

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

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. 600 N. Marienfeld, Suite 600 Midland, Texas 79701		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW 09/07/19
⁴ API Number 30 – 015-45305	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	
⁶ Pool Code 98220		
⁷ Property Code 322649	⁸ Property Name Riverboat 12-1 WOPA Federal Com	⁹ Well Number 001H

II. ¹⁰ Surface Location

UL or lot no. P	Section 12	Township 24S	Range 26E	Lot Idn	Feet from the 215	North/South Line South	Feet from the 380	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. A	Section 1	Township 24S	Range 26E	Lot Idn	Feet from the 1345	North/South line North	Feet from the 305	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

ni. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
21778	Sunoco R&M P.O. Box 2039 Tulsa, OK 74102	O
36785 305	DCP Midstream, LP 370 17 th Street, Suite 2500 Denver, CO 80202	G

IV. Well Completion Data

²¹ Spud Date 01/02/2019	²² Ready Date 09/07/19	²³ TD 17637'	²⁴ PBDT 17593	²⁵ Perforations 9042-17568'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	418'	600 SX		
12 14"	9 5/8"	1973'	800SX		
8 14"	7 1/2"	17596'	3780		

V. Well Test Data

³¹ Date New Oil 9/14/19	³² Gas Delivery Date 09/12/19	³³ Test Date 09/21/19	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 1290
³⁷ Choke Size 36/64	³⁸ Oil 293	³⁹ Water 5999	⁴⁰ Gas 932		⁴¹ Test Method P

421 hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete for the best of my knowledge and belief.

Signature/ *[Signature]*
Printed Name:
Terri Stathem

Title:
Regulatory
E-mail Address:
tstathem@cimarex.com
Date:
12/21/2019

Phone:
432-6201936

OIL CONSERVATION DIVISION

Approved by:

[Signature]
Engineer

Title:

Approval Date:

03/29/22

District I
1635 N. French Dr., Hobbs, NM 88240
Phone: (575) 395-6051 Fax: (575) 395-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1500 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 354-6178 Fax: (505) 354-6170
District IV
1220 N. St. Francis Dr., Santa Fe, NM 87516
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 30015-45305		2 Pool Code 98220		3 Pool Name Purple Sage Wolfcamp Gas	
4 Property Code 322649		5 Property Name RIVERBOAT 12/1 WDPA FEDERAL COM			6 Well Number 1H
7 OGRID NO. 215099		8 Operator Name CIMAREX ENERGY COMPANY			9 Elevation 3237'

10 Surface Location

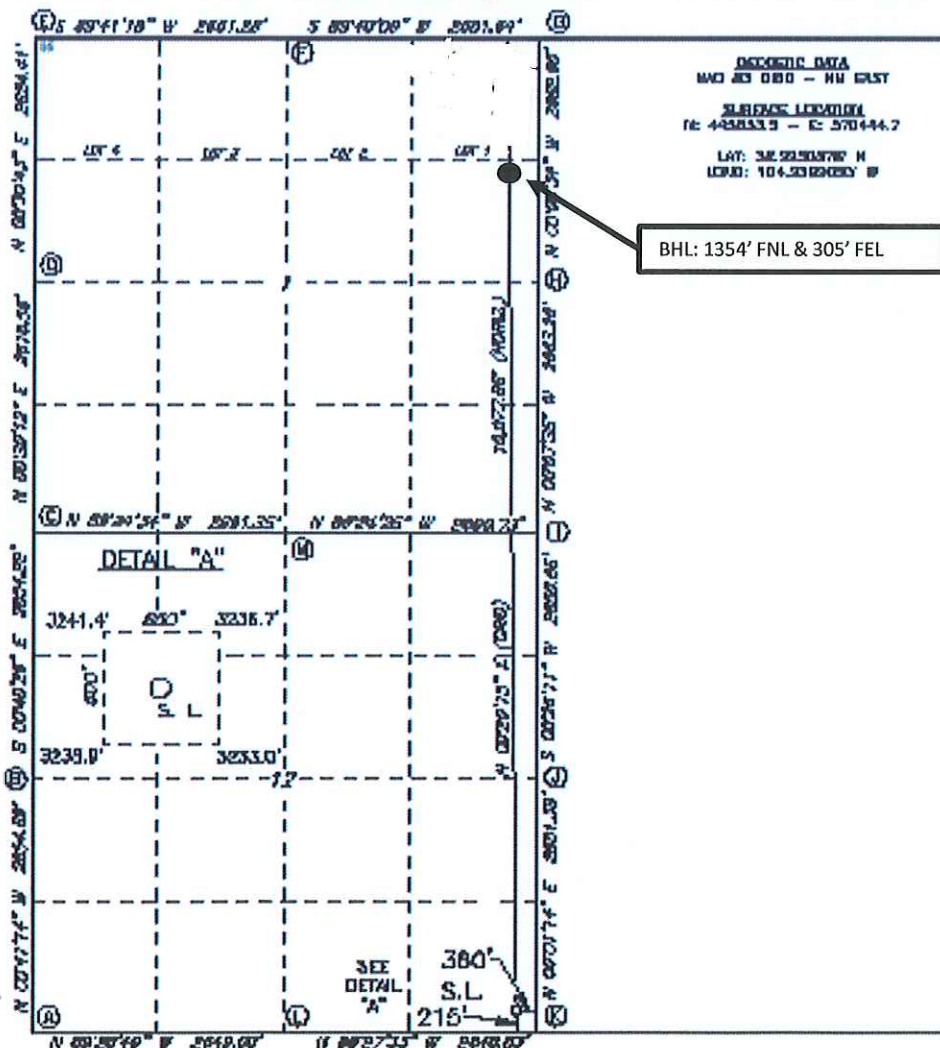
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
P	12	24S	28E		215	SOUTH	380	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
1	1	24S	28E		1354	NORTH	305	EAST	EDDY

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

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



11 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 an undivided 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: *TERRI STATHEM* Date: **12/21/19**
TSTATHEM@CIMAREX.COM
E-mail Address:

12 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.

