



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
Scout EH Federal Com #3
Eddy Co., NM
API #30-015-21038
Job No. 61522

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	3	0	4,375	7/17/17	7/17/17	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 #: 61522

Well Name: Scout EH Federal Com # 3

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API #: 30-015-21038

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 (°)
2017-07-17	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2017-07-17	4375	0.88	211.41

Projected TD Survey

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

Grid Correction
0.07

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

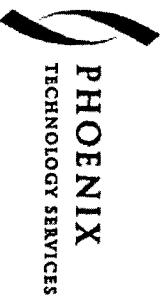
Date:

7-07-17-17

Print Name: Noe Garza

Signature:

A handwritten signature in black ink, appearing to read 'Noe Garza', written over a horizontal line.



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TECHNOLOGY SERVICES

Company: EOG
Well: Scout EH Federal Com # 3
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 61522
Grid Corr.: 0.07
Lat: 32.709794
Long: -104.470217
Grid Ref: NAD 83

Date: 07-17-17
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 Distance (ft)	Closure Angle (deg)		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)						

Enter Tie-In Survey on Line 10

FIELD COPY, NON-DEFINITIVE

TIE IN	0			0	0	0	0	0						
Gyro	100.00	0.22	134.37	100	100.00	-0.13	0.13 S	0.14 E	0.19	134.37		0.22	0.22	134.37
	200.00	0.12	318.55	100	200.00	-0.19	0.19 S	0.21 E	0.28	132.81		0.34	-0.10	184.18
	300.00	0.24	43.01	100	300.00	0.04	0.04 N	0.28 E	0.28	81.51		0.26	0.12	-275.54
	400.00	0.29	295.51	100	400.00	0.30	0.30 N	0.19 E	0.36	32.45		0.43	0.05	252.50
	500.00	0.37	18.70	100	500.00	0.72	0.72 N	0.07 E	0.72	5.43		0.44	0.08	-276.81
	600.00	0.34	36.29	100	600.00	1.26	1.26 N	0.35 E	1.31	15.37		0.11	-0.03	17.59
	700.00	0.24	71.06	100	699.99	1.57	1.57 N	0.72 E	1.73	24.66		0.20	-0.10	34.77
	800.00	0.80	93.16	100	799.99	1.60	1.60 N	1.62 E	2.27	45.29		0.58	0.56	22.10
	900.00	1.26	87.51	100	899.97	1.61	1.61 N	3.41 E	3.77	64.74		0.47	0.46	-5.65
	1000.00	1.90	89.58	100	999.93	1.67	1.67 N	6.17 E	6.39	74.86		0.64	0.64	2.07
	1100.00	2.09	96.71	100	1099.87	1.47	1.47 N	9.64 E	9.75	81.34		0.31	0.19	7.13
	1200.00	2.08	99.56	100	1199.81	0.95	0.95 N	13.24 E	13.27	85.88		0.10	-0.01	2.85
	1300.00	2.10	100.11	100	1299.74	0.33	0.33 N	16.83 E	16.83	88.87		0.03	0.02	0.55
	1400.00	1.79	97.01	100	1399.68	-0.18	0.18 S	20.18 E	20.19	90.51		0.33	-0.31	-3.10
	1500.00	1.68	85.93	100	1499.64	-0.27	0.27 S	23.20 E	23.20	90.66		0.35	-0.11	-11.08
	1600.00	1.95	89.64	100	1599.59	-0.15	0.15 S	26.36 E	26.36	90.33		0.29	0.27	3.71
	1700.00	1.41	95.07	100	1699.54	-0.25	0.25 S	29.29 E	29.29	90.49		0.56	-0.54	5.43
	1800.00	1.18	80.18	100	1799.52	-0.18	0.18 S	31.53 E	31.53	90.33		0.41	-0.23	-14.89
	1900.00	1.03	90.32	100	1899.50	-0.01	0.01 S	33.44 E	33.44	90.02		0.25	-0.15	10.14
	2000.00	0.48	82.23	100	1999.49	0.04	0.04 N	34.75 E	34.75	89.94		0.56	-0.55	-8.09
	2100.00	0.65	101.45	100	2099.49	-0.02	0.02 S	35.73 E	35.73	90.03		0.25	0.17	19.22
	2200.00	0.25	105.83	100	2199.48	-0.19	0.19 S	36.49 E	36.49	90.30		0.40	-0.40	4.38
	2300.00	0.32	164.72	100	2299.48	-0.52	0.52 S	36.77 E	36.78	90.81		0.29	0.07	58.89
	2400.00	0.51	31.89	100	2399.48	-0.41	0.41 S	37.08 E	37.09	90.63		0.76	0.19	-132.83
	2500.00	0.66	351.72	100	2499.48	0.54	0.54 N	37.24 E	37.24	89.17		0.43	0.15	319.83
	2600.00	0.33	296.24	100	2599.47	1.23	1.23 N	36.89 E	36.91	88.08		0.55	-0.33	-55.48
	2700.00	0.22	334.87	100	2699.47	1.54	1.54 N	36.55 E	36.59	87.59		0.21	-0.11	38.63
	2800.00	0.63	299.55	100	2799.47	1.98	1.98 N	35.99 E	36.05	86.85		0.47	0.41	-35.32



