



PHOENIX
TECHNOLOGY SERVICES

January 12, 2018

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

Dear District 2 - Artesia

Re: EOG Resources
John AGU #5
Eddy Co., New Mexico
API #30-015-26861
Job No. 61278

EOG OIL CONSERVATION
ARTESIA DISTRICT

JAN 16 2018

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:

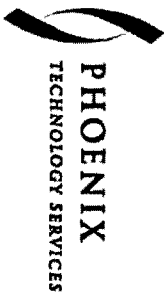
Name & Title of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	5	0	6,500	5/18/17	5/18/17	Gyro

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



PHOENIX

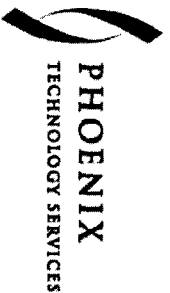
TECHNOLOGY SERVICES

Company: EOG
Well: John AGU # 5
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 61278
Grid Corr.: 0.12
Lat: 32.575739
Long: -104.561184
Grid Ref: NAD 83

Date: 05-18-17
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	0.40	306.26	100	100.00	0.21	0.21 N	0.28 W	0.35	306.26	0.40	0.40	306.26
	200.00	0.39	36.00	100	200.00	0.69	0.69 N	0.36 W	0.78	332.20	0.56	-0.01	-270.26
	300.00	0.30	10.11	100	300.00	1.22	1.22 N	0.12 W	1.23	354.53	0.18	-0.09	-25.89
	400.00	0.46	299.42	100	399.99	1.68	1.68 N	0.42 W	1.73	345.91	0.46	0.16	289.31
	500.00	0.58	311.92	100	499.99	2.21	2.21 N	1.15 W	2.49	332.59	0.16	0.12	12.50
	600.00	0.23	300.39	100	599.99	2.65	2.65 N	1.70 W	3.15	327.38	0.36	-0.35	-11.53
	700.00	0.71	210.01	100	699.98	2.22	2.22 N	2.18 W	3.11	315.48	0.75	0.48	-90.38
	800.00	1.34	232.39	100	799.97	0.97	0.97 N	3.42 W	3.55	285.79	0.73	0.63	22.38
	900.00	1.11	226.22	100	899.95	-0.42	0.42 S	5.04 W	5.06	265.26	0.26	-0.23	-6.17
	1000.00	1.19	227.77	100	999.93	-1.79	1.79 S	6.51 W	6.75	254.66	0.09	0.08	1.55
	1100.00	0.70	210.27	100	1099.91	-3.01	3.01 S	7.59 W	8.16	248.35	0.56	-0.49	-17.50
	1200.00	0.93	214.99	100	1199.90	-4.20	4.20 S	8.36 W	9.36	243.30	0.24	0.23	4.72
	1300.00	0.73	189.35	100	1299.89	-5.50	5.50 S	8.93 W	10.49	238.38	0.42	-0.20	-25.64
	1400.00	0.70	225.15	100	1399.88	-6.56	6.56 S	9.47 W	11.51	235.29	0.44	-0.03	35.80
	1500.00	0.81	216.53	100	1499.87	-7.56	7.56 S	10.32 W	12.79	233.79	0.16	0.11	-8.62
	1600.00	0.51	235.35	100	1599.87	-8.38	8.38 S	11.11 W	13.91	232.98	0.37	-0.30	18.82
	1700.00	0.74	234.92	100	1699.86	-9.00	9.00 S	12.00 W	15.00	233.13	0.23	0.23	-0.43
	1800.00	0.73	213.74	100	1799.85	-9.90	9.90 S	12.88 W	16.25	232.46	0.27	-0.01	-21.18
	1900.00	0.44	243.91	100	1899.85	-10.60	10.60 S	13.58 W	17.23	232.03	0.41	-0.29	30.17
	2000.00	0.69	259.71	100	1999.84	-10.88	10.88 S	14.52 W	18.14	233.16	0.29	0.25	15.80
	2100.00	0.65	229.16	100	2099.84	-11.35	11.35 S	15.54 W	19.25	233.85	0.36	-0.04	-30.55
	2200.00	0.69	225.51	100	2199.83	-12.15	12.15 S	16.40 W	20.41	233.47	0.06	0.04	-3.65
	2300.00	0.60	210.86	100	2299.82	-13.02	13.02 S	17.10 W	21.49	232.71	0.19	-0.09	-14.65
	2400.00	0.76	40.32	100	2399.82	-12.96	12.96 S	16.94 W	21.33	232.57	1.36	0.16	-170.54
	2500.00	0.29	266.55	100	2499.82	-12.47	12.47 S	16.76 W	20.89	233.34	0.98	-0.47	226.23
	2600.00	0.68	219.53	100	2599.82	-12.95	12.95 S	17.39 W	21.68	233.34	0.53	0.39	-47.02
	2700.00	0.58	242.36	100	2699.81	-13.64	13.64 S	18.22 W	22.76	233.18	0.27	-0.10	22.83
	2800.00	0.49	238.55	100	2799.81	-14.10	14.10 S	19.03 W	23.68	233.47	0.10	-0.09	-3.81



