Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised April 3, 2017

1. WELL API NO. 300-025-46136
2. Type of Lease [X] STATE [ ] FEE [ ] FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

[X] **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

[ ] **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: Hagberry 9 State Com
6. Well Number: 501H

7. Type of Completion:
[X] NEW WELL [ ] WORKOVER [ ] DEEPENING [ ] PLUGBACK [ ] DIFFERENT RESERVOIR [ ] OTHER _____

8. Name of Operator: Centennial Resource Production, LLC
9. OGRID: 372165
10. Address of Operator: 1001 17th St., #1800, Denver, CO 80202
11. Pool name or Wildcat: WC-025 G-07 S223505N; Bone Spring

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	9	22S	35E		339	North	280	West	Lea
BH:	E	16	22S	35E		2539	North	329	West	Lea

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
8/29/19	9/27/19	9/29/19	10/20/19	3623'

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
17615	17573	yes	Gamma Ray

22. Producing Interval(s), of this completion - Top, Bottom, Name: 10424 - 17571

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.5	1901	17.50	1525	
9 5/8	40	5512	12.25	1450	
5 1/2	20		8.75		
5 1/2	20		8.50	2850	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	9862'	9850'

26. Perforation record (interval, size, and number)

10,424' - 17,571', 35, 1674 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10424 - 17571	16,162,020 gals slick water
	19,675,960# 100 mesh sand

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
10/20/19	flowing	producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11/03/19	24 hours	1.906		2390	2582	5376	1080

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
	280		2390	2582	1080	42.0

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*: Sold
30. Test Witnessed By

31. List Attachments: C-102, C-104, Survey,Additional Points Required, Log submitted online

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date: 09/29/19

34. If an on-site burial was used at the well, report the exact location of the on-site burial:
Latitude _____ Longitude _____ NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature  Printed Name Michelle Gonzales Title Regulatory Analyst Date 03/16/20

E-mail Address michelle.gonzales@cdevinc.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Capitan Reef 4387	T. Kirtland	T. Penn. "B"
B. Salt	T. Cherry Canyon 5715	T. Fruitland	T. Penn. "C"
T. Yates	T. Manzanita Lime 6034	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Brushy Canyon 6862	T. Cliff House	T. Leadville
T. Queen	T. Bone Spring Lime 8217	T. Menefee	T. Madison
T. Grayburg	T. Avalon Shale 8466	T. Point Lookout	T. Elbert
T. San Andres	T. First Bone Spring Sand 9387	T. Mancos	T. McCracken
T. Glorieta	T. Second Bone Spring Carb 8564	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Second Bone Spring Sand 9976	Base Greenhorn	T.Granite
T. Blinebry	T. Third Bone Spring Carb	T. Dakota	
T.Tubb	T. Third Bone Spring Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from……..…..…..to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

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	[2] Pool Code	[3] Pool Name
30-025-46136	98136	WC-025 G-07 S223505N; Bone Spring

[4] Property Code	[5] Property Name	[6] Well Number
325758	HAGBERRY 9 STATE COM	501H

[7] OGRID No.	[8] Operator Name	[9] Elevation
372165	CENTENNIAL RESOURCE PRODUCTION, LLC	3622.9'

[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
D	9	22S	35E		339	NORTH	280	WEST	LEA