10-19-2018
Date of Survey
Signature and Seal of Surveyor: *Jeffrey L. Fausler*
10034
Professional Surveyor
10080
Certificate Number
REV. 7/26/18 S.L. B.H. MOVE

Job No.: LS181011D6R

Cimarex



Borehole:		Well:		Field:		Structure:	
Original Borehole		Cimarex Riverboat 12-1 W0PA Fed Com 1H		NM Eddy County (NAD 83)		Cimarex Riverboat 12-1 W0PA Fed Com 1H	
Gravity & Magnetic Parameters				Surface Location			
Model: HDGM 2019 Dip: 69.891° Date: 26-Jul-2019 MagDec: 7.259° FS: 47819.57nT Gravity FS: 998.451mg (0.0005 Based)				NAD83 New Mexico State Plane, Eastern Zone, US Feet Lat: N 32 13 30.32 Lon: W 104 14 21.14 Northing: 446633.2RUS Easting: 570444.7HUS Grid Conv: 0.0502° Scale Fact: 0.99991006			
Miscellaneous				TVD Ref:			
Slat: Cimarex Riverboat 12-1 1 W0PA Fed Com 1H Plan: Cimarex Riverboat 12-1 W0PA Fed Com 1H (Offset) 09-17630N				RKB1263N above MSL Cimarex Riverboat 12-1 W0PA Fed Com 1H (Offset) 09-17630N			

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL 215° FSL 380° FEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9042° MD 306° FEL	9042.00	72.10	358.42	8800.29	466.76	466.19	74.35	12.91
11611° MD 308° FEL	11611.00	88.37	359.84	8844.57	3032.04	3031.51	79.47	1.34
14451° MD 309° FEL	14451.00	94.42	359.95	8844.87	5869.97	5869.44	90.66	2.12
Final Survey	17573.00	87.80	359.26	8823.82	8990.28	8989.87	88.06	2.36
TD, PTB 11354° FNL 305° FEL	17635.00	87.80	359.26	8826.20	9052.22	9051.82	87.26	0.00

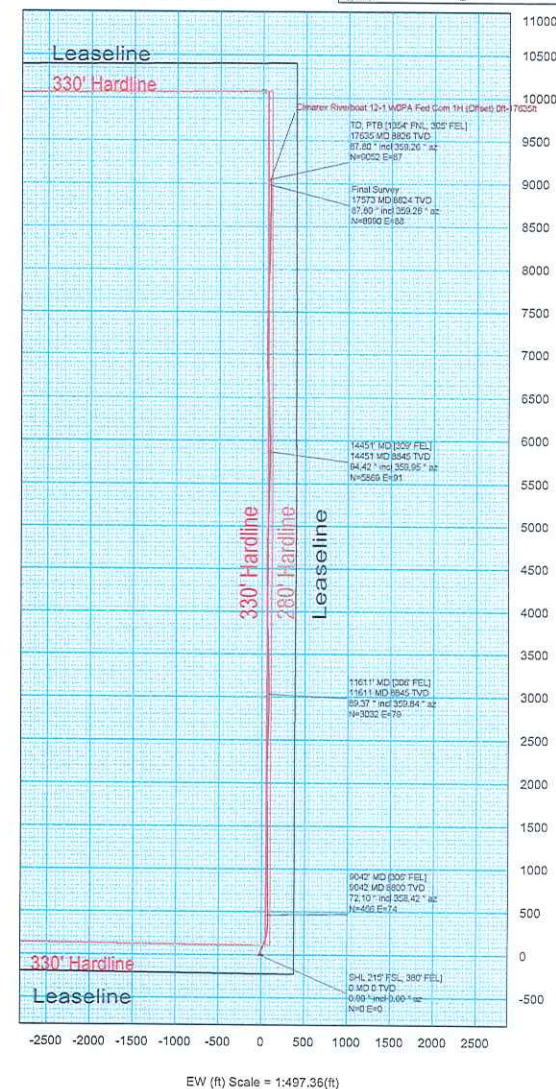
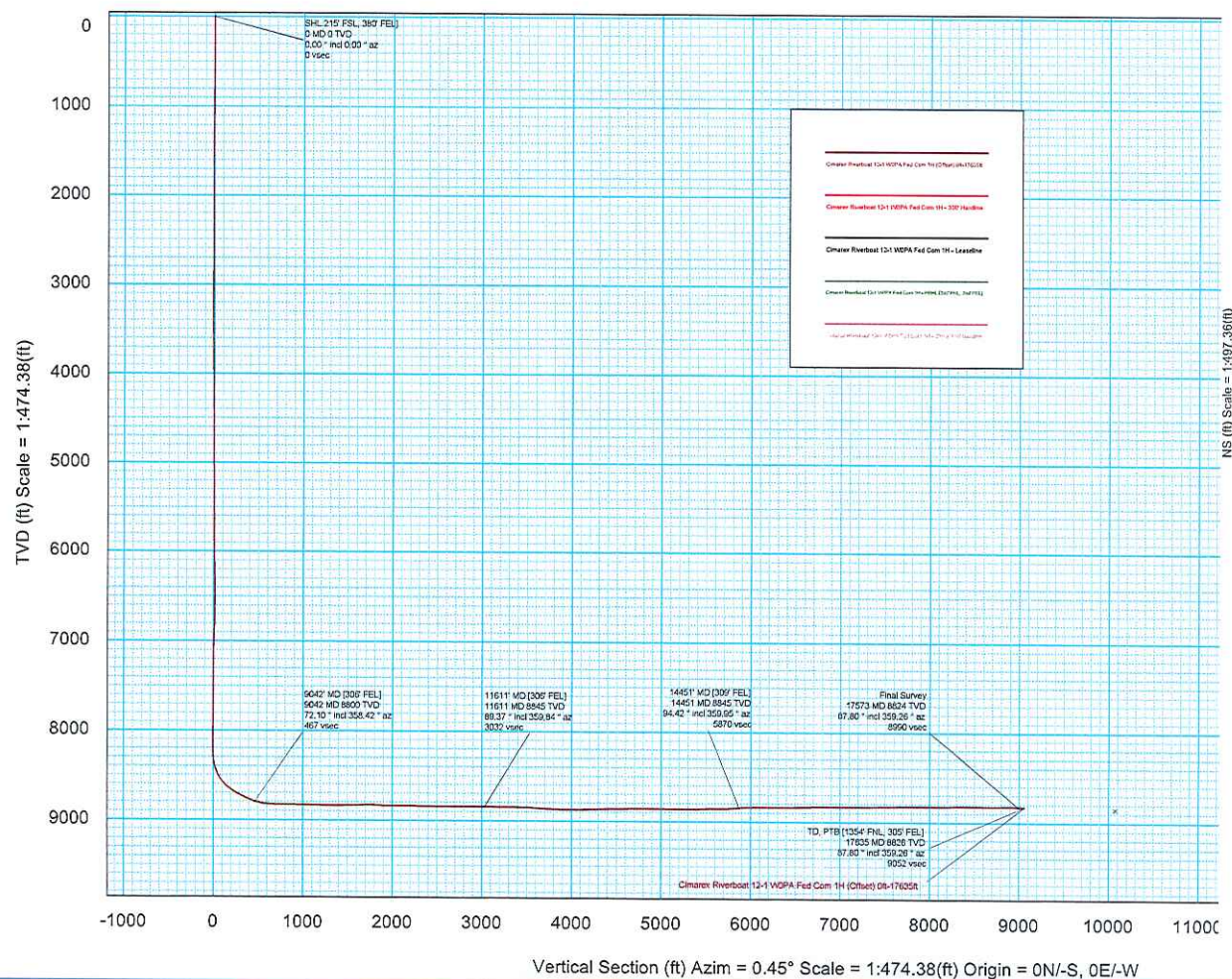


