

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

HOBBS

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State of New Mexico

Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

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Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025 31483	¹ API Number 42221	² Pool Code 53805	³ Pool Name Sand Dunes	⁴ Wildcat, Bone Spring South
⁵ Property Name JAMES 19 FEDERAL	⁶ Well Number 30H			
⁷ OGRIID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3654'		

¹⁰Surface Location

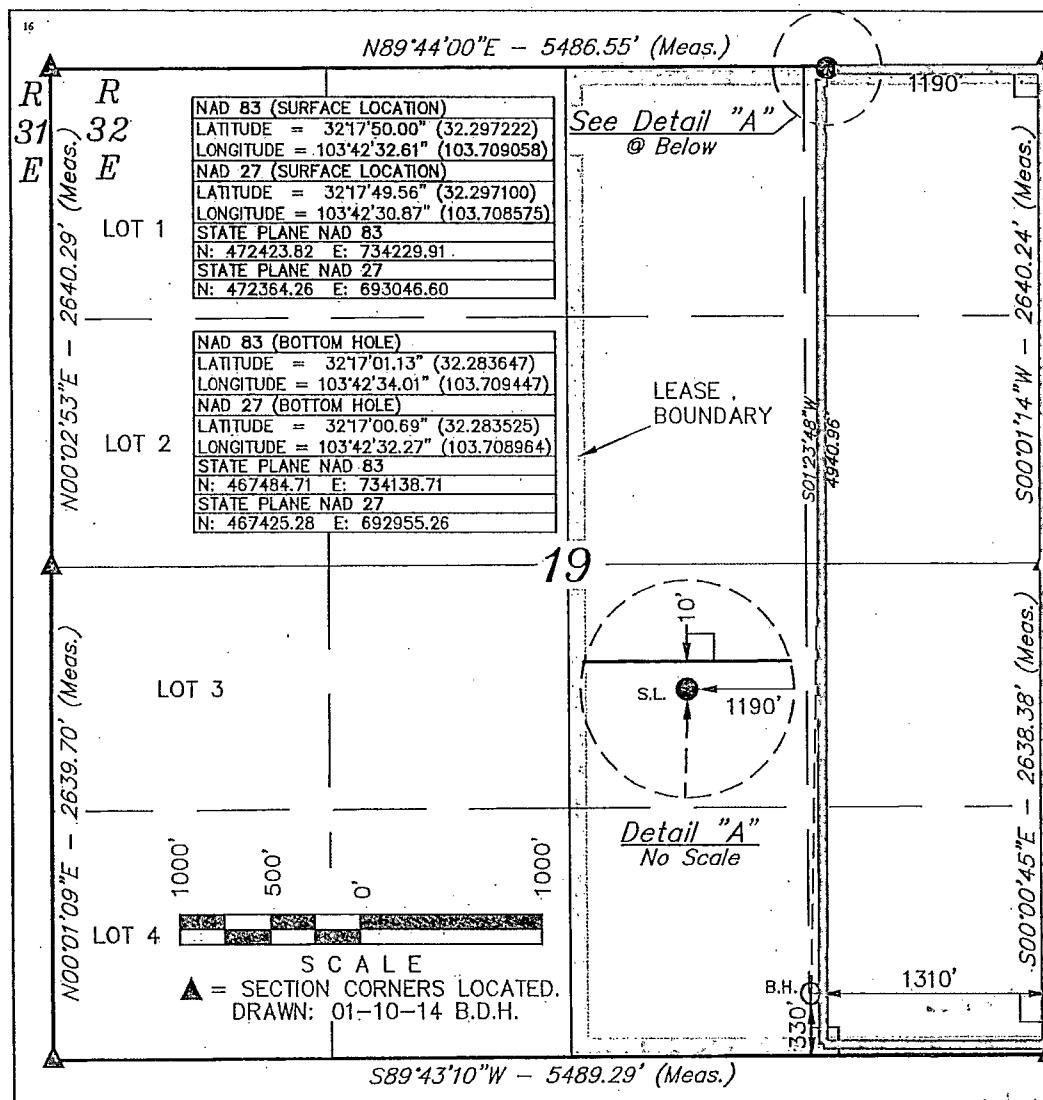
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	19	23S	32E		10	NORTH	1190	EAST	LEA

¹¹Bottom 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
P	19	23S	32E		330	SOUTH	1310	EAST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	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 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] 12/09/13
Signature Date

