



PHOENIX
TECHNOLOGY SERVICES

October 30, 2018

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

Dear District 2 - Artesia

RECEIVED

Re: EOG Resources
Jackson B No. 18
Eddy Co., New Mexico
API #30-015-04040
Job No. 63768

NOV 26 2018

DISTRICT II-ARTESIA O.C.D.

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	18	0	2,700	10/30/18	10/30/18	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 #: 63768

Well Name: Jackson B No. 18

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-04040

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 (°)
2018-10-30	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-10-30	2700	1.04	336.24

Projected TD Survey

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

Grid Correction
-0.22

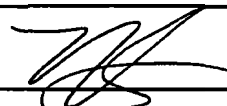
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

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

Date: 10-30-18

Print Name: Noe Garza

Signature: 



Company: EOG
 Well: Jackson B No. 18
 Location: Eddy Co., New Mexico
 Rig: Pulling Unit

Job Number: 63768
 Grid Corr.: -0.22
 Lat: 32.861676
 Long: -103.919125
 Grid Ref: NAD 83

Date: 10-30-18
 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')
							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	0.15	305.35	100	100.00	0.08	0.08 N	0.11 W	0.13	305.35	0.15	0.15	305.35
	200.00	1.74	204.87	100	199.98	-1.23	1.23 S	0.85 W	1.49	214.80	1.77	1.59	-100.48
	300.00	2.66	233.59	100	299.91	-3.98	3.98 S	3.36 W	5.21	220.15	1.41	0.92	28.72
	400.00	3.57	227.97	100	399.76	-7.44	7.44 S	7.54 W	10.59	225.37	0.96	0.91	-5.62
	500.00	2.77	227.81	100	499.61	-11.15	11.15 S	11.64 W	16.12	226.23	0.80	-0.80	-0.16
	600.00	2.11	242.65	100	599.52	-13.62	13.62 S	15.07 W	20.31	227.89	0.91	-0.66	14.84
	700.00	1.91	255.79	100	699.46	-14.87	14.87 S	18.32 W	23.60	230.92	0.50	-0.20	13.14
	800.00	1.93	277.03	100	799.40	-15.08	15.08 S	21.60 W	26.34	235.09	0.71	0.02	21.24
	900.00	2.64	287.88	100	899.32	-14.16	14.16 S	25.47 W	29.14	240.92	0.83	0.71	10.85
	1000.00	2.56	288.97	100	999.22	-12.73	12.73 S	29.77 W	32.38	246.85	0.09	-0.08	1.09
	1100.00	2.37	303.37	100	1099.13	-10.87	10.87 S	33.61 W	35.32	252.08	0.65	-0.19	14.40
	1200.00	2.12	341.34	100	1199.06	-7.98	7.98 S	35.93 W	36.80	257.48	1.48	-0.25	37.97
	1300.00	2.77	351.76	100	1298.97	-3.83	3.83 S	36.87 W	37.07	264.06	0.78	0.65	10.42
	1400.00	2.62	7.01	100	1398.86	0.83	0.83 N	36.93 W	36.94	271.28	0.73	-0.15	-344.75
	1500.00	1.72	29.45	100	1498.79	4.40	4.40 N	35.92 W	36.19	276.99	1.22	-0.90	22.44
	1600.00	1.72	41.60	100	1598.74	6.83	6.83 N	34.18 W	34.86	281.30	0.36	0.00	12.15
	1700.00	1.56	55.76	100	1698.70	8.72	8.72 N	32.06 W	33.23	285.21	0.43	-0.16	14.16
	1800.00	1.59	72.27	100	1798.66	9.91	9.91 N	29.61 W	31.23	288.50	0.45	0.03	16.51
	1900.00	2.05	98.82	100	1898.62	10.06	10.06 N	26.53 W	28.37	290.76	0.95	0.46	26.55
	2000.00	1.79	144.59	100	1998.56	8.51	8.51 N	23.85 W	25.33	289.63	1.51	-0.26	45.77
	2100.00	1.72	165.95	100	2098.52	5.78	5.78 N	22.58 W	23.31	284.36	0.65	-0.07	21.36
	2200.00	1.85	207.52	100	2198.47	2.89	2.89 N	22.97 W	23.15	277.18	1.27	0.13	41.57
	2300.00	1.81	236.29	100	2298.43	0.58	0.58 N	25.02 W	25.03	271.34	0.91	-0.04	28.77
	2400.00	1.20	244.83	100	2398.39	-0.74	0.74 S	27.29 W	27.30	268.45	0.65	-0.61	8.54
	2500.00	0.98	280.82	100	2498.37	-1.02	1.02 S	29.07 W	29.09	267.99	0.71	-0.22	35.99
	2600.00	1.06	303.71	100	2598.36	-0.35	0.35 S	30.68 W	30.69	269.35	0.41	0.08	22.89
	2700.00	1.04	336.24	100	2698.34	1.00	1.00 N	31.82 W	31.83	271.79	0.59	-0.02	32.53

