



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

November 7, 2016

NM OIL CONSERVATION

ARTESTA DISTRICT

MAR 07 2017

RECEIVED

BC Operating
Attention: Regulatory Department
303 Veterans Airpark Lane #6101
PO Box 50820, Midland, TX 70710
Midland, TX 79705-4550

Re: BC Operating
Sterling 20 State #14
Eddy County, NM
API #30-015-42731
Job No. 60503

HOBBS OGD
FEB 27 2017
RECEIVED

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced well with the State of New Mexico Oil Conservation Division – District 2 via certified mail. A copy of the filing is attached for your records.

Name of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	14	0	413	11/3/16	11/3/16	Gyro

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

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: BC Operating

Job #: 60503

Well Name: Sterling 20 State # 14

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-42731

TIE-IN DATA

Measure Depth (ft) 0	Vertical Depth (ft) 0	Inclination (°) 0	Azimuth (°) 0	N-S Coordinates 0	E-W Coordinates 0	Data Source Surface
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First Survey

Date 2016-11-03	Depth (ft) 0	Inclination (°) 0	Azimuth (°) 0
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Last Survey

Date 2016-11-03	Depth (ft) 413	Inclination (°) 1.6	Azimuth (°) 342.34
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Projected TD Survey

Date 0	Depth (ft) 0	Inclination (°) 0	Azimuth (°) 0
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Grid Correction -0.07

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Jaime Stephenson

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

Date: 11-03-16

Print Name: Noe Garza

Signature: 



Company: BC Operating
 Well: Sterling 20 State # 14
 Location: Eddy Co., New Mexico
 Rig: Patterson 244

Job Number: 60503
 Grid Corr.: -0.07
 Lat: 32.30
 Long: -104.21

Date: 11-03-16
 Calculation Method: Minimum Curvature
 Proposed Azimuth: 180.9
 RKB - MSL in feet: 28.5
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	107.55	0.11	164.58	108	107.55	0.10	0.10 S	0.03 E	0.10	164.58	0.10	0.10	153.03
	206.89	0.53	53.75	99	206.89	-0.09	0.08 N	0.42 E	0.43	79.27	0.58	0.42	-111.57
	296.12	0.99	0.81	89	296.11	-1.11	1.10 N	0.77 E	1.34	35.01	0.89	0.52	-59.33
	388.08	1.54	346.21	92	388.05	-3.10	3.09 N	0.48 E	3.13	8.90	0.69	0.60	375.60
	413.00	1.60	342.34	25	412.96	-3.75	3.75 N	0.30 E	3.76	4.55	0.49	0.24	-15.53

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-42781	² Pool Code 96409	³ Pool Name FOREHAND RANCH; WOLFCAMP SOUTHWEST
⁴ Property Code 313796	⁵ Property Name STERLING 20 STATE	
⁷ OGRID No. 160825	⁸ Operator Name B.C. OPERATING, INC.	⁶ Well Number 1H
⁹ Elevation 3179		

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
0	17	T23S	R27E		240'	SOUTH	1950'	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
0	20	T23S	R27E		240'	SOUTH	1950'	EAST	EDDY

¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 472010.44' / X: 578789.62' B - Y: 472008.28' / X: 580112.37' C - Y: 466709.48' / X: 580131.35' D - Y: 466718.61' / X: 578813.90'		CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 471951.73' / X: 537607.49' B - Y: 471949.55' / X: 538930.22' C - Y: 466650.89' / X: 538949.09' D - Y: 466660.04' / X: 537631.66'		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Pam Stevens</u> Date: <u>10/1/14</u> Printed Name: <u>Pam Stevens</u> E-mail Address: <u>pstevens@bcoperating.com</u>	
SECTION 18	SECTION 17			SECTION 16	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. Date of Survey: <u>SEPTEMBER 30, 2014</u> Signature and Seal of Professional Surveyor: <u>Lloyd P. Short</u> Certificate Number: <u>21653</u>
SECTION 19	SECTION 20			SECTION 21	
SECTION 19	SECTION 20			SECTION 21	
SECTION 30	SECTION 29			SECTION 28	

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Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

HOBBS RECEIVED FEB 27 2017

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-31797		² Pool Code 98220		³ Pool Name PURPLE SAGE-WOLFCAMP GAS POOL	
⁴ Property Code 312173		⁵ Property Name WALTERTHON FEE			⁶ Well Number 001
⁷ OGRID No. 13645		⁸ Operator Name LYNX PETROLEUM CONSULTANTS, INC.			⁹ Elevation 3109' GL

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
A	21	22S	27E		860	NORTH	948	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 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">360'</p> <p style="text-align: center;">0 — 948'</p> </div>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p style="text-align: right;">2/6/2017</p> <p><i>Debbie McKelvey</i> _____ Signature Date</p> <p>DEBBIE MCKELVEY, AGENT Printed Name</p> <p>debmkelvey@earthlink.net E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>6/6/2001</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: RONALD J. EIDSON</p> <p>ON FILE</p> <p>01-11-0718</p> <p>Certificate Number</p>