Hope Knauls

Printed Name
hknauls@cimarex.com

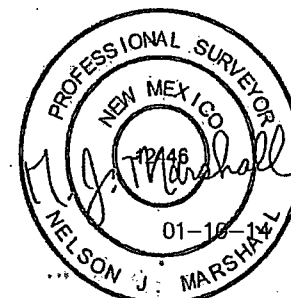
E-mail Address

¹⁷ 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, 2013

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

NOV 04 2014

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23
S

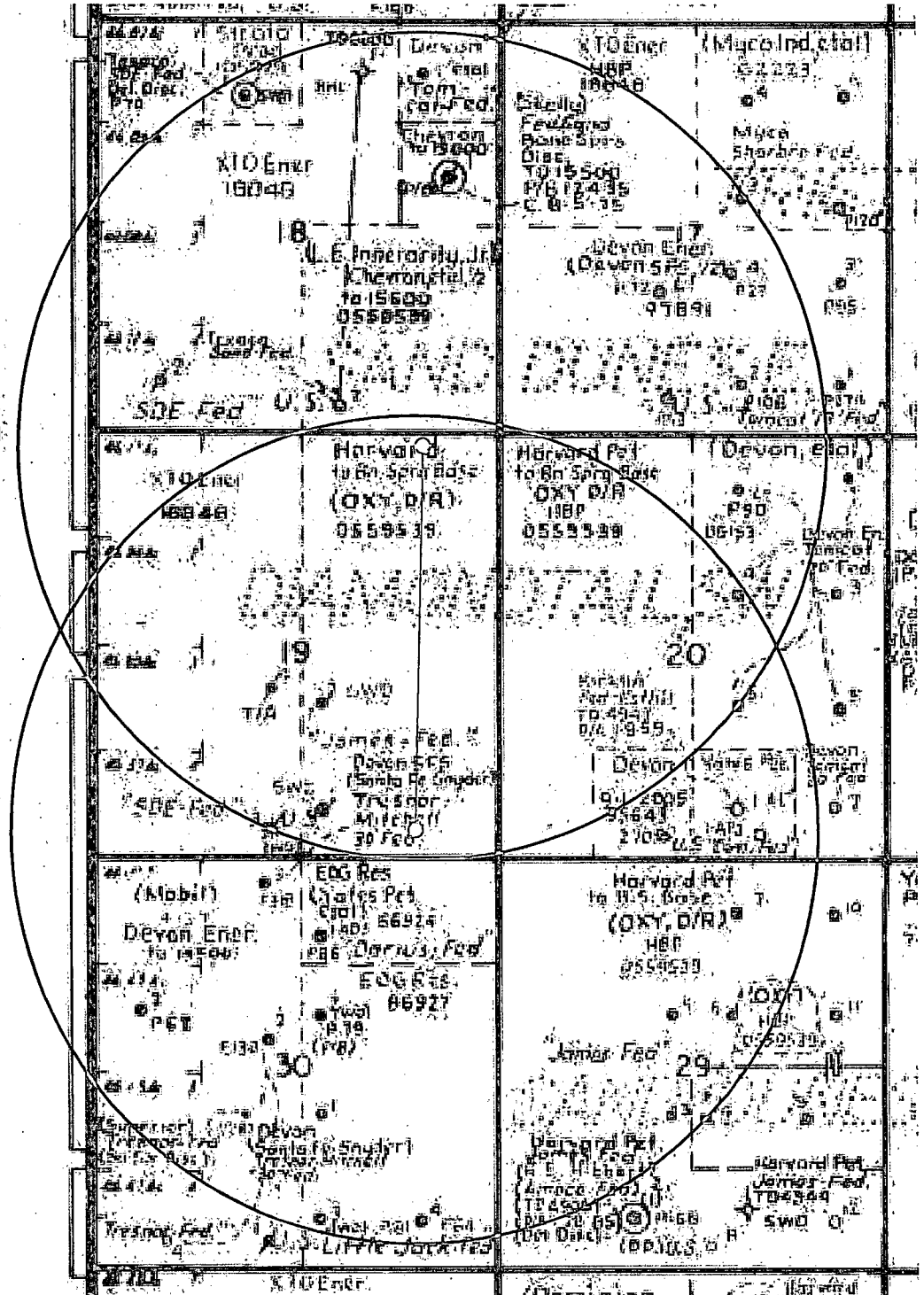
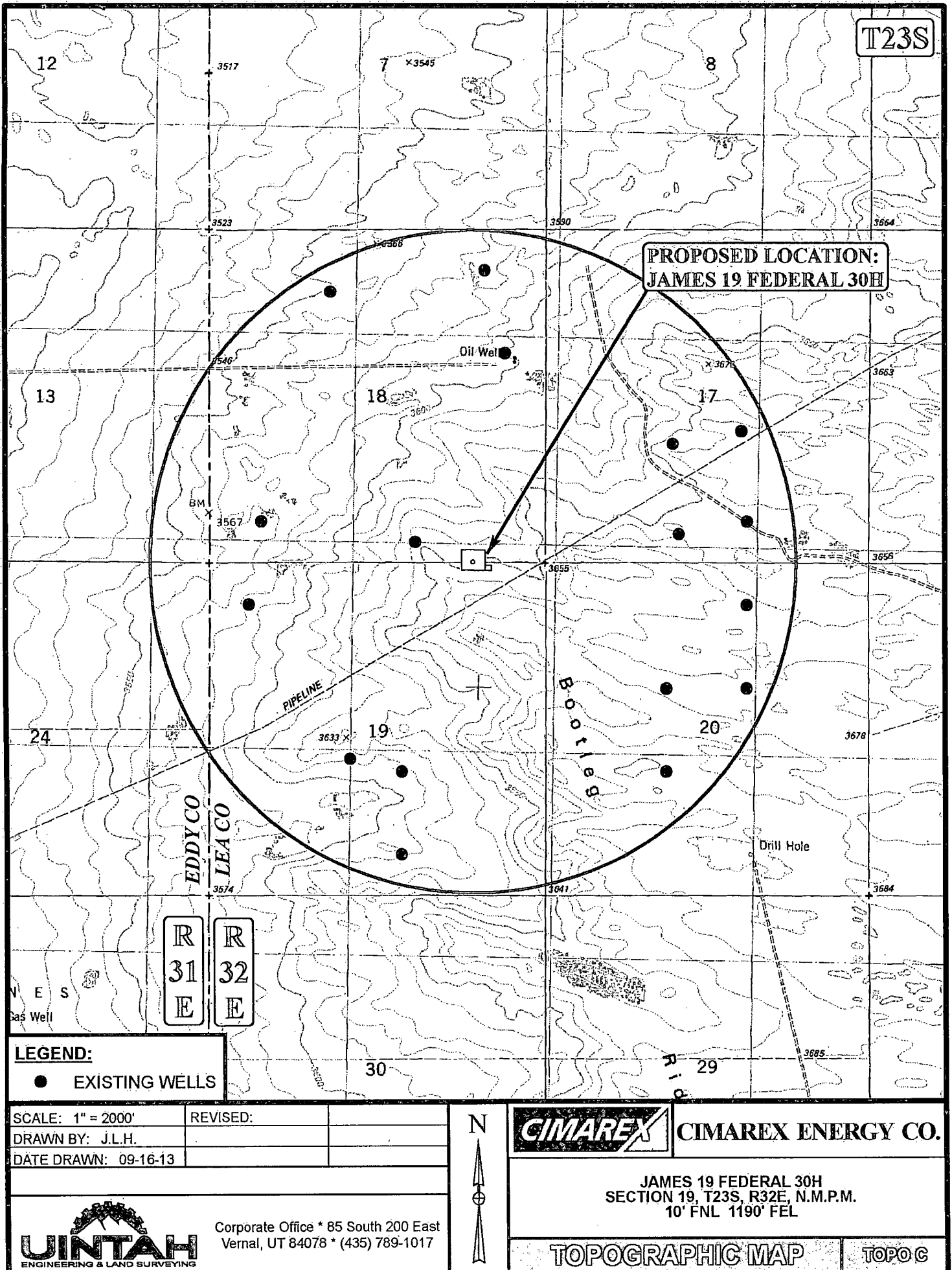
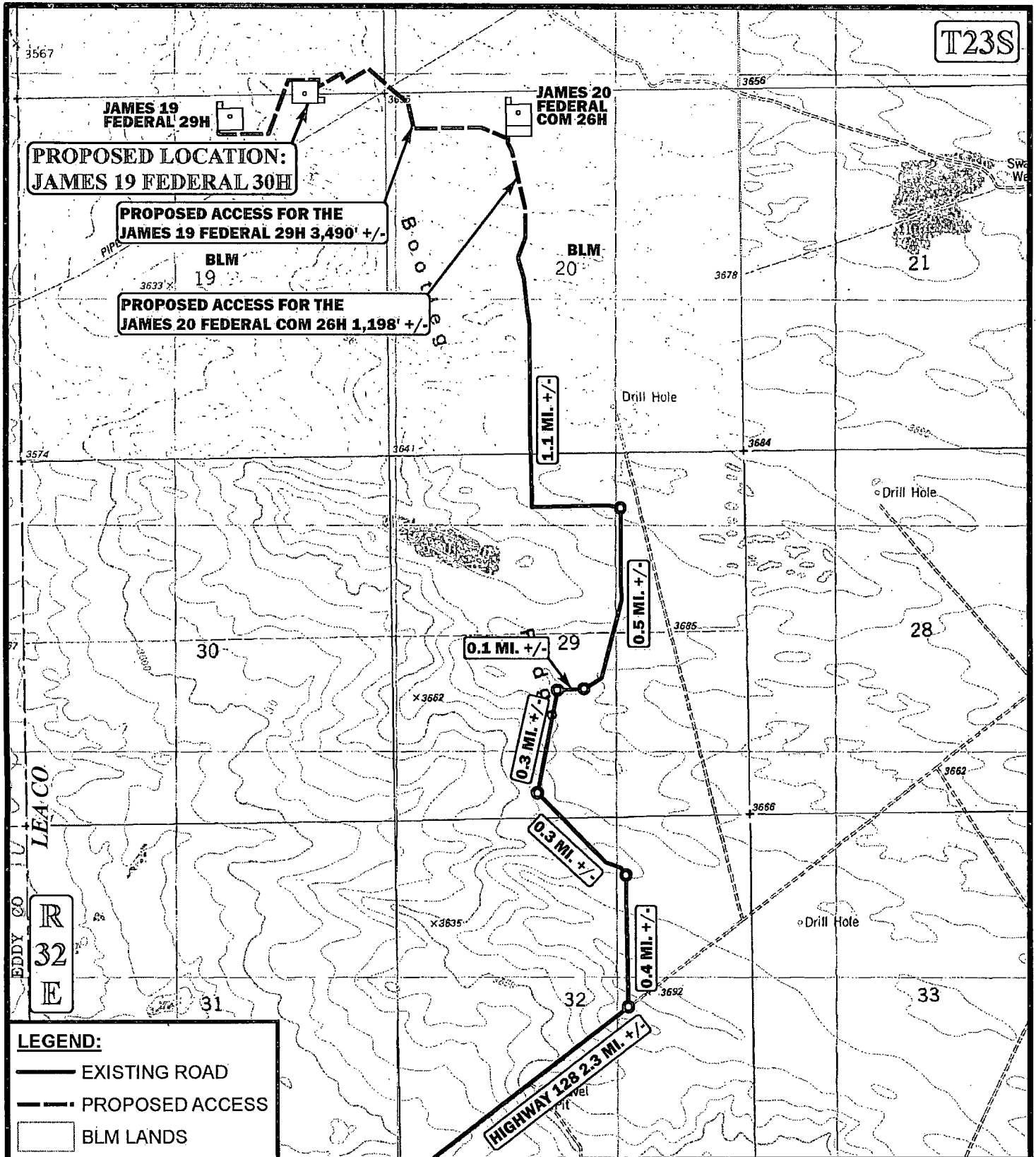