Grid
True Mag
Grid North
Tot Corr (M->G 7.209"
Mag Dec (7.259")
Grid Conv (0.050")

CONTROLLED	
ID	CHAIRMAN'S OFFICE THE WORKS OF THE VIOLENCE \$24310
C	
Plan ref	
Drawing ref	
Copy number	of 3
Date	25-04-2015

1	Client	
2	Client	
3	Office	
4	Office	

Supply number: _____ for _____





Cimarex Riverboat 12-1 W0PA Fed Com 1H (Offset) 0ft-17635ft Survey

Geodetic Report

(Def Survey)

Report Date: July 29, 2019 - 02:10 PM Client: Cimarex Field: NM Eddy County (NAD 83) Structure / Slot: Cimarex Riverboat 12-1 W0PA Fed Com 1H / Cimarex Riverboat 12-1 W0PA Fed Com 1H Well: Cimarex Riverboat 12-1 W0PA Fed Com 1H Borehole: Original Borehole UWI / API#: Unknown / Unknown Survey Name: Cimarex Riverboat 12-1 W0PA Fed Com 1H (Offset) 0ft-17635ft Survey Date: July 26, 2019 Tort / AHD / DDI / ERD Ratio: 259.492 ° / 9223.902 ft / 6.677 / 1.039 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 13' 30.31616", W 104° 14' 21.13751" Location Grid N/E Y/X: N 445633.500 ftUS, E 570444.700 ftUS CRS Grid Convergence Angle: 0.0502 ° Grid Scale Factor: 0.99991006 Version / Patch: 2.10.760.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 0.451 ° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 3263.000 ft above MSL Seabed / Ground Elevation: 3237.000 ft above MSL Magnetic Declination: 7.259 ° Total Gravity Field Strength: 998.4513mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47819.570 nT Magnetic Dip Angle: 59.881 ° Declination Date: July 26, 2019 Magnetic Declination Model: HDGM 2019 North Reference: Grid North Grid Convergence Used: 0.0502 ° Total Corr Mag North->Grid North: 7.2086 ° Local Coord Referenced To: Well Head
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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL 215' FSL, 380' FEL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	445633.50	570444.70	N 32 13 30.32	W 104 14 21.14
	199.00	0.73	62.54	198.99	0.59	0.58	1.12	0.37	445634.08	570445.82	N 32 13 30.32	W 104 14 21.12
	277.00	0.77	87.85	276.99	0.85	0.83	2.09	0.42	445634.33	570446.79	N 32 13 30.32	W 104 14 21.11
	483.00	0.99	113.88	482.96	0.20	0.16	5.10	0.22	445633.66	570449.80	N 32 13 30.32	W 104 14 21.08
	574.00	0.87	118.18	573.95	-0.43	-0.48	6.43	0.15	445633.02	570451.13	N 32 13 30.31	W 104 14 21.06
	666.00	1.13	115.75	665.94	-1.14	-1.20	7.86	0.29	445632.30	570452.56	N 32 13 30.30	W 104 14 21.05
	756.00	1.11	111.96	755.92	-1.84	-1.92	9.47	0.09	445631.59	570454.17	N 32 13 30.30	W 104 14 21.03
	845.00	1.20	111.06	844.90	-2.48	-2.57	11.14	0.10	445630.93	570455.84	N 32 13 30.29	W 104 14 21.01
	940.00	1.01	97.90	939.89	-2.94	-3.04	12.90	0.33	445630.46	570457.59	N 32 13 30.29	W 104 14 20.99
	1034.00	0.39	106.70	1033.88	-3.14	-3.25	14.02	0.67	445630.25	570458.72	N 32 13 30.28	W 104 14 20.97
	1129.00	0.26	187.18	1128.88	-3.44	-3.56	14.31	0.45	445629.94	570459.00	N 32 13 30.28	W 104 14 20.97
	1223.00	0.79	131.97	1222.87	-4.09	-4.20	14.76	0.72	445629.30	570459.46	N 32 13 30.27	W 104 14 20.97
	1317.00	2.32	117.80	1316.84	-5.39	-5.52	16.93	1.67	445627.98	570461.62	N 32 13 30.26	W 104 14 20.94
	1412.00	2.66	116.73	1411.75	-7.25	-7.41	20.59	0.36	445626.09	570465.29	N 32 13 30.24	W 104 14 20.90
	1507.00	0.77	245.87	1506.72	-8.49	-8.66	21.98	3.37	445624.84	570466.68	N 32 13 30.23	W 104 14 20.88
	1696.00	1.14	280.39	1695.69	-8.69	-8.84	18.97	0.35	445624.66	570463.67	N 32 13 30.23	W 104 14 20.92
	1790.00	1.43	279.88	1789.67	-8.34	-8.47	16.90	0.31	445625.03	570461.60	N 32 13 30.23	W 104 14 20.94
	1885.00	1.48	279.10	1884.64	-7.96	-8.08	14.52	0.06	445625.42	570459.22	N 32 13 30.24	W 104 14 20.97
	2064.00	1.65	282.83	2063.57	-7.06	-7.14	9.72	0.11	445626.36	570454.42	N 32 13 30.25	W 104 14 21.02
	2253.00	1.68	285.28	2252.49	-5.77	-5.80	4.40	0.04	445627.70	570449.10	N 32 13 30.26	W 104 14 21.09
	2348.00	1.66	285.62	2347.45	-5.05	-5.07	1.73	0.02	445628.43	570446.43	N 32 13 30.27	W 104 14 21.12
	2537.00	0.48	203.97	2536.42	-5.06	-5.05	-1.23	0.88	445628.45	570443.47	N 32 13 30.27	W 104 14 21.15
	2632.00	0.38	214.34	2631.42	-5.69	-5.68	-1.57	0.13	445627.82	570443.13	N 32 13 30.26	W 104 14 21.16
	2821.00	0.68	216.70	2820.41	-7.11	-7.09	-2.59	0.16	445626.41	570442.11	N 32 13 30.25	W 104 14 21.17
	2915.00	0.61	230.04	2914.40	-7.89	-7.86	-3.31	0.18	445625.64	570441.39	N 32 13 30.24	W 104 14 21.18
	3009.00	0.67	230.93	3008.40	-8.56	-8.53	-4.12	0.06	445624.97	570440.58	N 32 13 30.23	W 104 14 21.19