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Well: Scout EH Federal Com # 3
Location: Eddy Co., New Mexico
Rig: Pulling Unit

Job Number: 61522
Grid Corr.: 0.07
Lat: 32.709794
Long: -104.470217
Grid Ref: NAD 83

Calculation Method: Minimum Curvature
Proposed Azimuth: RKB - MSL in feet:
Tie Into: Ground
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	0.57	255.99	100	2899.46	2.13	2.13 N	35.03 E	35.10	86.52	0.45	-0.06	-43.56
	3000.00	0.35	291.57	100	2999.46	2.12	2.12 N	34.27 E	34.33	86.45	0.35	-0.22	35.58
	3100.00	0.72	263.68	100	3099.46	2.17	2.17 N	33.36 E	33.43	86.28	0.44	0.37	-27.89
	3200.00	0.39	273.79	100	3199.45	2.12	2.12 N	32.39 E	32.46	86.26	0.34	-0.33	10.11
	3300.00	0.71	272.56	100	3299.45	2.17	2.17 N	31.44 E	31.51	86.05	0.32	0.32	-1.23
	3400.00	0.45	227.82	100	3399.44	1.93	1.93 N	30.53 E	30.59	86.37	0.50	-0.26	-44.74
	3500.00	0.62	258.69	100	3499.44	1.56	1.56 N	29.70 E	29.75	86.99	0.33	0.17	30.87
	3600.00	0.47	243.17	100	3599.43	1.27	1.27 N	28.81 E	28.84	87.47	0.21	-0.15	-15.52
	3700.00	0.87	263.61	100	3699.43	1.00	1.00 N	27.69 E	27.71	87.92	0.46	0.40	20.44
	3800.00	1.06	248.68	100	3799.41	0.58	0.58 N	26.07 E	26.08	88.72	0.31	0.19	-14.93
	3900.00	1.14	263.96	100	3899.39	0.14	0.14 N	24.22 E	24.22	89.67	0.30	0.08	15.28
	4000.00	1.80	268.05	100	3999.36	-0.02	0.02 S	21.66 E	21.66	90.04	0.67	0.66	4.09
	4100.00	1.52	270.71	100	4099.32	-0.05	0.05 S	18.77 E	18.77	90.16	0.29	-0.28	2.66
	4200.00	1.72	286.16	100	4199.28	0.38	0.38 N	16.00 E	16.00	88.64	0.48	0.20	15.45
	4300.00	1.03	228.27	100	4299.25	0.20	0.20 N	13.89 E	13.89	89.17	1.46	-0.69	-57.89
	4375.00	0.88	211.41	75	4374.24	-0.74	0.74 S	13.08 E	13.10	93.24	0.42	-0.20	-22.48

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-21038		Pool Code	Pool Name Penasco Draw Wolfcamp
Property Code	Property Name Scout EH Federal Com		Well Number 3
OGRID No. 025575	Operator Name Yates Petroleum Corporation		Elevation

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	34	18S	25E		660	North	1980	East	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code Communitized		¹⁵ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Rusty Klein Printed Name Production Clerk Title October 13, 1994 Date	
	¹⁸ 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 belief. REFER TO ORIGINAL PLAT Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	