



**PHOENIX**  
**TECHNOLOGY SERVICES**

October 11, 2017

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

Dear District 2 - Artesia

Re: EOG Resources  
Rushing NJ 1  
Eddy Co., NM  
API #30-015-23204  
Job No. 61381

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
OCT 30 2017  
**RECEIVED**

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	2,275	6/12/17	6/12/17	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 #: 61381

Well Name: Rushing NJ 1

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-23204

## 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 (°)
2017-06-12	0	0	0

## Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-06-12	2275	0.47	253.98

## Projected TD Survey

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

Grid Correction
0.1

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

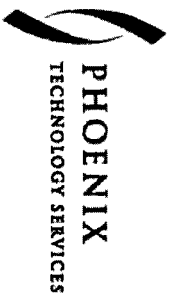
Date:

06-12-17

Print Name: Noe Garza

Signature:

A handwritten signature in black ink, appearing to read 'Noe Garza'.



**PHOENIX**  
TECHNOLOGY SERVICES

Company: EOG  
Well: Rushing NJ 1  
Location: Eddy Co., New Mexico  
Rig: Pulling Unit

Job Number: 61381  
Grid Corr.: 0.10  
Lat: 32.683890  
Long: -104.520920  
Grid Ref: NAD 83

Date: 06-12-17  
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)			
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.31	226.06	100	100.00	-0.19	0.19 S	0.19 W	0.27	226.06	0.31	0.31	226.06
	200.00	0.13	4.98	100	200.00	-0.26	0.26 S	0.38 W	0.46	235.35	0.42	-0.18	-221.08
	300.00	0.60	6.99	100	300.00	0.37	0.37 N	0.31 W	0.48	320.41	0.47	0.47	2.01
	400.00	0.26	10.31	100	399.99	1.11	1.11 N	0.20 W	1.13	349.72	0.34	-0.34	3.32
	500.00	0.13	78.28	100	499.99	1.36	1.36 N	0.05 W	1.36	357.89	0.24	-0.13	67.97
	600.00	0.87	241.09	100	599.99	1.02	1.02 N	0.60 W	1.18	329.27	0.99	0.74	162.81
	700.00	0.91	275.87	100	699.98	0.73	0.73 N	2.06 W	2.18	289.52	0.53	0.04	34.78
	800.00	1.06	285.07	100	799.96	1.05	1.05 N	3.74 W	3.89	285.70	0.22	0.15	9.20
	900.00	1.11	290.52	100	899.95	1.63	1.63 N	5.54 W	5.78	286.40	0.11	0.05	5.45
	1000.00	0.94	306.97	100	999.93	2.46	2.46 N	7.10 W	7.52	289.13	0.34	-0.17	16.45
	1100.00	0.76	316.17	100	1099.92	3.44	3.44 N	8.22 W	8.91	292.69	0.23	-0.18	9.20
	1200.00	0.84	343.65	100	1199.91	4.62	4.62 N	8.88 W	10.01	297.46	0.39	0.08	27.48
	1300.00	0.11	125.48	100	1299.91	5.27	5.27 N	9.01 W	10.44	300.30	0.93	-0.73	-218.17
	1400.00	0.12	268.18	100	1399.91	5.21	5.21 N	9.04 W	10.43	299.94	0.22	0.01	142.70
	1500.00	0.38	65.88	100	1499.91	5.34	5.34 N	8.84 W	10.33	301.13	0.49	0.26	-202.30
	1600.00	0.42	94.91	100	1599.90	5.44	5.44 N	8.17 W	9.82	303.66	0.20	0.04	29.03
	1700.00	0.31	102.02	100	1699.90	5.36	5.36 N	7.54 W	9.25	305.37	0.12	-0.11	7.11
	1800.00	0.65	141.48	100	1799.90	4.85	4.85 N	6.93 W	8.46	305.03	0.46	0.34	39.46
	1900.00	0.42	149.67	100	1899.89	4.09	4.09 N	6.39 W	7.59	302.66	0.24	-0.23	8.19
	2000.00	0.30	166.10	100	1999.89	3.52	3.52 N	6.14 W	7.08	299.86	0.16	-0.12	16.43
	2100.00	0.22	178.93	100	2099.89	3.08	3.08 N	6.07 W	6.81	296.88	0.10	-0.08	12.83
	2200.00	0.28	225.83	100	2199.89	2.72	2.72 N	6.24 W	6.81	293.51	0.21	0.06	46.90
	2275.00	0.47	253.98	75	2274.89	2.50	2.50 N	6.67 W	7.13	290.57	0.35	0.25	37.53