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	3104.00	1.00	232.62	3103.39	-9.42	-9.38	-5.21	0.35	445624.12	570439.49	N 32 13 30.22	W 104 14 21.20
	3293.00	0.76	47.81	3292.38	-9.59	-9.54	-5.59	0.93	445623.96	570439.11	N 32 13 30.22	W 104 14 21.20
	3387.00	0.76	65.84	3386.37	-8.91	-8.87	-4.56	0.25	445624.63	570440.14	N 32 13 30.23	W 104 14 21.19
	3482.00	0.74	62.75	3481.36	-8.36	-8.33	-3.44	0.05	445625.17	570441.26	N 32 13 30.23	W 104 14 21.18
	3671.00	0.64	69.39	3670.35	-7.41	-7.40	-1.37	0.07	445626.10	570443.33	N 32 13 30.24	W 104 14 21.15
	3860.00	0.84	68.32	3859.33	-6.51	-6.52	0.91	0.11	445626.98	570445.61	N 32 13 30.25	W 104 14 21.13
	3955.00	0.96	53.08	3954.32	-5.76	-5.78	2.19	0.28	445627.72	570446.89	N 32 13 30.26	W 104 14 21.11
	4144.00	0.71	59.68	4143.30	-4.20	-4.24	4.47	0.14	445629.26	570449.17	N 32 13 30.27	W 104 14 21.09
	4333.00	0.94	33.67	4332.28	-2.31	-2.36	6.34	0.23	445631.14	570451.04	N 32 13 30.29	W 104 14 21.06
	4427.00	0.83	40.30	4426.27	-1.14	-1.20	7.21	0.16	445632.30	570451.91	N 32 13 30.30	W 104 14 21.05
	4616.00	0.85	63.19	4615.25	0.55	0.48	9.34	0.18	445633.98	570454.04	N 32 13 30.32	W 104 14 21.03
	4710.00	0.76	83.56	4709.24	0.95	0.86	10.58	0.32	445634.36	570455.28	N 32 13 30.32	W 104 14 21.01
	4899.00	0.49	74.66	4898.23	1.32	1.22	12.61	0.15	445634.72	570457.31	N 32 13 30.33	W 104 14 20.99
	4994.00	0.57	65.99	4993.23	1.62	1.52	13.43	0.12	445635.02	570458.13	N 32 13 30.33	W 104 14 20.98
	5183.00	0.39	66.90	5182.22	2.27	2.15	14.88	0.10	445635.65	570459.58	N 32 13 30.34	W 104 14 20.96
	5277.00	0.35	70.39	5276.22	2.50	2.37	15.45	0.05	445635.87	570460.15	N 32 13 30.34	W 104 14 20.96
	5371.00	0.37	63.53	5370.22	2.73	2.61	15.99	0.05	445636.11	570460.69	N 32 13 30.34	W 104 14 20.95
	5560.00	0.65	25.91	5559.21	3.98	3.84	17.01	0.22	445637.34	570461.70	N 32 13 30.35	W 104 14 20.94
	5655.00	0.74	14.48	5654.20	5.06	4.92	17.39	0.17	445638.42	570462.09	N 32 13 30.36	W 104 14 20.93
	5750.00	0.46	287.64	5749.20	5.77	5.63	17.18	0.89	445639.13	570461.88	N 32 13 30.37	W 104 14 20.94
	5844.00	1.19	284.46	5843.19	6.11	5.99	15.88	0.78	445639.49	570460.58	N 32 13 30.38	W 104 14 20.95
	5939.00	1.87	288.67	5938.15	6.84	6.73	13.46	0.73	445640.23	570458.15	N 32 13 30.38	W 104 14 20.98
	6033.00	2.09	310.52	6032.10	8.42	8.34	10.70	0.83	445641.84	570455.40	N 32 13 30.40	W 104 14 21.01
	6128.00	2.22	318.45	6127.03	10.90	10.84	8.16	0.34	445644.34	570452.86	N 32 13 30.42	W 104 14 21.04
	6222.00	1.32	289.02	6220.99	12.60	12.55	5.93	1.33	445646.05	570450.63	N 32 13 30.44	W 104 14 21.07
	6317.00	1.14	288.50	6315.97	13.24	13.21	4.00	0.19	445646.71	570448.70	N 32 13 30.45	W 104 14 21.09
	6411.00	1.70	293.27	6409.94	14.07	14.06	1.83	0.61	445647.56	570446.53	N 32 13 30.46	W 104 14 21.12
	6506.00	1.57	256.79	6504.90	14.31	14.32	-0.73	1.09	445647.82	570443.97	N 32 13 30.46	W 104 14 21.15
	6694.00	2.31	256.78	6692.79	12.81	12.86	-6.92	0.39	445646.36	570437.78	N 32 13 30.44	W 104 14 21.22
