



PHOENIX
TECHNOLOGY SERVICES

July 19, 2017

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

Dear District 2 - Artesia

Re: EOG Resources
State CO Com 2
Eddy Co., NM
API #30-015-22383
Job No. 61525

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 17 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	2	0	6,200	7/14/17	7/14/17	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



PHOENIX
TECHNOLOGY SERVICES

Company: EOG

Job #: 61525

Well Name: State CO Com 2

County/State: Eddy Co., Nw Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-22383

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 (°)
2017-07-14	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-07-14	6200	2.02	79.34

Projected TD Survey

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

Grid Correction
0.11

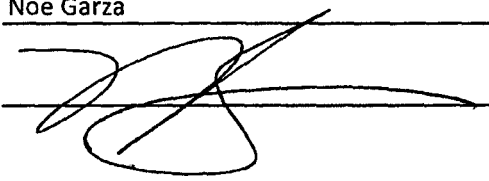
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 07-14-17

Print Name: Noe Garza

Signature: 



PHOENIX

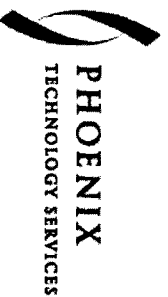
TECHNOLOGY SERVICES

Company: EOG
Well: State CO Com 2
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 61525
Grid Corr.: 0.11
Lat: 32.619750
Long: -104.539370
Grid Ref: NAD 83

Date: 07-14-17
Calculation Method: Minimum Curvature
Proposed Azimuth: Ground
RKB - MSL in feet: Surface
Tie Info:

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					
Gyro	100.00	0.17	231.50	100	100.00	-0.09	0.09 S	0.12 W	0.15	231.50	0.17	0.17	231.50
	200.00	0.18	233.25	100	200.00	-0.28	0.28 S	0.36 W	0.45	232.11	0.01	0.01	1.75
	300.00	0.86	217.20	100	299.99	-0.97	0.97 S	0.94 W	1.35	224.02	0.69	0.68	-16.05
	400.00	1.00	209.84	100	399.98	-2.33	2.33 S	1.83 W	2.96	218.14	0.18	0.14	-7.36
	500.00	1.01	217.30	100	499.97	-3.78	3.78 S	2.79 W	4.70	216.45	0.13	0.01	7.46
	600.00	1.08	222.66	100	599.95	-5.18	5.18 S	3.97 W	6.52	217.46	0.12	0.07	5.36
	700.00	1.61	227.11	100	699.92	-6.83	6.83 S	5.63 W	8.85	219.54	0.54	0.53	4.45
	800.00	1.61	230.66	100	799.88	-8.67	8.67 S	7.75 W	11.63	221.78	0.10	0.00	3.55
	900.00	1.89	235.58	100	899.84	-10.50	10.50 S	10.20 W	14.63	224.17	0.32	0.28	4.92
	1000.00	1.90	239.45	100	999.78	-12.27	12.27 S	12.98 W	17.87	226.62	0.13	0.01	3.87
	1100.00	1.79	234.64	100	1099.73	-14.02	14.02 S	15.69 W	21.04	228.22	0.19	-0.11	-4.81
	1200.00	2.19	230.09	100	1199.67	-16.15	16.15 S	18.43 W	24.50	228.77	0.43	0.40	-4.55
	1300.00	2.08	235.37	100	1299.60	-18.40	18.40 S	21.38 W	28.21	229.28	0.23	-0.11	5.28
	1400.00	1.98	231.92	100	1399.54	-20.50	20.50 S	24.24 W	31.74	229.77	0.16	-0.10	-3.45
	1500.00	2.01	231.39	100	1499.48	-22.66	22.66 S	26.97 W	35.22	229.96	0.04	0.03	-0.53
	1600.00	1.79	227.22	100	1599.42	-24.82	24.82 S	29.48 W	38.54	229.91	0.26	-0.22	-4.17
	1700.00	1.71	235.53	100	1699.37	-26.72	26.72 S	31.86 W	41.58	230.01	0.27	-0.08	8.31
	1800.00	1.37	223.92	100	1799.34	-28.43	28.43 S	33.92 W	44.26	230.04	0.46	-0.34	-11.61
	1900.00	1.52	219.91	100	1899.31	-30.30	30.30 S	35.60 W	46.75	229.59	0.18	0.15	-4.01
	2000.00	1.58	218.13	100	1999.27	-32.41	32.41 S	37.30 W	49.41	229.02	0.08	0.06	-1.78
	2100.00	1.60	219.77	100	2099.23	-34.56	34.56 S	39.05 W	52.15	228.48	0.05	0.02	1.64
	2200.00	1.61	221.91	100	2199.19	-36.68	36.68 S	40.88 W	54.92	228.10	0.06	0.01	2.14
	2300.00	1.64	221.37	100	2299.15	-38.80	38.80 S	42.76 W	57.74	227.78	0.03	0.03	-0.54
	2400.00	1.63	220.18	100	2399.11	-40.96	40.96 S	44.63 W	60.58	227.45	0.04	-0.01	-1.19
	2500.00	1.70	222.10	100	2499.07	-43.15	43.15 S	46.54 W	63.46	227.16	0.09	0.07	1.92
	2600.00	1.54	223.82	100	2599.03	-45.22	45.22 S	48.46 W	66.28	226.98	0.17	-0.16	1.72
	2700.00	1.56	223.48	100	2698.99	-47.18	47.18 S	50.33 W	68.98	226.85	0.02	0.02	-0.34
	2800.00	1.53	220.60	100	2798.96	-49.18	49.18 S	52.14 W	71.67	226.67	0.08	-0.03	-2.88