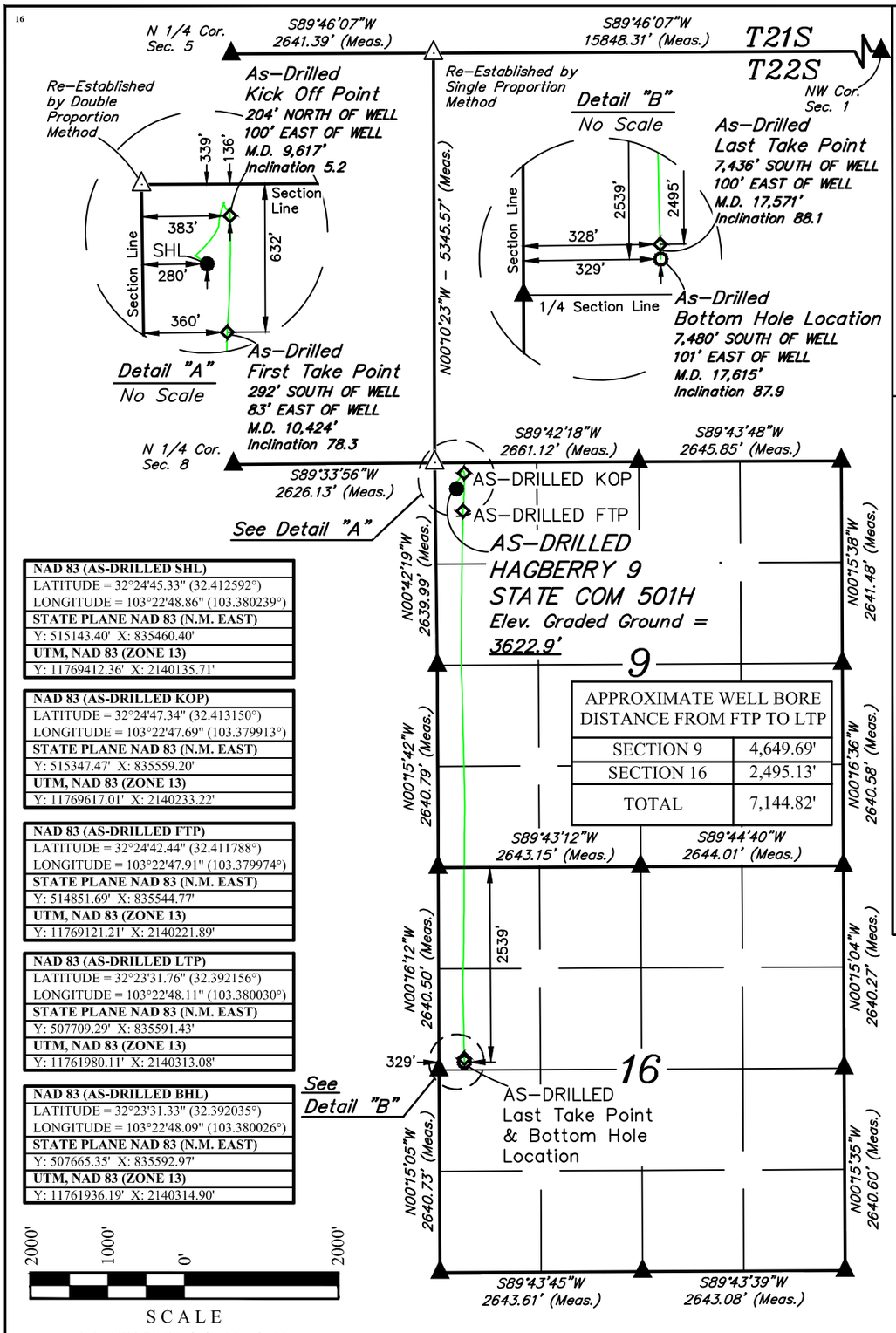
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	22S	35E		2539	NORTH	329	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
240			

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]



APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP

SECTION 9	4,649.69'
SECTION 16	2,495.13'
TOTAL	7,144.82'

NAD 83 (AS-DRILLED SHL)
LATITUDE = 32°24'45.33" (32.412592°)
LONGITUDE = 103°22'48.86" (103.380239°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 515143.40' X: 835460.40'
UTM, NAD 83 (ZONE 13)
Y: 11769412.36' X: 2140135.71'

NAD 83 (AS-DRILLED KOP)
LATITUDE = 32°24'47.34" (32.413150°)
LONGITUDE = 103°22'47.69" (103.379913°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 515347.47' X: 835559.20'
UTM, NAD 83 (ZONE 13)
Y: 11769617.01' X: 2140233.22'

NAD 83 (AS-DRILLED FTP)
LATITUDE = 32°24'42.44" (32.411788°)
LONGITUDE = 103°22'47.91" (103.379974°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 514851.69' X: 835544.77'
UTM, NAD 83 (ZONE 13)
Y: 11769121.21' X: 2140221.89'

NAD 83 (AS-DRILLED LTP)
LATITUDE = 32°23'31.76" (32.392156°)
LONGITUDE = 103°22'48.11" (103.380030°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 507709.29' X: 835591.43'
UTM, NAD 83 (ZONE 13)
Y: 11761980.11' X: 2140313.08'

NAD 83 (AS-DRILLED BHL)
LATITUDE = 32°23'31.33" (32.392035°)
LONGITUDE = 103°22'48.09" (103.380026°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 507665.35' X: 835592.97'
UTM, NAD 83 (ZONE 13)
Y: 11761936.19' X: 2140314.90'

[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.

03/13/20
Signature Date

Michelle Gonzales-Nguyen
Printed Name

michelle.gonzales@cdevinc.com
E-mail Address

[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.