	6883.00	2.71	210.97	6881.63	8.06	8.16	-12.93	1.05	445641.66	570431.77	N 32 13 30.40	W 104 14 21.29
	6978.00	2.15	181.09	6976.55	4.34	4.45	-14.12	1.44	445637.95	570430.58	N 32 13 30.36	W 104 14 21.30
	7072.00	0.57	172.30	7070.52	2.11	2.23	-14.09	1.69	445635.73	570430.61	N 32 13 30.34	W 104 14 21.30
	7167.00	0.28	128.81	7165.51	1.50	1.61	-13.85	0.44	445635.11	570430.85	N 32 13 30.33	W 104 14 21.30
	7261.00	0.36	199.41	7259.51	1.08	1.19	-13.77	0.40	445634.69	570430.93	N 32 13 30.33	W 104 14 21.30
	7356.00	0.41	241.13	7354.51	0.63	0.74	-14.16	0.29	445634.24	570430.54	N 32 13 30.32	W 104 14 21.30
	7450.00	0.87	255.69	7448.50	0.29	0.40	-15.15	0.52	445633.90	570429.55	N 32 13 30.32	W 104 14 21.31
	7544.00	2.79	264.06	7542.45	-0.15	-0.01	-18.12	2.06	445633.49	570426.58	N 32 13 30.32	W 104 14 21.35
	7639.00	0.95	278.40	7637.40	-0.30	-0.13	-21.20	1.98	445633.37	570423.50	N 32 13 30.32	W 104 14 21.38
	7733.00	1.36	313.91	7731.38	0.58	0.76	-22.77	0.86	445634.25	570421.93	N 32 13 30.32	W 104 14 21.40
	7828.00	0.96	242.23	7826.36	0.97	1.17	-24.29	1.47	445634.67	570420.41	N 32 13 30.33	W 104 14 21.42
	7922.00	2.33	203.19	7920.33	-1.16	-0.96	-25.74	1.80	445632.54	570418.96	N 32 13 30.31	W 104 14 21.44
	8017.00	1.48	224.37	8015.27	-3.82	-3.61	-27.36	1.15	445629.89	570417.35	N 32 13 30.28	W 104 14 21.46
	8111.00	0.90	265.28	8109.25	-4.77	-4.54	-28.94	1.06	445628.96	570415.76	N 32 13 30.27	W 104 14 21.47
	8172.00	0.67	285.02	8170.25	-4.72	-4.48	-29.76	0.58	445629.02	570414.94	N 32 13 30.27	W 104 14 21.48
	8286.00	4.79	29.33	8284.12	-0.38	-0.16	-28.07	4.38	445633.34	570416.63	N 32 13 30.31	W 104 14 21.46
	8334.00	8.88	30.49	8331.77	4.58	4.78	-25.21	8.53	445638.28	570419.49	N 32 13 30.36	W 104 14 21.43
	8365.00	12.15	26.51	8362.24	9.59	9.76	-22.54	10.80	445643.26	570422.16	N 32 13 30.41	W 104 14 21.40
	8397.00	15.57	25.60	8393.31	16.50	16.65	-19.18	10.71	445650.15	570425.52	N 32 13 30.48	W 104 14 21.36
	8428.00	18.97	25.82	8422.90	24.82	24.94	-15.19	10.97	445658.44	570429.51	N 32 13 30.56	W 104 14 21.31
	8459.00	22.41	25.19	8451.90	34.75	34.83	-10.48	11.12	445668.33	570434.23	N 32 13 30.66	W 104 14 21.26
	8491.00	26.14	26.07	8481.07	46.65	46.68	-4.78	11.71	445680.18	570439.92	N 32 13 30.78	W 104 14 21.19
	8522.00	30.00	25.72	8508.41	59.82	59.81	1.59	12.46	445693.30	570446.29	N 32 13 30.91	W 104 14 21.12
	8570.00	35.80	22.10	8548.70	83.74	83.65	12.09	12.75	445717.14	570456.79	N 32 13 31.14	W 104 14 21.00
	8617.00	40.69	19.79	8585.61	110.99	110.82	22.45	10.84	445744.31	570467.15	N 32 13 31.41	W 104 14 20.88
	8664.00	46.75	18.53	8619.56	141.75	141.49	33.09	13.03	445774.98	570477.79	N 32 13 31.72	W 104 14 20.75
	8711.00	52.98	17.88	8649.84	175.96	175.61	44.30	13.30	445809.10	570489.00	N 32 13 32.05	W 104 14 20.62
	8758.00	58.12	16.31	8676.42	213.08	212.65	55.67	11.28	445846.13	570500.37	N 32 13 32.42	W 104 14 20.49
	8806.00	62.27	10.57	8700.29	253.64	253.13	65.30	13.50	445886.61	570510.00	N 32 13 32.82	W 104 14 20.37