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Rig: Pulling Unit

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Long: -104.561184
Grid Ref: NAD 83

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

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')
	2900.00	0.60	110.00	100	2899.80	-14.50	14.50 S	18.90 W	23.82	232.51	0.98	0.11	-128.55
	3000.00	0.74	230.21	100	2999.80	-15.09	15.09 S	18.91 W	24.19	231.40	1.16	0.14	120.21
	3100.00	0.67	228.58	100	3099.79	-15.89	15.89 S	19.84 W	25.42	231.31	0.07	-0.07	-1.63
	3200.00	0.50	235.30	100	3199.79	-16.53	16.53 S	20.64 W	26.44	231.31	0.18	-0.17	6.72
	3300.00	0.51	244.54	100	3299.78	-16.97	16.97 S	21.40 W	27.31	231.59	0.08	0.01	9.24
	3400.00	0.40	239.64	100	3399.78	-17.33	17.33 S	22.10 W	28.09	231.90	0.12	-0.11	-4.90
	3500.00	0.37	236.46	100	3499.78	-17.69	17.69 S	22.67 W	28.76	232.04	0.04	-0.03	-3.18
	3600.00	0.50	220.00	100	3599.77	-18.20	18.20 S	23.22 W	29.50	231.91	0.18	0.13	-16.46
	3700.00	0.66	209.23	100	3699.77	-19.04	19.04 S	23.78 W	30.46	231.32	0.19	0.16	-10.77
	3800.00	0.55	327.94	100	3799.77	-19.13	19.13 S	24.32 W	30.94	231.81	1.04	-0.11	118.71
	3900.00	0.80	257.42	100	3899.76	-18.88	18.88 S	25.26 W	31.53	233.22	0.81	0.25	-70.52
	4000.00	1.19	274.44	100	3999.75	-18.95	18.95 S	26.97 W	32.96	234.91	0.49	0.39	17.02
	4100.00	1.04	283.02	100	4099.73	-18.67	18.67 S	28.89 W	34.40	237.14	0.22	-0.15	8.58
	4200.00	1.04	272.11	100	4199.71	-18.43	18.43 S	30.68 W	35.79	239.01	0.20	0.00	-10.91
	4300.00	1.16	283.62	100	4299.69	-18.16	18.16 S	32.57 W	37.29	240.87	0.25	0.12	11.51
	4400.00	1.33	297.55	100	4399.67	-17.38	17.38 S	34.59 W	38.71	243.32	0.35	0.17	13.93
	4500.00	1.57	309.17	100	4499.64	-15.98	15.98 S	36.68 W	40.01	246.46	0.38	0.24	11.62
	4600.00	1.91	310.98	100	4599.59	-14.02	14.02 S	39.00 W	41.44	250.23	0.34	0.34	1.81
	4700.00	2.05	310.42	100	4699.53	-11.77	11.77 S	41.62 W	43.25	254.21	0.14	0.14	-0.56
	4800.00	2.08	313.03	100	4799.47	-9.37	9.37 S	44.31 W	45.29	258.06	0.10	0.03	2.61
	4900.00	2.10	305.28	100	4899.40	-7.07	7.07 S	47.13 W	47.66	261.46	0.28	0.02	-7.75
	5000.00	2.40	316.66	100	4999.32	-4.49	4.49 S	50.06 W	50.26	264.87	0.54	0.30	11.38
	5100.00	2.18	307.98	100	5099.24	-1.80	1.80 S	53.00 W	53.03	268.06	0.41	-0.22	-8.68
	5200.00	2.54	316.37	100	5199.16	0.98	0.98 N	56.02 W	56.03	271.00	0.50	0.36	8.39
	5300.00	2.09	315.90	100	5299.08	3.89	3.89 N	58.82 W	58.95	273.78	0.45	-0.45	-0.47
	5400.00	1.91	302.54	100	5399.02	6.09	6.09 N	61.50 W	61.80	275.66	0.50	-0.18	-13.36
	5500.00	1.77	318.21	100	5498.97	8.14	8.14 N	63.93 W	64.45	277.26	0.52	-0.14	15.67
	5600.00	1.66	317.05	100	5598.92	10.35	10.35 N	65.95 W	66.75	278.92	0.12	-0.11	-1.16
	5700.00	1.66	306.77	100	5698.88	12.28	12.28 N	68.09 W	69.19	280.22	0.30	0.00	-10.28
	5800.00	1.72	312.63	100	5798.84	14.16	14.16 N	70.36 W	71.77	281.38	0.18	0.06	5.86
	5900.00	1.85	323.55	100	5898.79	16.48	16.48 N	72.42 W	74.27	282.82	0.36	0.13	10.92



