical Depth (ft) 0	Inclination (°) 0	Azimuth (°) 0	N-S Coordinates 0	E-W Coordinates 0	Date Source Surface
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### First Survey

Date 2017-08-09	Depth (ft) 0	Inclination (°) 0	Azimuth (°) 0
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### Last Survey

Date 2017-08-09	Depth (ft) 1500	Inclination (°) 1.38	Azimuth (°) 141.68
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### Projected TD Survey

Date 0	Depth (ft) 0	Inclination (°) 0	Azimuth (°) 0
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Grid Correction 0.03
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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: 08-09-17

Print Name: Noe Garza

Signature: 

**NM OIL CONSERVATION**  
 ARTESIA DISTRICT  
 SEP 19 2017

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**PHOENIX**  
 TECHNOLOGY SERVICES

Company: EOG  
 Well: Dayton EY # 1  
 Location: Eddy Co., New Mexico  
 Rig: Pulling Unit

Job Number: 61627  
 Grid Corr.: 0.03  
 Lat: 32.728820  
 Long: -104.381630  
 Grid Ref: NAD 83

Date: 08-09-17  
 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)	N/S (ft)	E/W (ft)	Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.19	178.20	100	100.00	-0.17	0.17 S	0.01 E	0.17	178.20	0.19	0.19	178.20
	200.00	0.71	337.81	100	200.00	0.24	0.24 N	0.22 W	0.33	317.29	0.89	0.52	159.61
	300.00	0.38	6.44	100	299.99	1.15	1.15 N	0.42 W	1.22	339.85	0.42	-0.33	-331.37
	400.00	0.53	47.79	100	399.99	1.79	1.79 N	0.04 W	1.79	358.70	0.35	0.15	41.35
	500.00	0.44	54.59	100	499.99	2.32	2.32 N	0.61 E	2.40	14.85	0.11	-0.09	6.80
	600.00	0.56	52.97	100	599.98	2.84	2.84 N	1.32 E	3.13	24.93	0.12	0.12	-1.62
	700.00	0.54	82.59	100	699.98	3.19	3.19 N	2.18 E	3.86	34.29	0.28	-0.02	29.62
	800.00	0.49	75.01	100	799.97	3.36	3.36 N	3.06 E	4.54	42.27	0.08	-0.05	-7.58
	900.00	0.27	80.66	100	899.97	3.51	3.51 N	3.70 E	5.10	46.51	0.22	-0.22	5.65
	1000.00	0.58	89.33	100	999.97	3.56	3.56 N	4.44 E	5.69	51.31	0.32	0.31	8.67
	1100.00	1.34	125.70	100	1099.96	2.88	2.88 N	5.90 E	6.56	63.97	0.94	0.76	36.37
	1200.00	1.39	131.88	100	1199.93	1.39	1.39 N	7.75 E	7.87	79.85	0.16	0.05	6.18
	1300.00	1.24	136.74	100	1299.90	-0.21	0.21 S	9.39 E	9.40	91.29	0.19	-0.15	4.86
	1400.00	1.04	145.87	100	1399.88	-1.75	1.75 S	10.64 E	10.79	99.34	0.27	-0.20	9.13
	1500.00	1.38	141.68	100	1499.86	-3.45	3.45 S	11.90 E	12.39	106.15	0.35	0.34	-4.19

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

NEW MEXICO OIL CONSERVATION COMMISSION SEP 19 2017  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

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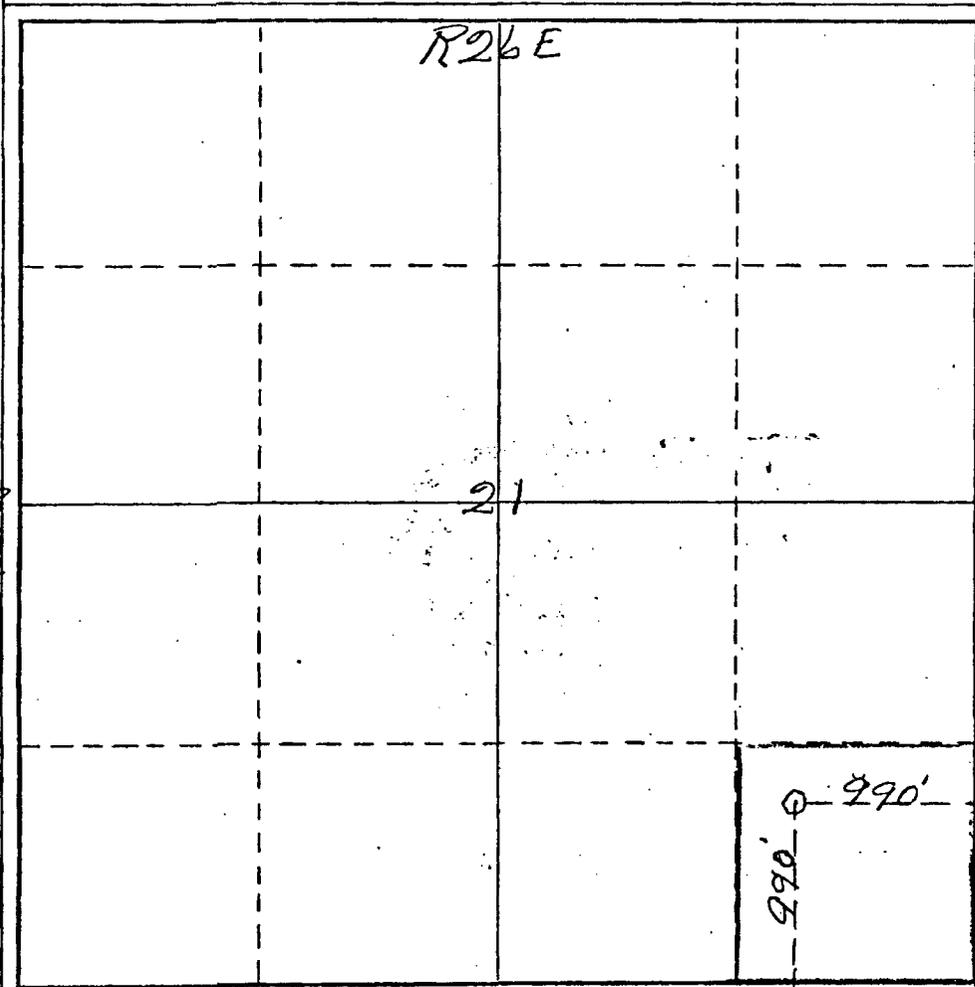
Operator <i>Yates Petroleum Corp</i>		Lease <i>Dayton EY</i>			Well No. <i>1</i>
Unit Letter <i>P</i>	Section <i>21</i>	Township <i>18 South</i>	Range <i>26 East</i>	County <i>Eddy</i>	
Actual Footage Location of Well: <i>990</i> feet from the <i>South</i> line and <i>990</i> feet from the <i>East</i> line					
Ground Level Elev. <i>3370</i>	Producing Formation <i>San Andres</i>		Pool <i>Atoka (S.A.)</i>	Dedicated Acreage: <i>40</i> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>Eddie M. Mahfood</i>
Position	Engineer
Company	Yates Petroleum Corp.
Date	12-3-75
I hereby certify that the well location shown on this plat was determined from field notes of <i>James H. Brown</i> made on or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	<i>October 25 1975</i>
Registered Professional Engineer and/or Land Surveyor	
<i>James H. Brown</i>	
Certificate No.	<i>542</i>