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
9042' MD [306' FEL]	8853.00	63.05	3.92	8721.89	295.06	294.52	70.56	12.68	445927.99	570515.25	N 32 13 33.23	W 104 14 20.31
	8900.00	63.43	3.03	8743.05	336.97	336.41	73.10	1.87	445969.88	570517.79	N 32 13 33.64	W 104 14 20.28
	8947.00	64.68	1.08	8763.62	379.21	378.64	74.61	4.58	446012.10	570519.30	N 32 13 34.06	W 104 14 20.27
	8995.00	66.20	359.93	8783.57	422.87	422.29	74.99	3.84	446055.75	570519.69	N 32 13 34.49	W 104 14 20.26
	9042.00	72.10	358.42	8800.29	466.76	466.19	74.35	12.91	446099.65	570519.04	N 32 13 34.93	W 104 14 20.27
	9089.00	78.56	358.81	8812.19	512.18	511.62	73.25	13.77	446145.07	570517.95	N 32 13 35.38	W 104 14 20.28
	9136.00	81.04	358.28	8820.51	558.41	557.86	72.08	5.39	446191.31	570516.77	N 32 13 35.84	W 104 14 20.29
	9184.00	85.03	358.33	8826.33	606.01	605.47	70.67	8.31	446238.92	570515.36	N 32 13 36.31	W 104 14 20.31
	9208.00	87.21	358.90	8827.95	629.94	629.41	70.09	9.39	446262.85	570514.78	N 32 13 36.54	W 104 14 20.32
	9245.00	88.68	359.54	8829.28	666.91	666.38	69.59	4.33	446299.82	570514.28	N 32 13 36.91	W 104 14 20.32
	9340.00	89.09	359.80	8831.13	761.88	761.36	69.04	0.51	446394.79	570513.73	N 32 13 37.85	W 104 14 20.33
	9435.00	89.07	359.71	8832.65	856.86	856.35	68.63	0.10	446489.77	570513.33	N 32 13 38.79	W 104 14 20.33
	9529.00	88.86	359.75	8834.35	950.84	950.33	68.19	0.23	446583.74	570512.89	N 32 13 39.72	W 104 14 20.33
	9624.00	89.22	0.02	8835.94	1045.82	1045.32	68.00	0.47	446678.72	570512.70	N 32 13 40.66	W 104 14 20.34
	9718.00	89.94	0.16	8836.63	1139.82	1139.31	68.15	0.78	446772.71	570512.84	N 32 13 41.59	W 104 14 20.33
	9813.00	87.87	359.63	8838.45	1234.79	1234.29	67.98	2.25	446867.68	570512.67	N 32 13 42.53	W 104 14 20.33
	9907.00	89.22	359.85	8840.84	1328.75	1328.26	67.55	1.46	446961.64	570512.24	N 32 13 43.46	W 104 14 20.34
	10002.00	90.65	359.51	8840.94	1423.74	1423.25	67.02	1.55	447056.62	570511.71	N 32 13 44.40	W 104 14 20.34
	10096.00	91.41	358.99	8839.25	1517.70	1517.23	65.79	0.98	447150.59	570510.48	N 32 13 45.33	W 104 14 20.36
	10191.00	91.60	358.96	8836.76	1612.64	1612.18	64.09	0.20	447245.53	570508.78	N 32 13 46.27	W 104 14 20.37
	10285.00	91.92	359.01	8833.87	1706.56	1706.12	62.42	0.34	447339.47	570507.12	N 32 13 47.20	W 104 14 20.39
	10380.00	87.73	358.75	8834.16	1801.50	1801.08	60.57	4.42	447434.42	570505.26	N 32 13 48.14	W 104 14 20.41
	10474.00	86.94	358.96	8838.53	1895.36	1894.96	58.69	0.87	447528.29	570503.39	N 32 13 49.07	W 104 14 20.43
	10569.00	89.45	0.31	8841.52	1990.30	1989.90	58.09	3.00	447623.22	570502.78	N 32 13 50.01	W 104 14 20.44
	10663.00	89.56	0.33	8842.34	2084.29	2083.90	58.61	0.12	447717.21	570503.31	N 32 13 50.94	W 104 14 20.43
	10758.00	91.08	1.05	8841.81	2179.29	2178.89	59.76	1.77	447812.19	570504.45	N 32 13 51.88	W 104 14 20.42
	10852.00	88.24	1.00	8842.36	2273.27	2272.86	61.44	3.02	447906.15	570506.13	N 32 13 52.81	W 104 14 20.40
	10948.00	88.58	1.21	8845.03	2369.23	2368.80	63.29	0.42	448002.09	570507.98	N 32 13 53.76	W 104 14 20.38
	11043.00	89.62	1.73	8846.52	2464.20	2463.76	65.73	1.22	448097.03	570510.42	N 32 13 54.69	W 104 14 20.35
	11137.00	89.11	1.83	8847.56	2558.17	2557.71	68.65	0.55	448190.97	570513.34	N 32 13 55.62	W 104 14 20.31
	11232.00	90.83	2.64	8847.61	2653.12	2652.63	72.35	2.00	448285.89	570517.04	N 32 13 56.56	W 104 14 20.27
	11327.00	90.13	1.57	8846.81	2748.07	2747.56	75.84	1.35	448380.81	570520.53	N 32 13 57.50	W 104 14 20.23
	11422.00	91.14	1.00	8845.76	2843.06	2842.53	77.97	1.22	448475.77	570522.66	N 32 13 58.44	W 104 14 20.20
	11516.00	90.47	0.49	8844.44	2937.05	2936.51	79.19	0.90	448569.74	570523.88	N 32 13 59.37	W 104 14 20.19
11611' MD [306' FEL]	11611.00	89.37	359.84	8844.57	3032.04	3031.51	79.47	1.34	448664.73	570524.16	N 32 14 0.31	W 104 14 20.18
	11706.00	87.92	359.36	8846.82	3127.00	3126.48	78.80	1.61	448759.69	570523.49	N 32 14 1.25	W 104 14 20.19
	11801.00	88.29	359.03	8849.96	3221.93	3221.42	77.47	0.52	448854.62	570522.16	N 32 14 2.19	W 104 14 20.20
	11896.00	90.41	359.18	8851.04	3316.89	3316.39	75.98	2.24	448949.59	570520.68	N 32 14 3.13	W 104 14 20.22
	11990.00	88.70	359.04	8851.77	3410.86	3410.38	74.52	1.83	449043.56	570519.22	N 32 14 4.06	W 104 14 20.24
	12085.00	89.46	358.90	8853.30	3505.81	3505.35	72.82	0.81	449138.53	570517.51	N 32 14 5.00	W 104 14 20.25
	12179.00	86.74	358.38	8856.41	3599.70	3599.26	70.59	2.95	449232.43	570515.28	N 32 14 5.93	W 104 14 20.28
	12274.00	86.97	358.38	8861.62	3694.50	3694.08	67.91	0.24	449327.24	570512.60	N 32 14 6.87	W 104 14 20.31
	12369.00	87.03	358.59	8866.60	3789.31	3788.92	65.40	0.23	449422.07	570510.09	N 32 14 7.81	W 104 14 20.34
	12464.00	87.46	359.22	8871.16	3884.17	3883.79	63.58	0.80	449516.93	570508.28	N 32 14 8.75	W 104 14 20.36
	12559.00	88.49	0.09	8874.52	3979.10	3978.73	63.01	1.42	449611.86	570507.71	N 32 14 9.69	W 104 14 20.36
	12653.00	90.00	0.30	8875.76	4073.09	4072.71	63.33	1.62	449705.84	570508.03	N 32 14 10.62	W 104 14 20.36
	12748.00	92.02	0.32	8874.08	4168.07	4167.69	63.85	2.13	449800.81	570508.54	N 32 14 11.56	W 104 14 20.35
	12843.00	92.65	0.26	8870.21	4262.99	4262.61	64.33	0.67	449895.72	570509.02	N 32 14 12.49	W 104 14 20.35
	12937.00	91.80	0.01	8866.56	4356.54	4356.16	64.55	0.94	449989.64	570509.24	N 32 14 13.42	W 104 14 20.34
	13031.00	91.27	359.63	8864.04	4450.87	4450.51	64.25	0.69	450083.60	570508.95	N 32 14 14.35	W 104 14 20.34
	13126.00	90.54	358.84	8862.54	4545.84	4545.48	62.99	1.13	450178.57	570507.68	N 32 14 15.29	W 104 14 20.36
	13221.00	90.95	0.36	8861.31	4640.82	4640.47	62.32	1.66	450273.54	570507.02	N 32 14 16.23	W 104 14 20.36
	13316.00	90.72	0.96	8859.92	4735.81	4735.45	63.42	0.68	450368.52	570508.11	N 32 14 17.17	W 104 14 20.35
	13410.00	88.52	0.82	8860.55	4829.80	4829.43	64.88	2.35	450462.49	570509.57	N 32 14 18.10	W 104 14 20.33
	13505.00	91.39	1.66	8860.62	4924.78	4924.40	66.93	3.15	450557.45	570511.63	N 32 14 19.04	W 104 14 20.31
	13600.00	88.89	1.48	8860.39	5019.75	5019.36	69.53	2.64	450652.40	570514.23	N 32 14 19.98	W 104 14 20.28