September 12, 2019
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

● = AS-DRILLED SURFACE HOLE LOCATION
◇ = AS-DRILLED KOP/FTP /LTP
○ = AS-DRILLED BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Centennial Resource Production, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	372165
	[3] Reason for Filing Code/ Effective Date NW/ 10/20/2019

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 25-46136	WC-025 G-07 S223505N; Bone Spring	98136

[7] Property Code	[8] Property Name	[9] Well Number
325758	Hagberry 9 State Com	501H

II. [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
D	9	22S	35E	D	339	North	280	West	Lea

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	22S	35E		2539	North	329	West	Lea

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F	10/20/19			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
	Oryx Delaware Oil Gathering NM, LLC	O
703107	Lucid Energy Delaware, LLC	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
08/29/19	10/20/2019	17,615 MD; 10,346 TVD	17,573	10,424 - 17,571	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17-1/2"	13-3/8"	1901'	1525
12-1/4"	9-5/8"	5512'	1450
8-3/4" , 8-1/2"	5-1/2"	17600'	2850
	2 7/8"	9862'	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
10/20/19	10/20/19	11/03/19	24 hours		280
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
1.906	2390	5376	2582		F

[42] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: M. Gonzales-Nguyen

Printed name: Michelle Gonzales-Nguyen

Title: Regulatory Analyst

E-mail Address: michelle.gonzales@cdevinc.com

Date: 3/16/2020

Phone: 720-499-1565

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

PHOENIX
TECHNOLOGY SERVICES

Centennial Resources Development, Inc.

Lea County, NM (NAD83 - UTM Zone 13)
Hagberry 9 State Com
501H

OH / 65385

Survey: Phoenix MWD Surveys

Standard Survey Report

24 October, 2019

CENTENNIAL
RESOURCE DEVELOPMENT, INC

Company:	Centennial Resources Development, Inc.	**Local Co-ordinate Reference:**	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	**TVD Reference:**	RKB @ 3647.50usft (H&P 618)
Site:	Hagberry 9 State Com	**MD Reference:**	RKB @ 3647.50usft (H&P 618)
Well:	501H	**North Reference:**	True
Wellbore:	OH / 65385	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (H&P 618)	**Database:**	USA Compass

Project Lea County, NM (NAD83 - UTM Zone 13)

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		Using geodetic scale factor

Site Hagberry 9 State Com

Site Position:		**Northing:**	11,769,411.75 usft	**Latitude:**	32.412590
From:	Map	**Easting:**	2,140,135.34 usft	**Longitude:**	-103.380241
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.87 °

Well 501H

Well Position	**+N/-S**	0.00 usft	**Northing:**	11,769,411.75 usft	**Latitude:**	32.412590
	+E/-W	0.00 usft	**Easting:**	2,140,135.34 usft	**Longitude:**	-103.380241
Position Uncertainty		1.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,622.50 usft

Wellbore OH / 65385

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	9/17/2019	6.75	60.08	47,974.00000000

Design Surveys (H&P 618)

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	1,856.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.49

Survey Program **Date** 10/24/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
177.00	1,856.00	Invictus MWD Surveys (OH / Surface)	MWD	OWSG MWD - Standard
2,005.00	17,615.00	Phoenix MWD Surveys (OH / 65385)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,856.00	1.60	300.69	1,855.00	33.93	-47.74	-34.35	0.00	0.00	0.00
Tie In									
2,005.00	1.01	297.60	2,003.96	35.60	-50.69	-36.05	0.40	-0.40	-2.07
First Phoenix MWD Survey									
2,099.00	0.81	126.29	2,097.96	35.59	-50.89	-36.04	1.93	-0.21	-182.24
2,193.00	1.55	78.33	2,191.94	35.45	-49.11	-35.89	1.25	0.79	-51.02
2,288.00	2.75	51.38	2,286.87	37.14	-46.07	-37.54	1.62	1.26	-28.37
2,382.00	4.09	43.97	2,380.70	40.96	-41.98	-41.33	1.50	1.43	-7.88
2,476.00	5.10	42.96	2,474.40	46.43	-36.80	-46.75	1.08	1.07	-1.07