Exhibit A – One Mile Radius Map
James 19 Federal 30H
 Cimarex Energy Company
 19-23S-32E
 SHL 10 FNL & 1190 FEL
 BHL330 FSL & 1320 FEL
 Lea County, NM





*PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'	REVISED: 10-08-13
DRAWN BY: J.L.H.	REV:10-17-13J.L.G.
DATE DRAWN: 09-16-13	



CIMAREX ENERGY CO.

JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL

ACCESS ROAD MAP

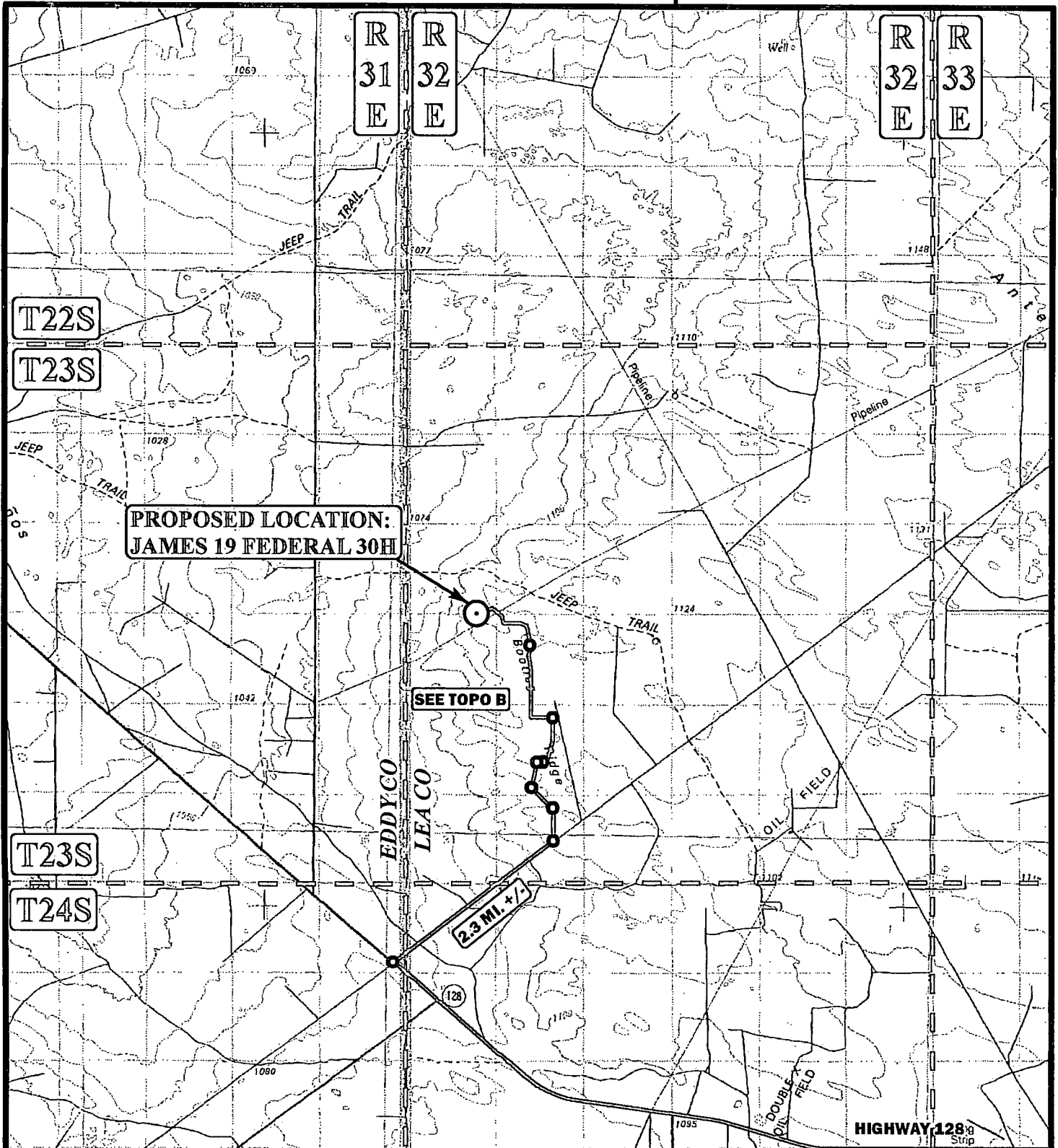
TOPO B



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Exhibit C-1

Public Access Road Map



LEGEND:



PROPOSED LOCATION

MALAGA, NEW MEXICO IS
+/- 21.8 MILES WESTERLY

SCALE: 1:100,000

REVISED: 10-08-13

DRAWN BY: J.L.H.

REV:10-17-13 J.L.G.

DATE DRAWN: 09-16-13

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CIMAREX ENERGY CO.

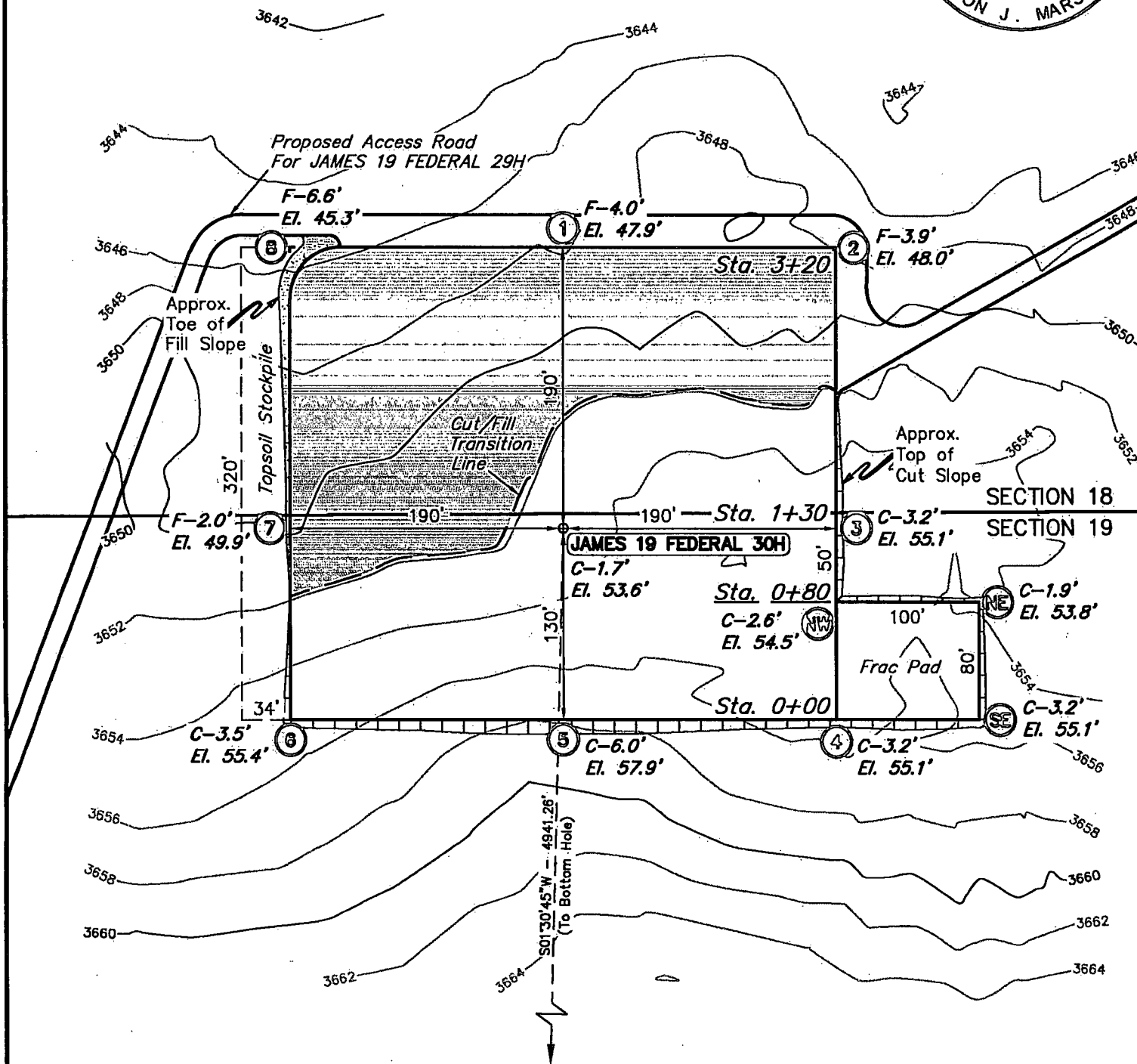
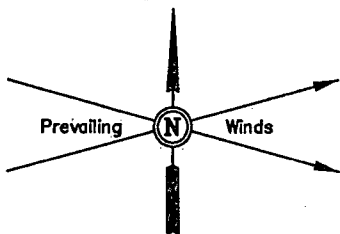
JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL

ACCESS ROAD MAP

TOPO A



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ELEV. UNGRADED GROUND AT LOC. STAKE = 3653.6' FINISHED GRADE ELEV. AT LOC. STAKE = 3651.9'

NOTES:

- Round corners at 35' radius or as needed.
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.

Exhibit C-1

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CIMAREX ENERGY CO.

JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL

DRAWN BY: J.S.