PHOENIX

TECHNOLOGY SERVICES

Company: EOG
Well: State CO Com 2
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 61525
Grid Corr.: 0.11
Lat: 32.619750
Long: -104.539370
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	1.56	219.18	100	2898.92	-51.25	51.25 S	53.86 W	74.35	226.43	0.05	0.03	-1.42
	3000.00	1.58	219.91	100	2998.88	-53.36	53.36 S	55.61 W	77.07	226.18	0.03	0.02	0.73
	3100.00	1.75	219.61	100	3098.84	-55.59	55.59 S	57.47 W	79.96	225.95	0.17	0.17	-0.30
	3200.00	1.83	220.97	100	3198.79	-57.98	57.98 S	59.49 W	83.07	225.74	0.09	0.08	1.36
	3300.00	1.84	222.06	100	3298.74	-60.37	60.37 S	61.61 W	86.26	225.58	0.04	0.01	1.09
	3400.00	2.02	237.15	100	3398.68	-62.52	62.52 S	64.17 W	89.59	225.74	0.54	0.18	15.09
	3500.00	2.39	250.74	100	3498.61	-64.16	64.16 S	67.61 W	93.21	226.50	0.64	0.37	13.59
	3600.00	2.53	256.95	100	3598.52	-65.35	65.35 S	71.73 W	97.04	227.67	0.30	0.14	6.21
	3700.00	2.67	265.43	100	3698.41	-66.03	66.03 S	76.20 W	100.84	229.09	0.41	0.14	8.48
	3800.00	2.73	269.87	100	3798.30	-66.23	66.23 S	80.91 W	104.56	230.70	0.22	0.06	4.44
	3900.00	2.97	272.26	100	3898.18	-66.13	66.13 S	85.88 W	108.39	232.40	0.27	0.24	2.39
	4000.00	3.15	273.71	100	3998.04	-65.85	65.85 S	91.21 W	112.49	234.17	0.20	0.18	1.45
	4100.00	3.17	281.35	100	4097.89	-65.13	65.13 S	96.66 W	116.55	236.03	0.42	0.02	7.64
	4200.00	2.97	281.95	100	4197.74	-64.05	64.05 S	101.91 W	120.36	237.85	0.20	-0.20	0.60
	4300.00	3.07	284.56	100	4297.60	-62.84	62.84 S	107.03 W	124.11	239.58	0.17	0.10	2.61
	4400.00	2.77	288.53	100	4397.47	-61.40	61.40 S	111.92 W	127.65	241.25	0.36	-0.30	3.97
	4500.00	2.25	296.22	100	4497.38	-59.76	59.76 S	115.97 W	130.46	242.74	0.62	-0.52	7.69
	4600.00	2.58	293.47	100	4597.29	-58.00	58.00 S	119.79 W	133.09	244.17	0.35	0.33	-2.75
	4700.00	2.63	290.03	100	4697.19	-56.31	56.31 S	124.01 W	136.20	245.58	0.16	0.05	-3.44
	4800.00	2.89	285.98	100	4797.07	-54.83	54.83 S	128.59 W	139.80	246.91	0.32	0.26	-4.05
	4900.00	3.44	290.64	100	4896.92	-53.08	53.08 S	133.82 W	143.97	248.36	0.61	0.55	4.66
	5000.00	3.80	285.21	100	4996.72	-51.16	51.16 S	139.83 W	148.89	249.90	0.50	0.36	-5.43
	5100.00	3.13	293.83	100	5096.53	-49.18	49.18 S	145.52 W	153.61	251.33	0.85	-0.67	8.62
	5200.00	2.62	303.44	100	5196.41	-46.82	46.82 S	149.93 W	157.07	252.66	0.70	-0.51	9.61
	5300.00	2.74	301.67	100	5296.30	-44.31	44.31 S	153.87 W	160.12	253.94	0.15	0.12	-1.77
	5400.00	2.01	308.48	100	5396.21	-41.96	41.96 S	157.28 W	162.78	255.06	0.78	-0.73	6.81
	5500.00	1.61	317.34	100	5496.16	-39.84	39.84 S	159.60 W	164.50	255.99	0.49	-0.40	8.86
	5600.00	1.05	329.89	100	5596.14	-38.01	38.01 S	161.01 W	165.44	256.72	0.63	-0.56	12.55
	5700.00	0.91	28.25	100	5696.12	-36.52	36.52 S	161.10 W	165.18	257.23	0.96	-0.14	-301.64
	5800.00	0.72	46.99	100	5796.11	-35.39	35.39 S	160.26 W	164.12	257.55	0.32	-0.19	18.74
	5900.00	1.43	69.21	100	5896.10	-34.52	34.52 S	158.64 W	162.35	257.72	0.81	0.71	22.22