Company:	Centennial Resources Development, Inc.	**Local Co-ordinate Reference:**	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	**TVD Reference:**	RKB @ 3647.50usft (H&P 618)
Site:	Hagberry 9 State Com	**MD Reference:**	RKB @ 3647.50usft (H&P 618)
Well:	501H	**North Reference:**	True
Wellbore:	OH / 65385	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (H&P 618)	**Database:**	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,571.00	5.14	44.08	2,569.02	52.57	-30.96	-52.85	0.11	0.04	1.18
2,666.00	4.96	46.83	2,663.65	58.44	-25.01	-58.66	0.32	-0.19	2.89
2,760.00	4.81	47.61	2,757.31	63.88	-19.13	-64.05	0.17	-0.16	0.83
2,855.00	4.78	49.15	2,851.98	69.15	-13.20	-69.27	0.14	-0.03	1.62
2,949.00	5.57	41.47	2,945.60	75.13	-7.22	-75.19	1.12	0.84	-8.17
3,043.00	6.17	40.34	3,039.10	82.40	-0.92	-82.41	0.65	0.64	-1.20
3,138.00	6.25	42.78	3,133.55	90.09	5.89	-90.03	0.29	0.08	2.57
3,232.00	6.19	43.53	3,226.99	97.52	12.86	-97.40	0.11	-0.06	0.80
3,327.00	6.25	35.22	3,321.44	105.46	19.37	-105.28	0.95	0.06	-8.75
3,421.00	6.35	39.87	3,414.87	113.62	25.65	-113.39	0.55	0.11	4.95
3,515.00	6.38	42.01	3,508.29	121.50	32.48	-121.20	0.25	0.03	2.28
3,610.00	6.19	27.01	3,602.73	129.98	38.34	-129.63	1.74	-0.20	-15.79
3,704.00	6.53	25.04	3,696.15	139.34	42.90	-138.95	0.43	0.36	-2.10
3,799.00	6.54	31.28	3,790.53	148.86	48.00	-148.42	0.75	0.01	6.57
3,893.00	5.60	13.46	3,884.01	157.89	51.84	-157.43	2.23	-1.00	-18.96
3,987.00	5.59	4.94	3,977.56	166.91	53.31	-166.43	0.88	-0.01	-9.06
4,082.00	5.22	5.26	4,072.14	175.83	54.10	-175.34	0.39	-0.39	0.34
4,176.00	4.88	8.02	4,165.78	184.05	55.05	-183.55	0.44	-0.36	2.94
4,270.00	4.44	11.31	4,259.47	191.57	56.32	-191.06	0.55	-0.47	3.50
4,365.00	4.36	12.21	4,354.19	198.71	57.81	-198.19	0.11	-0.08	0.95
4,459.00	4.18	12.69	4,447.93	205.54	59.32	-205.01	0.20	-0.19	0.51
4,553.00	4.08	16.51	4,541.68	212.09	61.02	-211.54	0.31	-0.11	4.06
4,648.00	3.77	16.16	4,636.46	218.33	62.85	-217.76	0.33	-0.33	-0.37
4,742.00	3.12	18.47	4,730.29	223.72	64.52	-223.14	0.71	-0.69	2.46
4,836.00	2.86	18.18	4,824.16	228.38	66.06	-227.78	0.28	-0.28	-0.31
4,931.00	2.75	17.92	4,919.05	232.80	67.50	-232.19	0.12	-0.12	-0.27
5,025.00	2.84	20.02	5,012.93	237.13	68.99	-236.51	0.15	0.10	2.23
5,120.00	2.70	24.17	5,107.82	241.39	70.71	-240.75	0.26	-0.15	4.37
5,214.00	2.48	21.87	5,201.73	245.29	72.38	-244.64	0.26	-0.23	-2.45
5,308.00	2.45	16.03	5,295.64	249.11	73.69	-248.45	0.27	-0.03	-6.21
5,403.00	2.30	15.42	5,390.56	252.90	74.76	-252.23	0.16	-0.16	-0.64
5,465.00	2.28	14.88	5,452.51	255.29	75.41	-254.61	0.05	-0.03	-0.87
5,569.00	2.16	7.23	5,556.43	259.24	76.18	-258.55	0.31	-0.12	-7.36
5,663.00	0.62	25.77	5,650.40	261.45	76.63	-260.76	1.69	-1.64	19.72
5,757.00	0.40	150.93	5,744.40	261.62	77.01	-260.93	0.97	-0.23	133.15
5,851.00	0.41	143.53	5,838.40	261.06	77.37	-260.37	0.06	0.01	-7.87
5,944.00	0.43	176.92	5,931.39	260.45	77.58	-259.75	0.26	0.02	35.90
6,038.00	0.25	197.03	6,025.39	259.90	77.54	-259.20	0.23	-0.19	21.39
6,132.00	0.24	214.61	6,119.39	259.54	77.37	-258.84	0.08	-0.01	18.70
6,226.00	0.16	243.72	6,213.39	259.32	77.14	-258.63	0.13	-0.09	30.97
6,320.00	0.11	328.67	6,307.39	259.34	76.98	-258.65	0.20	-0.05	90.37
6,415.00	0.11	336.12	6,402.39	259.50	76.89	-258.81	0.02	0.00	7.84
6,509.00	0.22	15.74	6,496.39	259.76	76.91	-259.06	0.16	0.12	42.15