SCALE: 1" = 60'

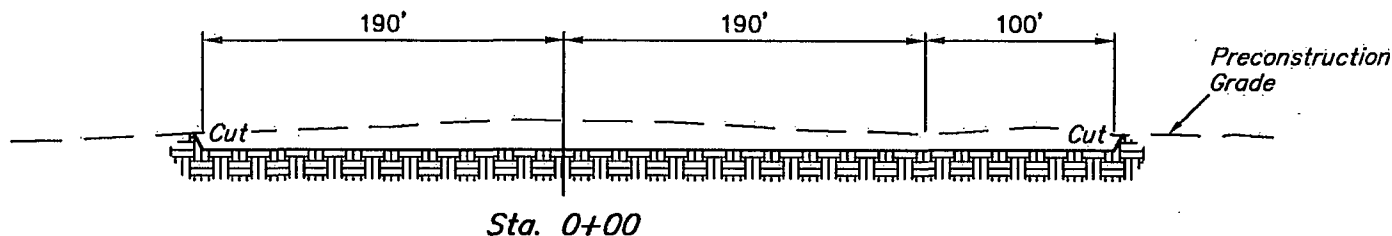
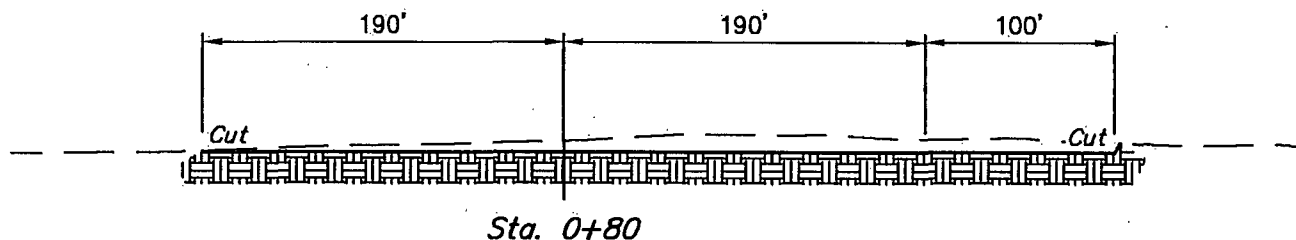
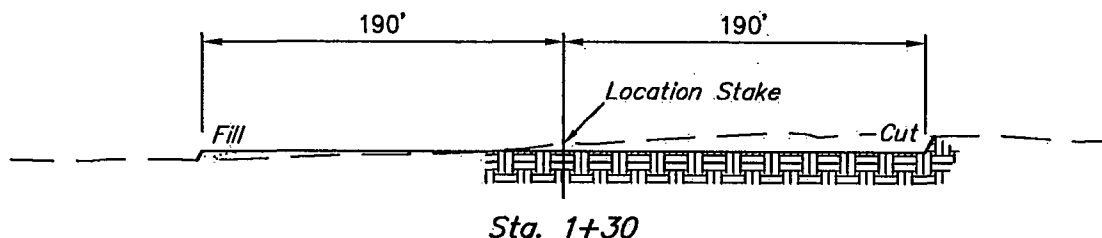
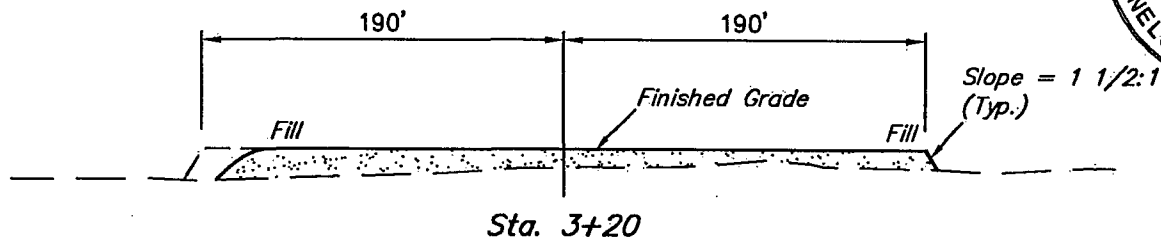
DATE: 09-18-13

REVISED:

LOCATION LAYOUT

FIGURE #1

X-Section
Scale
1" = 40'
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES		APPROXIMATE SURFACE DISTURBANCE AREAS		
(5") TOPSOIL STRIPPING	2,130 Cu. Yds.		DISTANCE	ACRES
REMAINING LOCATION	6,560 Cu. Yds.	WELL SITE DISTURBANCE	N/A	±3.395
TOTAL CUT	8,690 Cu. Yds.	10' WIDE PIPELINE R-O-W DISTURBANCE	±35.02'	±0.008
FILL	6,560 Cu. Yds.	TOTAL SURFACE USE AREA	±35.02'	±3.403
EXCESS MATERIAL	2,130 Cu. Yds.			
TOPSOIL	2,130 Cu. Yds.			
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.			

NOTES:

- Fill quantity includes 5% for compaction.
- Topsoil should not be stripped below finished grade on substructure area.



CIMAREX ENERGY CO.

JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL



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DRAWN BY: J.S.

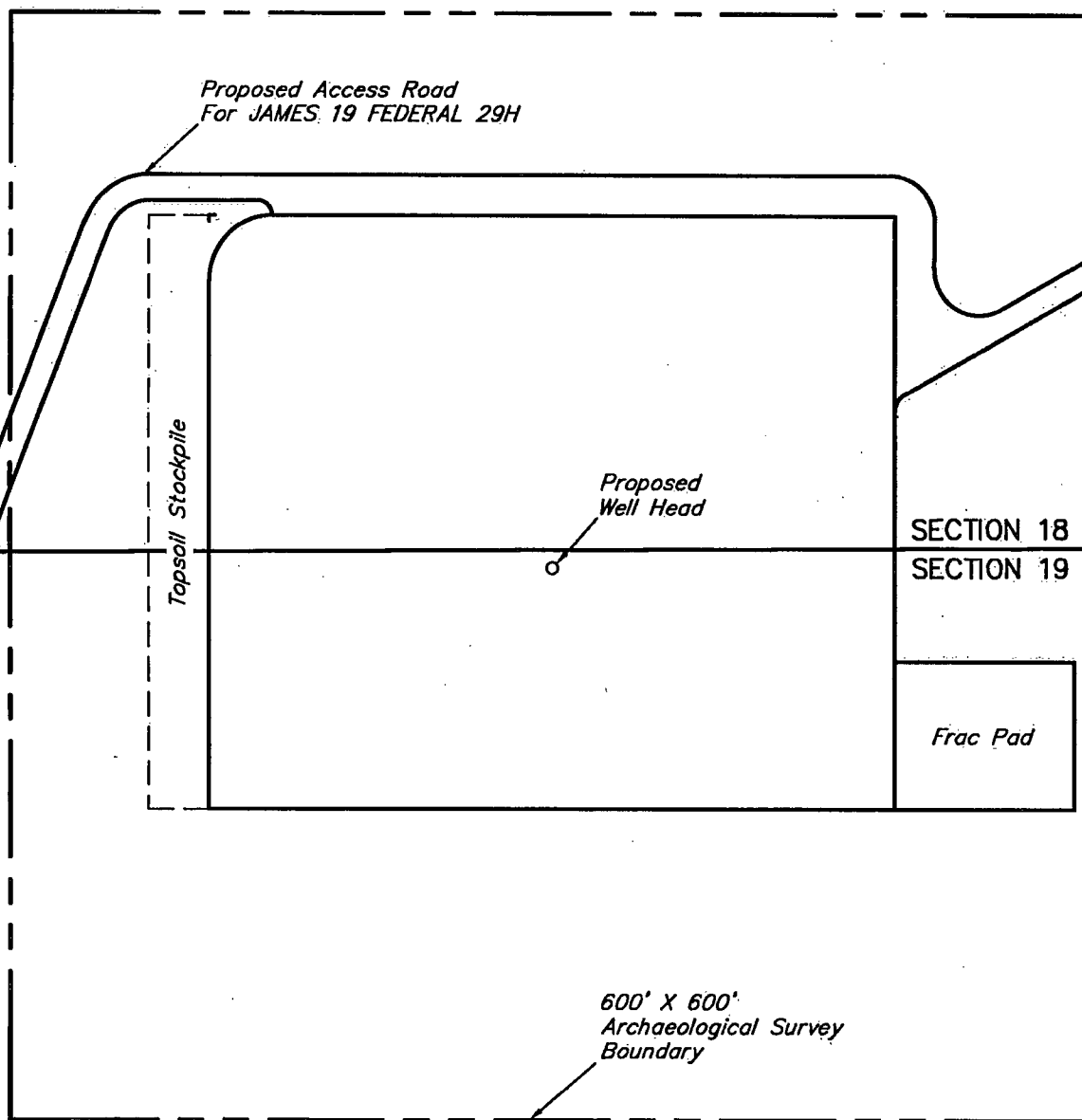
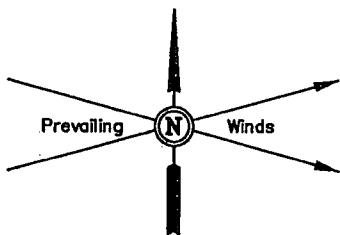
SCALE: AS SHOWN