NEW MEXICO
OIL CONSERVATION COMMISSION

Form C-128

Well Location and/or Gas Proration Plat

Date November 7, 1956

Operator Nash, Windfohr, & Brown Lease Jackson "B"

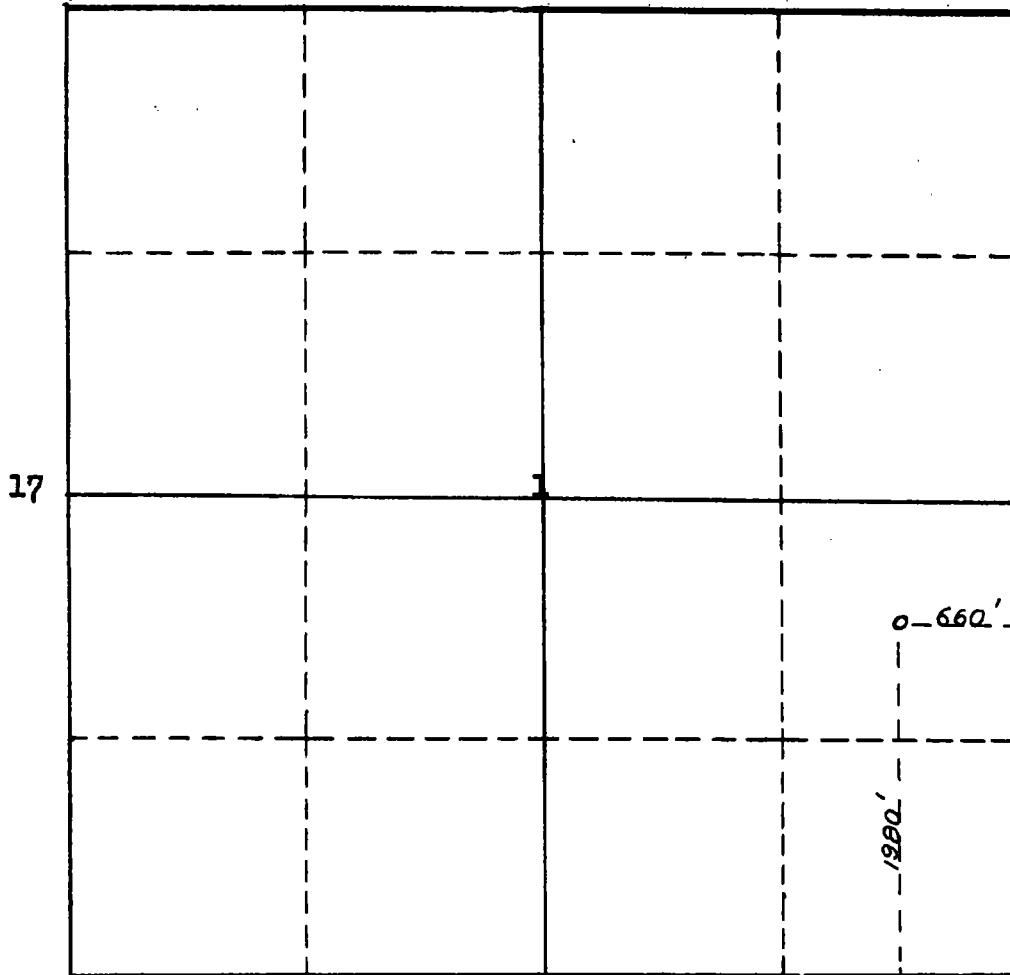
Well No. 18 Section 1 Township 17S Range 30E NMPM

Located 1980 Feet From South Line, 660 Feet From East Line,

Eddy County, New Mexico. G. L. Elevation _____

Name of Producing Formation Grayburg Pool Sq. Lake Dedicated Acreage 40

(Note: All distances must be from outer boundaries of Section)



SCALE: 1"=1000'

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1. Is this Well a Dual Comp.? Yes ___ No ___.
2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage? Yes ___ No X.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Name [Signature]
Position Partner
Representing Nash, Windfohr and Brown
Address 1107 Continental Life Building

Date Surveyed November 6, 1956
[Signature]
Registered Professional Engineer and/or
Land Surveyor

Fort Worth, Texas