Company:	Centennial Resources Development, Inc.	**Local Co-ordinate Reference:**	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	**TVD Reference:**	RKB @ 3647.50usft (H&P 618)
Site:	Hagberry 9 State Com	**MD Reference:**	RKB @ 3647.50usft (H&P 618)
Well:	501H	**North Reference:**	True
Wellbore:	OH / 65385	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (H&P 618)	**Database:**	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,603.00	0.22	19.31	6,590.39	260.10	77.01	-259.41	0.01	0.00	3.80
6,697.00	0.22	92.16	6,684.39	260.27	77.25	-259.57	0.28	0.00	77.50
6,791.00	0.36	147.81	6,778.39	260.01	77.59	-259.31	0.32	0.15	59.20
6,885.00	0.40	187.73	6,872.39	259.43	77.71	-258.73	0.28	0.04	42.47
6,979.00	0.36	227.72	6,966.39	258.91	77.44	-258.21	0.28	-0.04	42.54
7,073.00	0.38	233.11	7,060.38	258.52	76.97	-257.83	0.04	0.02	5.73
7,167.00	0.64	212.52	7,154.38	257.90	76.44	-257.20	0.33	0.28	-21.90
7,261.00	0.74	209.06	7,248.37	256.92	75.87	-256.24	0.12	0.11	-3.68
7,355.00	0.85	193.85	7,342.36	255.71	75.40	-255.03	0.25	0.12	-16.18
7,449.00	0.88	183.92	7,436.35	254.32	75.19	-253.64	0.16	0.03	-10.56
7,543.00	0.92	167.98	7,530.34	252.86	75.30	-252.18	0.27	0.04	-16.96
7,637.00	0.93	159.59	7,624.33	251.41	75.72	-250.72	0.14	0.01	-8.93
7,731.00	0.81	158.65	7,718.32	250.07	76.23	-249.38	0.13	-0.13	-1.00
7,825.00	0.90	143.82	7,812.31	248.86	76.90	-248.16	0.25	0.10	-15.78
7,919.00	0.95	144.85	7,906.30	247.62	77.79	-246.92	0.06	0.05	1.10
8,014.00	0.72	147.49	8,001.29	246.48	78.56	-245.77	0.25	-0.24	2.78
8,108.00	0.89	150.80	8,095.28	245.34	79.24	-244.63	0.19	0.18	3.52
8,202.00	1.24	165.86	8,189.26	243.72	79.84	-243.00	0.47	0.37	16.02
8,296.00	1.49	175.30	8,283.23	241.51	80.19	-240.79	0.36	0.27	10.04
8,390.00	1.75	179.51	8,377.20	238.86	80.30	-238.14	0.30	0.28	4.48
8,485.00	1.62	161.63	8,472.16	236.14	80.74	-235.41	0.57	-0.14	-18.82
8,579.00	1.82	136.56	8,566.11	233.79	82.18	-233.05	0.82	0.21	-26.67
8,673.00	1.84	126.19	8,660.07	231.82	84.43	-231.06	0.35	0.02	-11.03
8,767.00	2.02	120.36	8,754.01	230.09	87.08	-229.30	0.28	0.19	-6.20
8,862.00	2.17	122.58	8,848.95	228.27	90.04	-227.46	0.18	0.16	2.34
8,956.00	2.36	132.80	8,942.88	226.00	92.95	-225.16	0.47	0.20	10.87
9,050.00	1.88	137.17	9,036.81	223.55	95.42	-222.70	0.54	-0.51	4.65
9,145.00	1.65	131.51	9,131.77	221.50	97.51	-220.63	0.30	-0.24	-5.96
9,239.00	1.31	141.69	9,225.74	219.76	99.19	-218.87	0.46	-0.36	10.83
9,333.00	2.28	173.54	9,319.69	217.06	100.06	-216.16	1.44	1.03	33.88
9,427.00	2.70	177.82	9,413.60	212.99	100.36	-212.09	0.49	0.45	4.55
9,460.00	2.43	181.45	9,446.57	211.52	100.37	-210.61	0.95	-0.82	11.00
9,560.00	2.21	170.41	9,546.49	207.50	100.64	-206.59	0.50	-0.22	-11.04
9,654.00	7.22	176.98	9,640.14	199.81	101.25	-198.90	5.35	5.33	6.99
9,748.00	16.27	176.82	9,732.08	180.72	102.29	-179.80	9.63	9.63	-0.17
9,795.00	21.79	179.29	9,776.49	165.41	102.77	-164.49	11.87	11.74	5.26
9,843.00	25.18	182.40	9,820.51	146.29	102.45	-145.38	7.52	7.06	6.48
9,890.00	29.41	182.42	9,862.27	124.77	101.54	-123.86	9.00	9.00	0.04
9,937.00	33.45	180.89	9,902.36	100.27	100.86	-99.37	8.76	8.60	-3.26
9,984.00	40.03	180.01	9,940.01	72.18	100.65	-71.28	14.04	14.00	-1.87
10,031.00	44.55	182.10	9,974.77	40.57	100.04	-39.68	10.07	9.62	4.45
10,078.00	46.56	181.82	10,007.68	7.03	98.90	-6.15	4.30	4.28	-0.60
10,125.00	49.70	181.41	10,039.04	-27.95	97.91	28.82	6.71	6.68	-0.87
10,187.00	54.43	181.83	10,077.15	-76.81	96.53	77.67	7.65	7.63	0.68