DATE: 09-18-13

REVISED:

TYPICAL CROSS SECTIONS

FIGURE #2



NOTES:

Exhibit C-1



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CIMAREX ENERGY CO.

JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL

DRAWN BY: J.S.

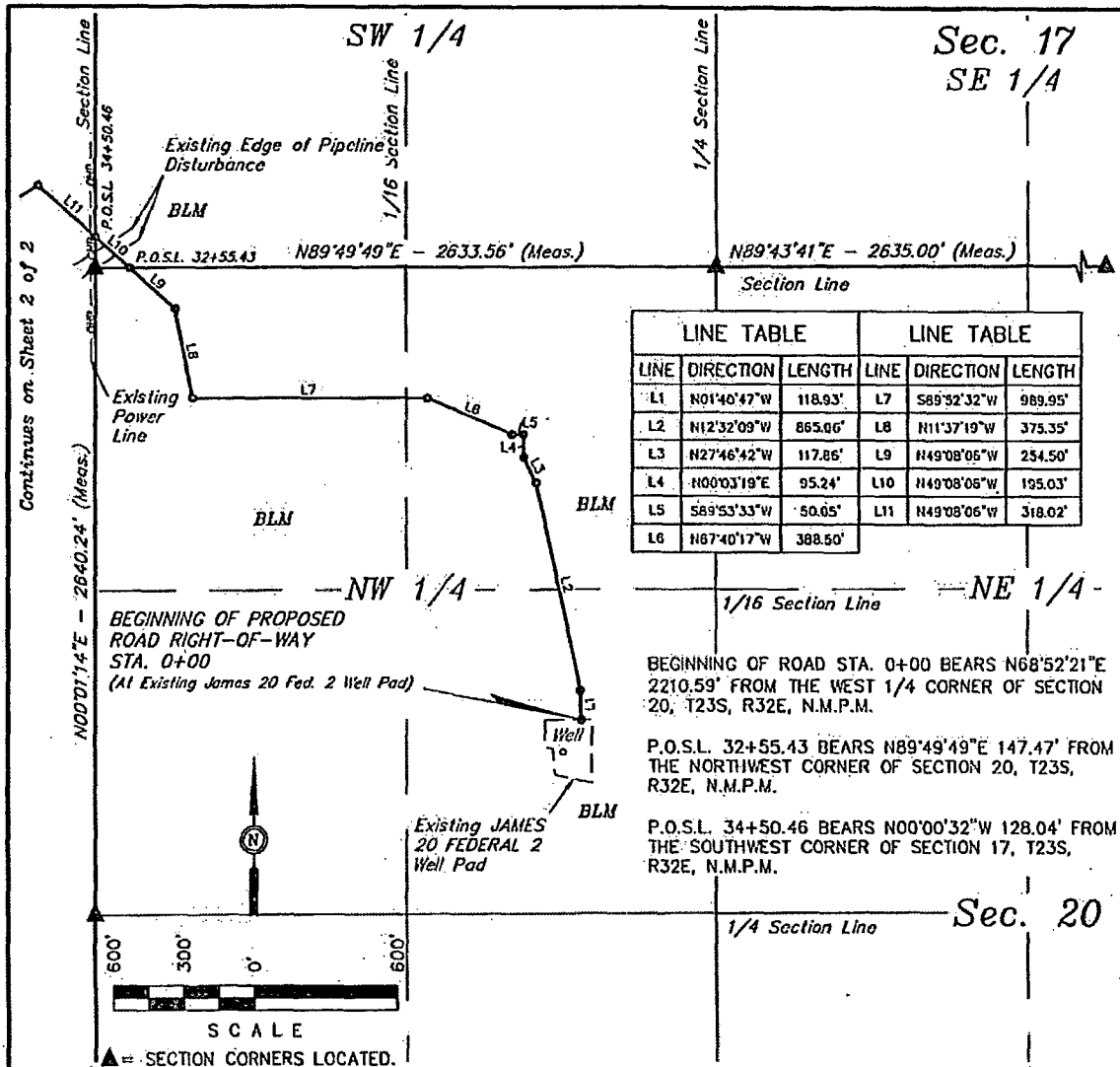
SCALE: 1" = 100'

DATE: 09-18-13

REVISED:

ARCHAEOLOGICAL SURVEY
BOUNDARY

FIGURE #4



LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	N01°40'47"W	118.93'	L7	S89°52'32"W	989.95'
L2	N12°32'09"W	865.06'	L8	N11°37'19"W	375.35'
L3	N27°46'42"W	117.86'	L9	N49°08'06"W	254.50'
L4	N00°03'19"E	95.24'	L10	N49°08'06"W	195.03'
L5	S89°53'33"W	50.05'	L11	N49°08'06"W	318.02'
L6	N67°40'17"W	388.50'			

BEGINNING OF ROAD STA. 0+00 BEARS N68°52'21"E 2210.59' FROM THE WEST 1/4 CORNER OF SECTION 20, T23S, R32E, N.M.P.M.