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
14451' MD [309' FEL]	13694.00	89.11	1.16	8862.03	5113.72	5113.32	71.70	0.41	450746.35	570516.39	N 32 14 20.91	W 104 14 20.25
	13789.00	89.54	1.70	8863.15	5208.70	5208.28	74.07	0.73	450841.30	570518.76	N 32 14 21.85	W 104 14 20.22
	13884.00	89.72	1.67	8863.76	5303.68	5303.24	76.86	0.19	450936.25	570521.56	N 32 14 22.79	W 104 14 20.19
	13978.00	91.65	1.85	8862.64	5397.64	5397.18	79.75	2.06	451030.19	570524.44	N 32 14 23.72	W 104 14 20.15
	14073.00	91.74	1.84	8859.83	5492.57	5492.09	82.81	0.10	451125.09	570527.50	N 32 14 24.66	W 104 14 20.12
	14167.00	90.39	1.32	8858.08	5586.54	5586.04	85.40	1.54	451219.02	570530.09	N 32 14 25.59	W 104 14 20.09
	14262.00	89.74	1.20	8857.97	5681.53	5681.01	87.49	0.70	451313.99	570532.18	N 32 14 26.53	W 104 14 20.06
	14356.00	95.86	1.36	8853.39	5775.36	5774.83	89.58	6.51	451407.80	570534.28	N 32 14 27.46	W 104 14 20.04
	14451.00	94.42	359.95	8844.87	5869.97	5869.44	90.66	2.12	451502.40	570535.36	N 32 14 28.39	W 104 14 20.02
	14546.00	90.92	359.21	8840.45	5964.84	5964.32	89.97	3.77	451597.27	570534.66	N 32 14 29.33	W 104 14 20.03
	14641.00	90.82	358.45	8839.01	6059.79	6059.29	88.03	0.81	451692.23	570532.72	N 32 14 30.27	W 104 14 20.05
	14736.00	88.27	357.33	8839.76	6154.69	6154.21	84.53	2.93	451787.15	570529.22	N 32 14 31.21	W 104 14 20.09
	14830.00	91.49	357.97	8839.96	6248.56	6248.12	80.68	3.49	451881.04	570525.37	N 32 14 32.14	W 104 14 20.13
	14925.00	89.38	358.06	8839.24	6343.47	6343.05	77.39	2.22	451975.97	570522.08	N 32 14 33.08	W 104 14 20.17
	15020.00	91.90	358.61	8838.18	6438.39	6438.00	74.63	2.72	452070.91	570519.32	N 32 14 34.02	W 104 14 20.20
	15115.00	89.61	357.19	8836.92	6533.28	6532.92	71.15	2.84	452165.82	570515.84	N 32 14 34.96	W 104 14 20.24
	15210.00	92.12	357.84	8835.49	6628.13	6627.81	67.03	2.73	452260.70	570511.72	N 32 14 35.90	W 104 14 20.29
	15304.00	91.74	357.73	8832.32	6721.98	6721.69	63.40	0.42	452354.57	570508.09	N 32 14 36.83	W 104 14 20.33
	15399.00	88.85	357.32	8831.83	6816.84	6816.59	59.29	3.07	452449.46	570503.99	N 32 14 37.77	W 104 14 20.38
	15494.00	90.25	358.25	8832.58	6911.73	6911.51	55.62	1.77	452544.37	570500.32	N 32 14 38.71	W 104 14 20.42
	15588.00	90.36	0.44	8832.08	7005.71	7005.50	54.55	2.33	452638.35	570499.24	N 32 14 39.64	W 104 14 20.43
	15683.00	90.09	359.27	8831.71	7100.70	7100.49	54.31	1.26	452733.34	570499.00	N 32 14 40.58	W 104 14 20.43
	15778.00	89.51	359.94	8832.04	7195.69	7195.49	53.65	0.93	452828.33	570498.35	N 32 14 41.52	W 104 14 20.44
	15873.00	91.08	1.34	8831.55	7290.68	7290.48	54.71	2.21	452923.31	570499.41	N 32 14 42.46	W 104 14 20.43
	15968.00	91.12	1.10	8829.73	7385.66	7385.44	56.74	0.26	453018.26	570501.43	N 32 14 43.40	W 104 14 20.40
	16063.00	90.73	0.94	8828.19	7480.64	7480.41	58.43	0.44	453113.22	570503.12	N 32 14 44.34	W 104 14 20.38
	16157.00	90.69	0.59	8827.03	7574.63	7574.39	59.68	0.37	453207.20	570504.38	N 32 14 45.27	W 104 14 20.37
	16251.00	90.43	1.77	8826.11	7668.62	7668.37	61.62	1.29	453301.16	570506.31	N 32 14 46.20	W 104 14 20.34
	16346.00	90.13	2.14	8825.64	7763.58	7763.31	64.86	0.50	453396.10	570509.55	N 32 14 47.13	W 104 14 20.30
	16440.00	89.92	2.39	8825.60	7857.53	7857.24	68.57	0.35	453490.02	570513.27	N 32 14 48.06	W 104 14 20.26
	16534.00	90.09	2.32	8825.60	7951.48	7951.16	72.44	0.20	453583.93	570517.13	N 32 14 48.99	W 104 14 20.21
	16629.00	90.33	2.19	8825.25	8046.44	8046.08	76.17	0.29	453678.84	570520.87	N 32 14 49.93	W 104 14 20.17
	16723.00	91.03	2.17	8824.13	8140.39	8140.01	79.75	0.74	453772.76	570524.44	N 32 14 50.86	W 104 14 20.13
	16818.00	90.78	1.21	8822.63	8235.35	8234.96	82.55	1.04	453867.70	570527.24	N 32 14 51.80	W 104 14 20.09
	16912.00	90.00	0.68	8821.99	8329.34	8328.94	84.10	1.00	453961.67	570528.79	N 32 14 52.73	W 104 14 20.07
	17006.00	89.68	0.47	8822.25	8423.34	8422.93	85.04	0.41	454055.66	570529.74	N 32 14 53.66	W 104 14 20.06
	17101.00	90.32	0.53	8822.25	8518.34	8517.93	85.87	0.68	454150.65	570530.57	N 32 14 54.60	W 104 14 20.05
	17196.00	89.78	0.77	8822.17	8613.34	8612.92	86.95	0.62	454245.63	570531.64	N 32 14 55.54	W 104 14 20.04
	17290.00	89.03	0.61	8823.15	8707.33	8706.91	88.08	0.82	454339.61	570532.78	N 32 14 56.47	W 104 14 20.02
	17384.00	91.21	0.27	8822.95	8801.33	8800.90	88.81	2.35	454433.59	570533.50	N 32 14 57.40	W 104 14 20.01
	17479.00	89.96	359.78	8821.98	8896.32	8895.89	88.85	1.41	454528.58	570533.54	N 32 14 58.34	W 104 14 20.01
	17573.00	87.80	359.26	8823.82	8990.28	8989.87	88.06	2.36	454622.54	570532.75	N 32 14 59.27	W 104 14 20.02
Final Survey TD, PTB [1354' FNL, 305' FEL]	17635.00	87.80	359.26	8826.20	9052.22	9051.82	87.26	0.00	454684.48	570531.95	N 32 14 59.88	W 104 14 20.03