Company:	Centennial Resources Development, Inc.	**Local Co-ordinate Reference:**	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	**TVD Reference:**	RKB @ 3647.50usft (H&P 618)
Site:	Hagberry 9 State Com	**MD Reference:**	RKB @ 3647.50usft (H&P 618)
Well:	501H	**North Reference:**	True
Wellbore:	OH / 65385	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (H&P 618)	**Database:**	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,219.00	57.38	182.34	10,095.08	-103.29	95.56	104.14	9.31	9.22	1.59
10,266.00	63.04	183.74	10,118.43	-144.00	93.38	144.83	12.32	12.04	2.98
10,313.00	68.10	184.32	10,137.86	-186.68	90.37	187.47	10.82	10.77	1.23
10,360.00	73.49	185.37	10,153.31	-230.88	86.62	231.65	11.66	11.47	2.23
10,407.00	76.59	183.70	10,165.45	-276.14	83.04	276.87	7.44	6.60	-3.55
10,454.00	81.22	182.31	10,174.49	-322.19	80.62	322.89	10.27	9.85	-2.96
10,511.00	87.58	180.51	10,180.05	-378.87	79.23	379.56	11.59	11.16	-3.16
10,554.00	88.75	180.01	10,181.43	-421.84	79.04	422.53	2.96	2.72	-1.16
10,657.00	88.95	180.31	10,183.49	-524.82	78.75	525.50	0.35	0.19	0.29
10,752.00	88.82	182.57	10,185.34	-619.77	76.36	620.42	2.38	-0.14	2.38
10,846.00	89.04	182.51	10,187.10	-713.66	72.20	714.27	0.24	0.23	-0.06
10,940.00	89.10	181.17	10,188.62	-807.59	69.18	808.18	1.43	0.06	-1.43
11,034.00	89.02	181.12	10,190.16	-901.56	67.30	902.13	0.10	-0.09	-0.05
11,128.00	89.02	180.94	10,191.77	-995.53	65.61	996.08	0.19	0.00	-0.19
11,223.00	89.08	180.46	10,193.35	-1,090.51	64.45	1,091.04	0.51	0.06	-0.51
11,317.00	89.02	180.24	10,194.91	-1,184.50	63.88	1,185.02	0.24	-0.06	-0.23
11,411.00	88.87	181.28	10,196.64	-1,278.47	62.63	1,278.98	1.12	-0.16	1.11
11,506.00	88.88	181.01	10,198.50	-1,373.44	60.73	1,373.92	0.28	0.01	-0.28
11,600.00	88.56	181.02	10,200.60	-1,467.40	59.07	1,467.87	0.34	-0.34	0.01
11,694.00	88.68	180.45	10,202.87	-1,561.36	57.86	1,561.82	0.62	0.13	-0.61
11,789.00	88.62	180.17	10,205.10	-1,656.33	57.35	1,656.78	0.30	-0.06	-0.29
11,883.00	88.67	180.24	10,207.33	-1,750.31	57.01	1,750.75	0.09	0.05	0.07
11,977.00	88.59	180.44	10,209.57	-1,844.28	56.46	1,844.71	0.23	-0.09	0.21
12,072.00	88.63	181.03	10,211.88	-1,939.24	55.24	1,939.66	0.62	0.04	0.62
12,166.00	88.82	180.75	10,213.97	-2,033.21	53.78	2,033.61	0.36	0.20	-0.30
12,261.00	88.38	180.78	10,216.29	-2,128.17	52.51	2,128.55	0.46	-0.46	0.03
12,355.00	88.25	180.19	10,219.06	-2,222.13	51.71	2,222.50	0.64	-0.14	-0.63
12,450.00	88.19	179.39	10,222.01	-2,317.08	52.06	2,317.45	0.84	-0.06	-0.84
12,544.00	87.74	178.46	10,225.34	-2,411.00	53.82	2,411.39	1.10	-0.48	-0.99
12,639.00	87.67	178.47	10,229.15	-2,505.89	56.37	2,506.29	0.07	-0.07	0.01
12,733.00	87.54	178.69	10,233.08	-2,599.78	58.69	2,600.20	0.27	-0.14	0.23
12,828.00	87.68	178.51	10,237.04	-2,694.67	61.01	2,695.11	0.24	0.15	-0.19
12,922.00	87.53	178.81	10,240.97	-2,788.56	63.21	2,789.01	0.36	-0.16	0.32
13,017.00	88.30	179.13	10,244.42	-2,883.48	64.92	2,883.95	0.88	0.81	0.34
13,112.00	88.38	178.85	10,247.17	-2,978.43	66.59	2,978.90	0.31	0.08	-0.29
13,206.00	88.21	178.60	10,249.97	-3,072.36	68.68	3,072.85	0.32	-0.18	-0.27
13,301.00	88.18	178.52	10,252.96	-3,167.29	71.07	3,167.79	0.09	-0.03	-0.08
13,396.00	88.24	179.15	10,255.93	-3,262.22	73.00	3,262.74	0.67	0.06	0.66
13,490.00	88.41	178.86	10,258.68	-3,356.17	74.63	3,356.70	0.36	0.18	-0.31
13,585.00	88.16	178.73	10,261.52	-3,451.10	76.63	3,451.65	0.30	-0.26	-0.14
13,679.00	88.05	179.10	10,264.63	-3,545.03	78.41	3,545.59	0.41	-0.12	0.39
13,774.00	87.87	178.91	10,268.01	-3,639.96	80.05	3,640.53	0.28	-0.19	-0.20
13,868.00	88.24	179.01	10,271.20	-3,733.89	81.76	3,734.47	0.41	0.39	0.11