N. MEXICO OIL CONSERVATION COMMISSION  
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.

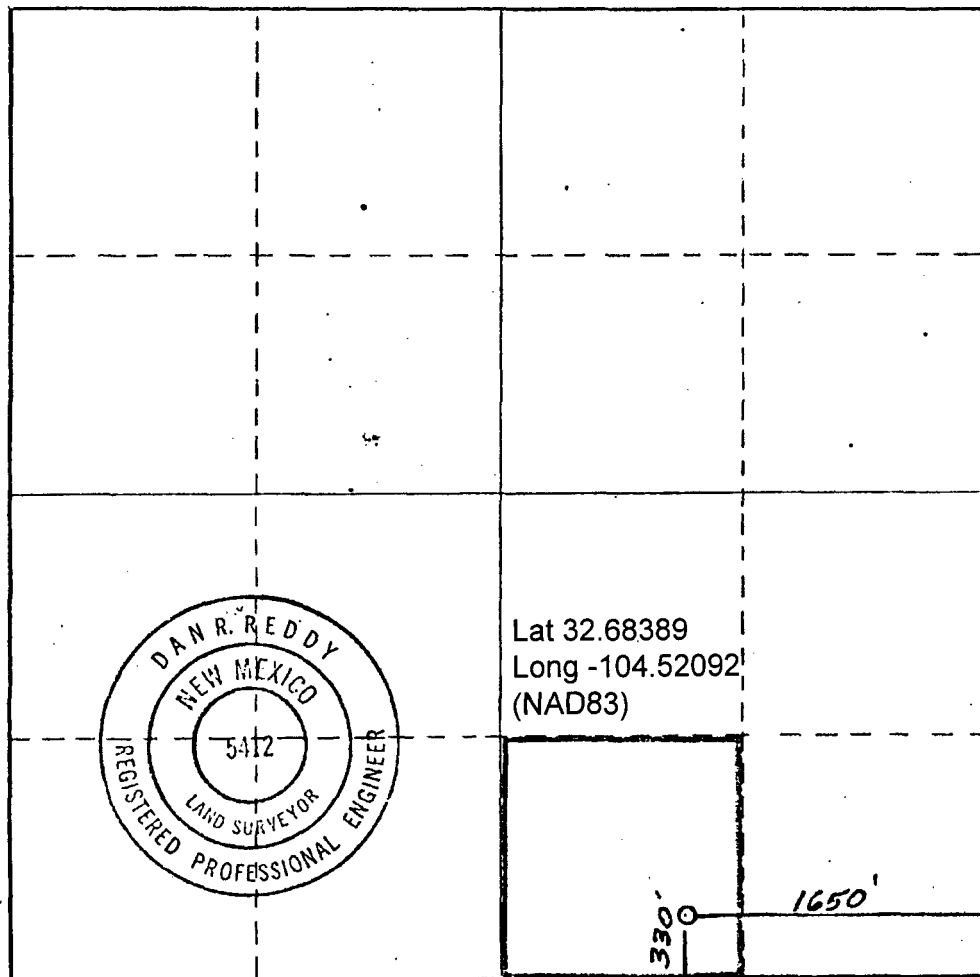
Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>Rushing NJ</b>		Well No. <b>1</b>
Unit Letter <b>0</b>	Section <b>6</b>	Township <b>19 South</b>	Range <b>25 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>East</b> line and <b>330</b> feet from the <b>South</b> line					
Ground Level Elev. <b>3596.0</b>	Producing Formation <b>YESO</b>	Pool <b>PENASCO DRAW (YESO - SA)</b>		Dedicated Acreage <b>40</b> 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.

*Glicerio Rodriguez*

Name

**GLICERIO RODRIGUEZ**

Position

**GEOGRAPHER**

Company

**YATES PETROLEUM CORP**

Date

**2-25-80**

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 knowledge and belief.

Date Surveyed

**Feb. 21, 1980**

Registered Professional Engineer and/or Land Surveyor

*Dan R. Reddy*

Certificate No.

**NM PERLS #5412**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0