P.O.S.L. 32+55.43 BEARS N89°49'49"E 147.47' FROM THE NORTHWEST CORNER OF SECTION 20, T23S, R32E, N.M.P.M.

P.O.S.L. 34+50.46 BEARS N00°00'32"W 128.04' FROM THE SOUTHWEST CORNER OF SECTION 17, T23S, R32E, N.M.P.M.

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 20, T23S, R32E, N.M.P.M., WHICH BEARS N68°52'21"E 2210.59' FROM THE WEST 1/4 CORNER OF SAID SECTION 20, THENCE N01°40'47"W 118.93'; THENCE N12°32'09"W 865.06'; THENCE N27°46'42"W 117.86'; THENCE N00°03'19"E 95.24'; THENCE S89°53'33"W 50.05'; THENCE N67°40'17"W 388.50'; THENCE S89°52'32"W 989.95'; THENCE N11°37'19"W 375.35'; THENCE N49°08'06"W 254.50' TO A POINT ON THE NORTH LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 20, WHICH BEARS N89°49'49"E 147.47' FROM THE NORTHWEST CORNER OF SAID SECTION 20, THENCE N49°08'06"W 195.03' TO A POINT ON THE WEST LINE OF THE SW 1/4 SW 1/4 OF SECTION 17, T23S, R32E, N.M.P.M., WHICH BEARS N00°00'32"W 128.04' FROM THE SOUTHWEST CORNER OF SAID SECTION 17, THENCE N49°08'06"W 318.02'; THENCE S60°48'34"W 389.97'; THENCE N29°12'31"W 149.93'; THENCE S60°48'44"W 380.06'; THENCE N00°36'04"E 68.02'; THENCE WEST 14.77' TO A POINT IN THE SE 1/4 SE 1/4 OF SECTION 18, T23S, R32E, N.M.P.M., WHICH BEARS N80°56'24"W 1012.64' FROM THE SOUTHEAST CORNER OF SAID SECTION 18. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.286 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS

DESCRIPTION	FEET	ACRES	RODS
NW 1/4 SEC. 20	3255.43	2.242	197.30
SW 1/4 SEC. 17	195.03	0.134	11.82
SE 1/4 SEC. 18	1320.78	0.910	80.05
TOTAL ON BLM	4771.24	3.286	289.17

THIS IS TO CERTIFY THAT THE ABOVE QUANTITIES WERE 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.

CERTIFICATE OF PROFESSIONAL SURVEY
 12446
 11-25-13
 SHEET 1 of 2

NOTES:
 * The maximum grade of existing ground for the proposed access road is 5%.

Exhibit C-1



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CIMAREX ENERGY CO.

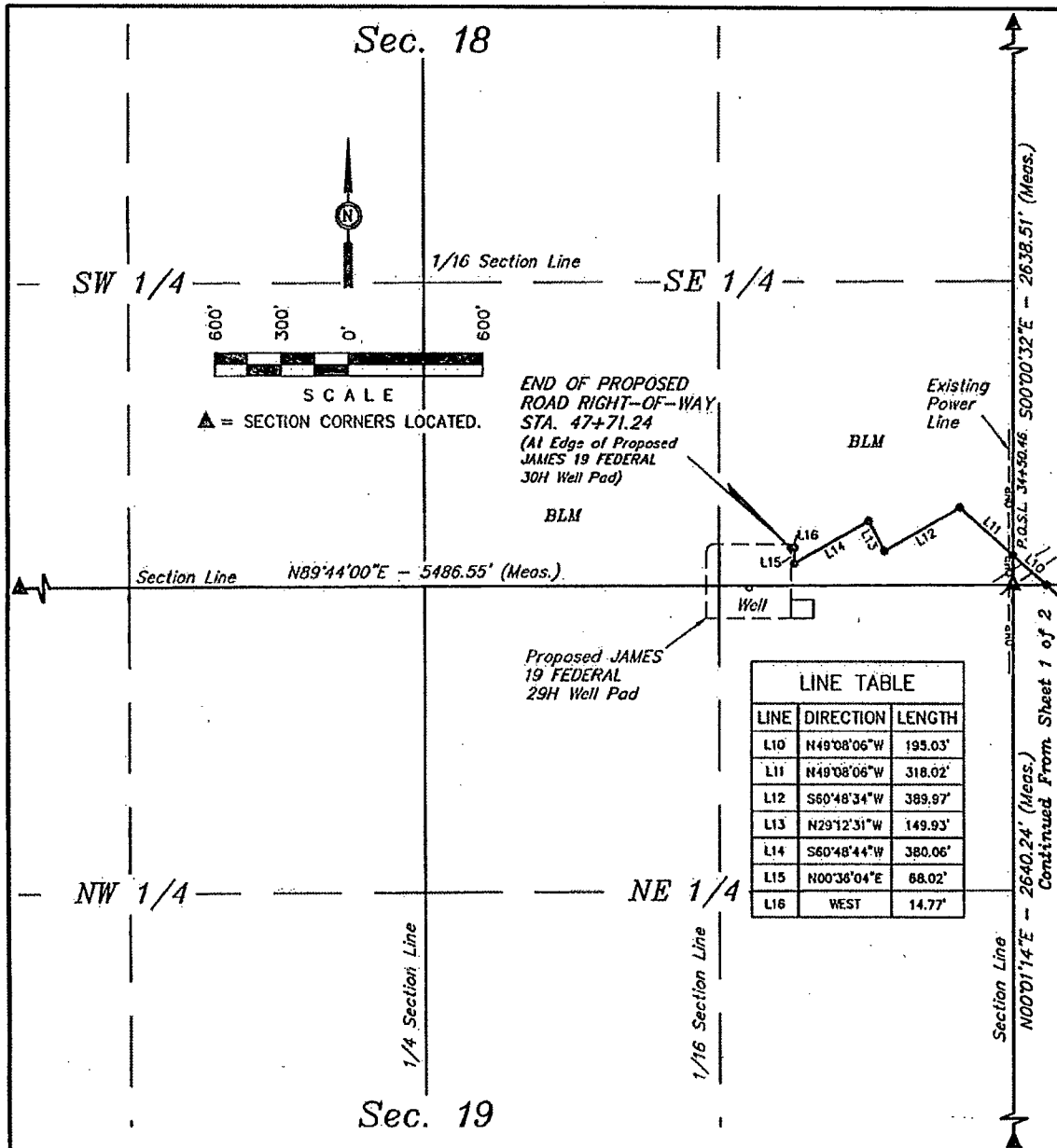
JAMES 19 FEDERAL 30H
 SECTION 19, T23S, R32E, N.M.P.M.
 10' FNL 1190' FEL

DRAWN BY: B.D.H.
 DATE: 11-26-13

SCALE: 1" = 600'

ACCESS ROAD R.O.W

EXHIBIT C-2



P.O.S.L. 34+50.46 BEARS N00°00'32\"W 128.04' FROM THE SOUTHEAST CORNER OF SECTION 18, T23S, R32E, N.M.P.M.