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TECHNOLOGY SERVICES

Company: EOG
Well: State CO Com 2
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 61525
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Lat: 32.619750
Long: -104.539370
Grid Ref: NAD 83

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

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	6000.00	1.58	72.59	100	5996.06	-33.66	N/S	E/W	Distance (ft)	Angle (deg)			
	6100.00	1.81	73.23	100	6096.02	-32.80	33.66 S	156.15 W	159.74	257.83	0.17	0.15	3.38
	6200.00	2.02	79.34	100	6195.96	-32.01	32.80 S	153.33 W	156.79	257.93	0.23	0.23	0.64
							32.01 S	150.08 W	153.46	257.96	0.29	0.21	6.11

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

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SEP 18 '89

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

O. C. O.
DISTRICT OFFICE

Operator YATES PETROLEUM CORPORATION			Lease State CO Com		Well No. 2
Unit Letter G	Section 36	Township 19S	Range 24E	County Eddy	
Actual Footage Location of Well: 1850 feet from the North line and 1980 feet from the East line					
Ground level Elev. 3605'	Producing Formation Canyon		Pool Undes. North Dagger Draw Upper	Dedicated Acreage: 160 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

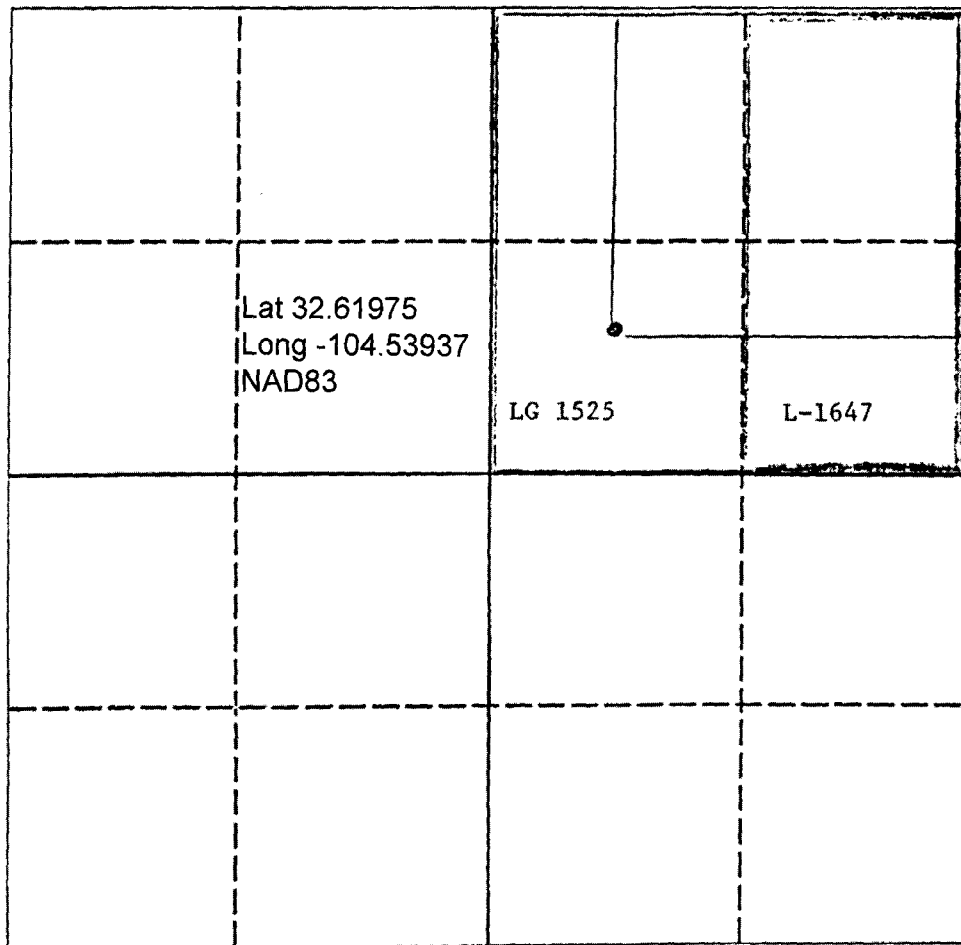
Signature
Juanita Goodlett
Printed Name
JUANITA GOODLETT
Position
PRODUCTION SUPERVISOR
Company
YATES PETROLEUM CORPORATION
Date
9-15-89

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
Refer to original plat
Signature & Seal of
Professional Surveyor

Certificate No.



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