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
		1	0.000	26.000	1/98.425	30.000	30.000	NAL_MWD_IFR1+MS-Depth Only		Original Borehole / Cimarex Riverboat 12-1 W0PA Fed Com 1H (Offset) 0ft-17635ft		
		1	26.000	26.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS-Depth Only		Original Borehole / Cimarex Riverboat 12-1 W0PA Fed Com 1H (Offset) 0ft-17635ft		
		1	26.000	17635.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS		Original Borehole / Cimarex Riverboat 12-1 W0PA Fed Com		

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMLC064200
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 N. MARIENFELD ST, STE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. RIVERBOAT 12/1 WOPA FED COM 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T24S R26E Mer 1PM SESE 285FSL 449FEL		9. API Well No. 30-015-45305
		10. Field and Pool or Exploratory Area PURPLE SAGE WOLFCAMP GAS
		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Completion Ops:

08/12/19 Test csg to 9800# psi for 30 mins. Chart. OK.

08/23/19 to

09/06/19 Perf Wolfcamp @ 9042-17568', 957 holes. Frac w/ 405842 bbls total fluid; 20654498# sand.

09/07/19 Mill out plugs & CO to PBTD: 17593'. Flowback well.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #496848 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad	
Name (Printed/Typed) TERRI STATHEM	Title MANAGER REGULATORY COMPLIANCE
Signature (Electronic Submission)	Date 12/21/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC064200

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
RIVERBOAT 12/1 W0PA FED COM 1H9. API Well No.
30-015-4530510. Field and Pool, or Exploratory
PURPLE SAGE WOLFCAMP GAS11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T24S R26E Mer 1PM12. County or Parish
EDDY13. State
NM17. Elevations (DF, KB, RT, GL)*
3237 GL1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____2. Name of Operator
CIMAREX ENERGY COMPANY Contact: TERRI STATHEM
E-Mail: tstathem@cimarex.com3. Address 600 N. MARIENFELD ST, STE 600
MIDLAND, TX 79701 3a. Phone No. (include area code)
Ph: 432-620-19364. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 12 T24S R26E Mer 1PM
SESE 215FSL 380FEL 32.225089 N Lat, 104.239200 W Lon
At top prod interval reported below Sec 12 T24S R26E Mer 1PM
SESE 215FSL 380FEL 32.225089 N Lat, 104.239200 W Lon
At total depth Sec 1 T24S R26E Mer 1PM
SENE 1354FNL 305FWL 32.249967 N Lat, 104.238897 W Lon14. Date Spudded
01/02/2019 15. Date T.D. Reached
01/18/2019 16. Date Completed
☐ D & A ☒ Ready to Prod.
09/07/201918. Total Depth: MD 17635
TVD 8826 19. Plug Back T.D.: MD 17593
TVD 8826 20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	418		600		0	0
12.250	9.625 J55	36.0	0	1973		800		0	0
8.750	5.500 P110	20.0	0	17596		3780		0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9042	17568	9042 TO 17568	0.420	957	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9042 TO 17568	405842 BBLs TOTAL FLUID; 20654498# SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/14/2019	09/21/2019	24	→	293.0	932.0	5999.0	44.9		FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
36	0	1290.0	→	293	932	5999	3180	PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #496850 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
DELAWARE BONE SPRING WOLFCAMP	2071 5394 8708	2071 8708 17635	SANDSTONE; OIL WATER GAS SANDSTONE OIL GAS WATER SHALE GAS OIL WATER	RUSTLER DELAWARE WOLFCAMP	0 2071 8708

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #496850 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission) Date 12/21/2019

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 85851

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 85851
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 85851

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 85851
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
llowe	None	3/29/2022