Company:	Centennial Resources Development, Inc.	**Local Co-ordinate Reference:**	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	**TVD Reference:**	RKB @ 3647.50usft (H&P 618)
Site:	Hagberry 9 State Com	**MD Reference:**	RKB @ 3647.50usft (H&P 618)
Well:	501H	**North Reference:**	True
Wellbore:	OH / 65385	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (H&P 618)	**Database:**	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,963.00	88.30	178.51	10,274.07	-3,828.82	83.81	3,829.42	0.53	0.06	-0.53
14,058.00	87.99	178.83	10,277.15	-3,923.75	86.02	3,924.36	0.47	-0.33	0.34
14,152.00	87.88	179.28	10,280.53	-4,017.67	87.57	4,018.29	0.49	-0.12	0.48
14,246.00	88.02	180.48	10,283.90	-4,111.61	87.76	4,112.23	1.28	0.15	1.28
14,341.00	88.16	180.51	10,287.06	-4,206.56	86.94	4,207.16	0.15	0.15	0.03
14,435.00	88.24	180.25	10,290.01	-4,300.51	86.32	4,301.10	0.29	0.09	-0.28
14,530.00	88.02	182.01	10,293.11	-4,395.43	84.45	4,396.01	1.87	-0.23	1.85
14,625.00	89.24	180.76	10,295.39	-4,490.38	82.15	4,490.93	1.84	1.28	-1.32
14,719.00	89.19	180.33	10,296.67	-4,584.36	81.26	4,584.90	0.46	-0.05	-0.46
14,814.00	88.45	180.59	10,298.63	-4,679.34	80.50	4,679.87	0.83	-0.78	0.27
14,908.00	89.04	181.00	10,300.69	-4,773.31	79.19	4,773.82	0.76	0.63	0.44
15,002.00	88.82	180.71	10,302.44	-4,867.28	77.79	4,867.78	0.39	-0.23	-0.31
15,097.00	89.39	181.25	10,303.93	-4,962.25	76.17	4,962.73	0.83	0.60	0.57
15,191.00	90.27	180.56	10,304.21	-5,056.24	74.68	5,056.70	1.19	0.94	-0.73
15,285.00	90.27	180.05	10,303.76	-5,150.24	74.18	5,150.69	0.54	0.00	-0.54
15,379.00	90.19	180.30	10,303.39	-5,244.23	73.89	5,244.68	0.28	-0.09	0.27
15,474.00	90.16	180.54	10,303.10	-5,339.23	73.20	5,339.67	0.25	-0.03	0.25
15,568.00	89.95	180.58	10,303.01	-5,433.23	72.28	5,433.66	0.23	-0.22	0.04
15,662.00	89.61	180.58	10,303.37	-5,527.22	71.33	5,527.64	0.36	-0.36	0.00
15,757.00	89.79	180.80	10,303.86	-5,622.21	70.18	5,622.62	0.30	0.19	0.23
15,851.00	89.52	181.17	10,304.43	-5,716.20	68.57	5,716.58	0.49	-0.29	0.39
15,946.00	89.76	180.79	10,305.03	-5,811.18	66.94	5,811.55	0.47	0.25	-0.40
16,040.00	89.44	180.76	10,305.68	-5,905.17	65.67	5,905.52	0.34	-0.34	-0.03
16,135.00	89.59	181.63	10,306.49	-6,000.15	63.69	6,000.47	0.93	0.16	0.92
16,229.00	89.67	180.95	10,307.09	-6,094.12	61.57	6,094.43	0.73	0.09	-0.72
16,323.00	89.28	181.73	10,307.96	-6,188.09	59.38	6,188.37	0.93	-0.41	0.83
16,418.00	89.28	181.92	10,309.15	-6,283.03	56.35	6,283.29	0.20	0.00	0.20
16,512.00	89.21	181.77	10,310.39	-6,376.98	53.32	6,377.20	0.18	-0.07	-0.16
16,607.00	88.78	180.38	10,312.06	-6,471.94	51.54	6,472.14	1.53	-0.45	-1.46
16,701.00	88.11	179.29	10,314.61	-6,565.91	51.81	6,566.11	1.36	-0.71	-1.16
16,795.00	87.71	178.94	10,318.03	-6,659.83	53.26	6,660.04	0.57	-0.43	-0.37
16,890.00	88.30	178.78	10,321.34	-6,754.75	55.15	6,754.98	0.64	0.62	-0.17
16,984.00	87.77	179.31	10,324.56	-6,848.69	56.72	6,848.92	0.80	-0.56	0.56
17,079.00	88.16	178.40	10,327.94	-6,943.61	58.62	6,943.85	1.04	0.41	-0.96
17,173.00	88.27	178.24	10,330.87	-7,037.52	61.37	7,037.79	0.21	0.12	-0.17
17,268.00	87.91	180.17	10,334.03	-7,132.45	62.69	7,132.73	2.07	-0.38	2.03
17,362.00	88.10	179.87	10,337.30	-7,226.40	62.65	7,226.67	0.38	0.20	-0.32
17,457.00	88.11	179.47	10,340.45	-7,321.34	63.20	7,321.61	0.42	0.01	-0.42
17,551.00	88.28	178.79	10,343.41	-7,415.28	64.63	7,415.57	0.75	0.18	-0.72
17,581.00	87.94	178.46	10,344.40	-7,445.26	65.35	7,445.55	1.58	-1.13	-1.10
Final Phoenix MWD Survey									
17,615.00	87.94	178.46	10,345.62	-7,479.22	66.26	7,479.52	0.00	0.00	0.00
Projection to TD									

