



PHOENIX
TECHNOLOGY SERVICES

December 29, 2017

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

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 16 2018

RECEIVED

Dear District 2 - Artesia

Re: EOG Resources
Federal CM Com 1
Eddy Co., New Mexico
API #30-015-20800
Job No. 62191

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	
Andy Askew	1	0	983	12/28/17	12/28/17	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 #: 62191

Well Name: Federal CM Com 1

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-20800

TIE-IN DATA

Measure Depth (ft)	Measure Depth (ft)	Measure Depth (ft)	Measure Depth (ft)	Measure Depth (ft)	Measure Depth (ft)	Measure Depth (ft)
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Depth (ft)	Depth (ft)
2017-12-28	0	0	0

Last Survey

Date	Depth (ft)	Depth (ft)	Depth (ft)
2017-12-28	983	4.02	341.54

Projected TD Survey

Date	Depth (ft)	Depth (ft)	Depth (ft)
0	0	0	0

Gyro Correction
0.12

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: 12-28-17

Print Name: Andy Askew

Signature:



PHOENIX
TECHNOLOGY SERVICES

Company: EOG
Well: Federal CM Com 1
Location: Eddy Co., NM
Rig: Pulling Unit

Job Number: 62191
Grid Corr.: 0.12
Lat: 32.67
Long: -104.64

Date: 12-28-17
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	0	0					
Gyro	100.00	0.08	289.67	100	100.00	0.02	0.02 N	0.07 W	0.07	289.67	0.08	0.08	289.67
	200.00	0.22	186.32	100	200.00	-0.14	0.14 S	0.15 W	0.21	226.70	0.25	0.14	-103.35
	300.00	0.67	324.78	100	300.00	0.14	0.14 N	0.51 W	0.53	285.64	0.85	0.45	138.46
	400.00	1.77	310.44	100	399.97	1.62	1.62 N	2.02 W	2.59	308.72	1.13	1.10	-14.34
	500.00	2.62	304.52	100	499.90	3.92	3.92 N	5.08 W	6.42	307.64	0.88	0.85	-5.92
	600.00	3.53	320.50	100	599.76	7.59	7.59 N	8.92 W	11.72	310.38	1.24	0.91	15.98
	700.00	3.46	327.31	100	699.57	12.51	12.51 N	12.51 W	17.69	314.99	0.42	-0.07	6.81
	800.00	3.82	338.92	100	799.37	18.15	18.15 N	15.34 W	23.77	319.80	0.82	0.36	11.61
	900.00	3.87	341.87	100	899.15	24.47	24.47 N	17.59 W	30.13	324.29	0.20	0.05	2.95
	983.00	4.02	341.54	83	981.95	29.89	29.89 N	19.38 W	35.62	327.04	0.18	0.18	-0.40

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 YATES PETROLEUM CORPORATION			Lease FEDERAL CM		Well No. 1
Unit Letter M	Section 12	Township 19 South	Range 24 East	County Eddy	
Actual Footage Location of Well: 810 feet from the South line and 660 feet from the West line					
Ground Level Elev. 3640	Producing Formation San Andres		Pool Wildcat		Dedicated Acreage: 40 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.

Peyton Yates
Name
Peyton Yates

Position
Engineer

Company
Yates Pet. Corp.

Date
1-5-73

I hereby certify that the 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
December 18th, 1972

Registered Professional Engineer and/or Land Surveyor

James H. Brown
Certificate No. **542**

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