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	6000.00	1.54	340.24	100	5998.74	19.04	19.04 N	73.83 W	76.25	284.46	0.58	-0.31	16.69
	6100.00	0.81	10.76	100	6098.72	21.00	21.00 N	74.16 W	77.07	285.81	0.94	-0.73	-329.48
	6200.00	1.11	58.42	100	6198.71	22.20	22.20 N	73.20 W	76.49	286.87	0.82	0.30	47.66
	6300.00	0.73	44.72	100	6298.70	23.16	23.16 N	71.93 W	75.56	287.85	0.44	-0.38	-13.70
	6400.00	0.50	67.10	100	6398.69	23.79	23.79 N	71.08 W	74.95	288.50	0.33	-0.23	22.38
	6500.00	0.70	333.13	100	6498.69	24.50	24.50 N	70.95 W	75.06	289.05	0.89	0.20	266.03

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

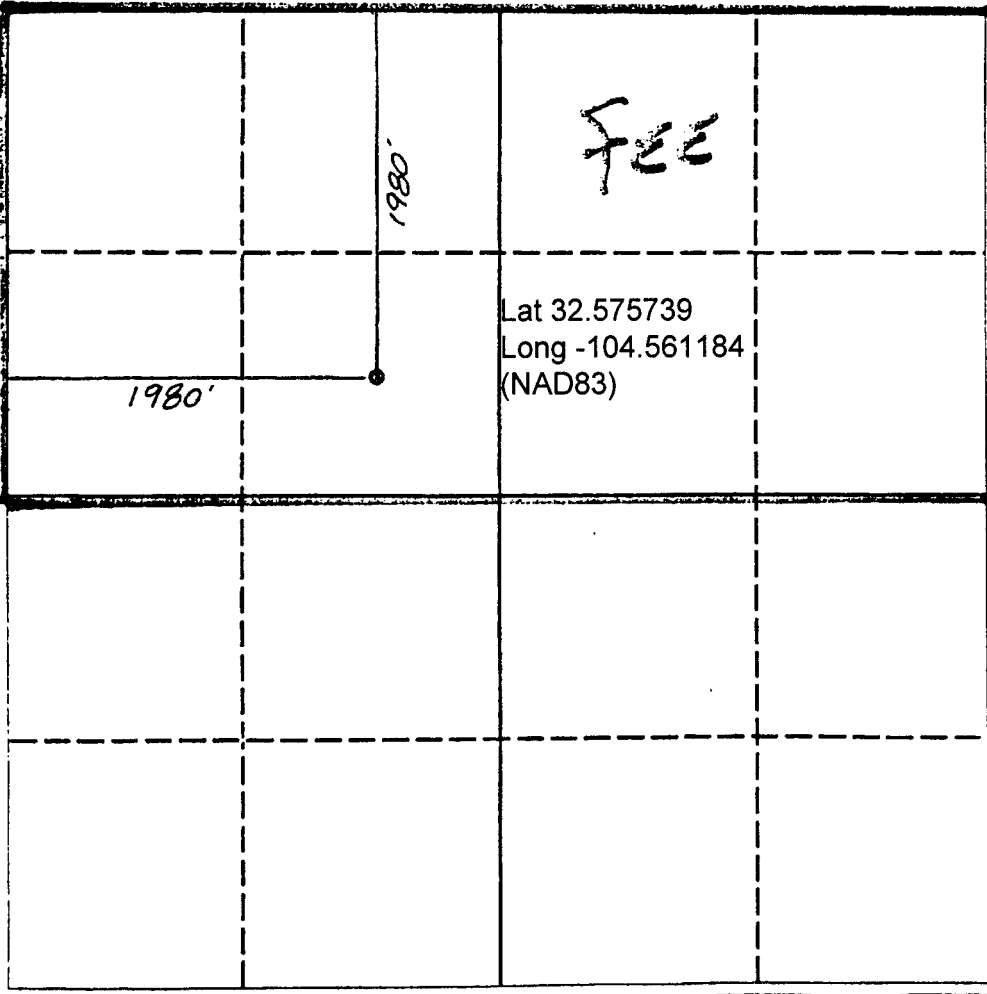
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator YATES PETROLEUM CORPORATION			Lease JOHN AGU		Well No. 5
Unit Letter F	Section 14	Township 20 SOUTH	Range 24 EAST	County EDDY COUNTY, N.M.	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the WEST line					
Ground level Elev. 3625.	Producing Formation Canyon		Pool S. Dagger Draw Upper Penn	Dedicated Acreage: 320 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 interest 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 interest, has been approved by the Division.					
				OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Ken Beardsley Printed Name Ken Beardsley Position Landman Company Yates Pet. Corp. Date 10-22-91	
				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 knowledge and belief. Date Surveyed OCTOBER 15, 1991 Signature Don D. Y. Professional Surveyor 