Company:	Centennial Resources Development, Inc.	**Local Co-ordinate Reference:**	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	**TVD Reference:**	RKB @ 3647.50usft (H&P 618)
Site:	Hagberry 9 State Com	**MD Reference:**	RKB @ 3647.50usft (H&P 618)
Well:	501H	**North Reference:**	True
Wellbore:	OH / 65385	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (H&P 618)	**Database:**	USA Compass

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,856.00	1,855.00	33.93	-47.74	Tie In
2,005.00	2,003.96	35.60	-50.69	First Phoenix MWD Survey
17,581.00	10,344.40	-7,445.26	65.35	Final Phoenix MWDSurvey
17,615.00	10,345.62	-7,479.22	66.26	Projection to TD

Intent [ ] As Drilled [x]

API #
30-025-46136

Operator Name:	Property Name:	Well Number
Centennial Resource Production, LLC	Hagberry 9 State Com	501H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	9	22S	35E		136	N	383	W	Lea

Latitude	Longitude	NAD
32.413150	-103.379913	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	9	22S	35E		632	N	360	W	Lea

Latitude	Longitude	NAD
32.411788	-103.379974	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
E	16	22S	35E		2539	N	329	W	Lea

Latitude	Longitude	NAD
32.392156	-103.380030	83

Is this well the defining well for the Horizontal Spacing Unit? Yes

Is this well an infill well? No

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018