END OF ROAD STA. 47+71.24 BEARS N80°56'24\"W 1012.64' FROM THE NORTHEAST CORNER OF SECTION 18, T23S, R32E, N.M.P.M.

CERTIFICATE OF PROFESSIONAL SURVEY

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.

Robert J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446
STATE OF NEW MEXICO 11-25-13

SHEET 2 of 2

NOTES:
• The maximum grade of existing ground for the proposed access road is ±5%.

Exhibit C-1



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CIMAREX ENERGY CO.

JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL

DRAWN BY: B.D.H.

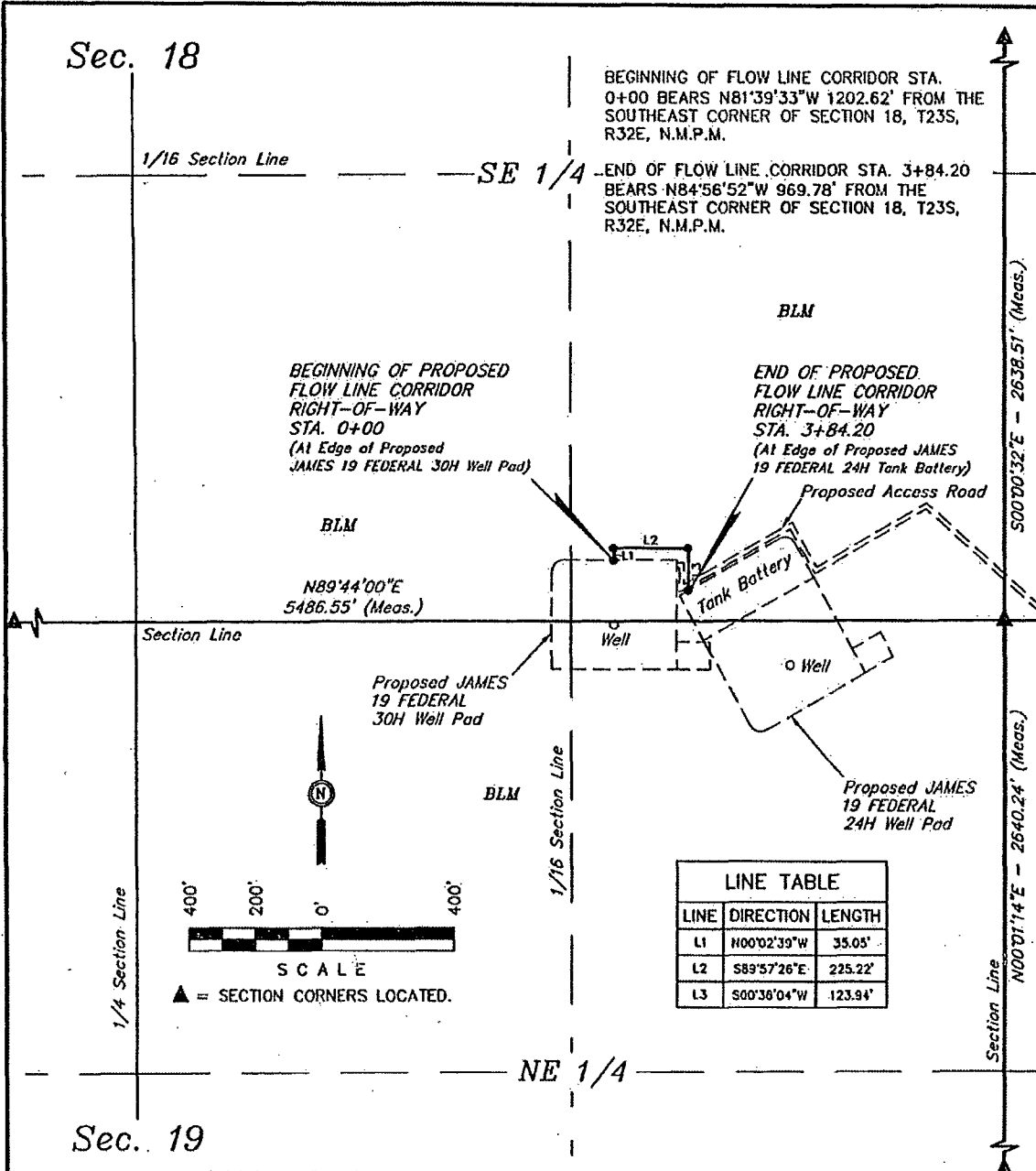
SCALE: 1" = 600'

DATE: 11-26-13

ACCESS ROAD R-O-W

EXHIBIT C-2

Sec. 18



Sec. 19

FLOW LINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 10' WIDE RIGHT-OF-WAY 5' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 SE 1/4 OF SECTION 18, T23S, R32E, N.M.P.M., WHICH BEARS N81°39'33"W 1202.62' FROM THE SOUTHEAST CORNER OF SAID SECTION 18, THENCE N00°02'39"W 35.05'; THENCE S89°57'26"E 225.22'; THENCE S00°36'04"W 123.94' TO A POINT IN THE SE 1/4 SE 1/4 OF SAID SECTION 18, WHICH BEARS N84°56'52"W 969.78' FROM THE SOUTHEAST CORNER OF SAID SECTION 18. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.088 ACRES-MORE OR LESS.

RIGHT-OF-WAY LENGTHS

DESCRIPTION	FEET	ACRES	RODS
SE 1/4 SEC. 18	384.20	0.088	23.28

CERTIFICATE OF PROFESSIONAL SURVEY

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446, STATE OF NEW MEXICO
11-25-13

NOTES:

- The proposed flow line corridor contains 2 lines (1 gathering line and 1 gas lift line).

Exhibit G



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CIMAREX ENERGY CO.

JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL

DRAWN BY: J.S.

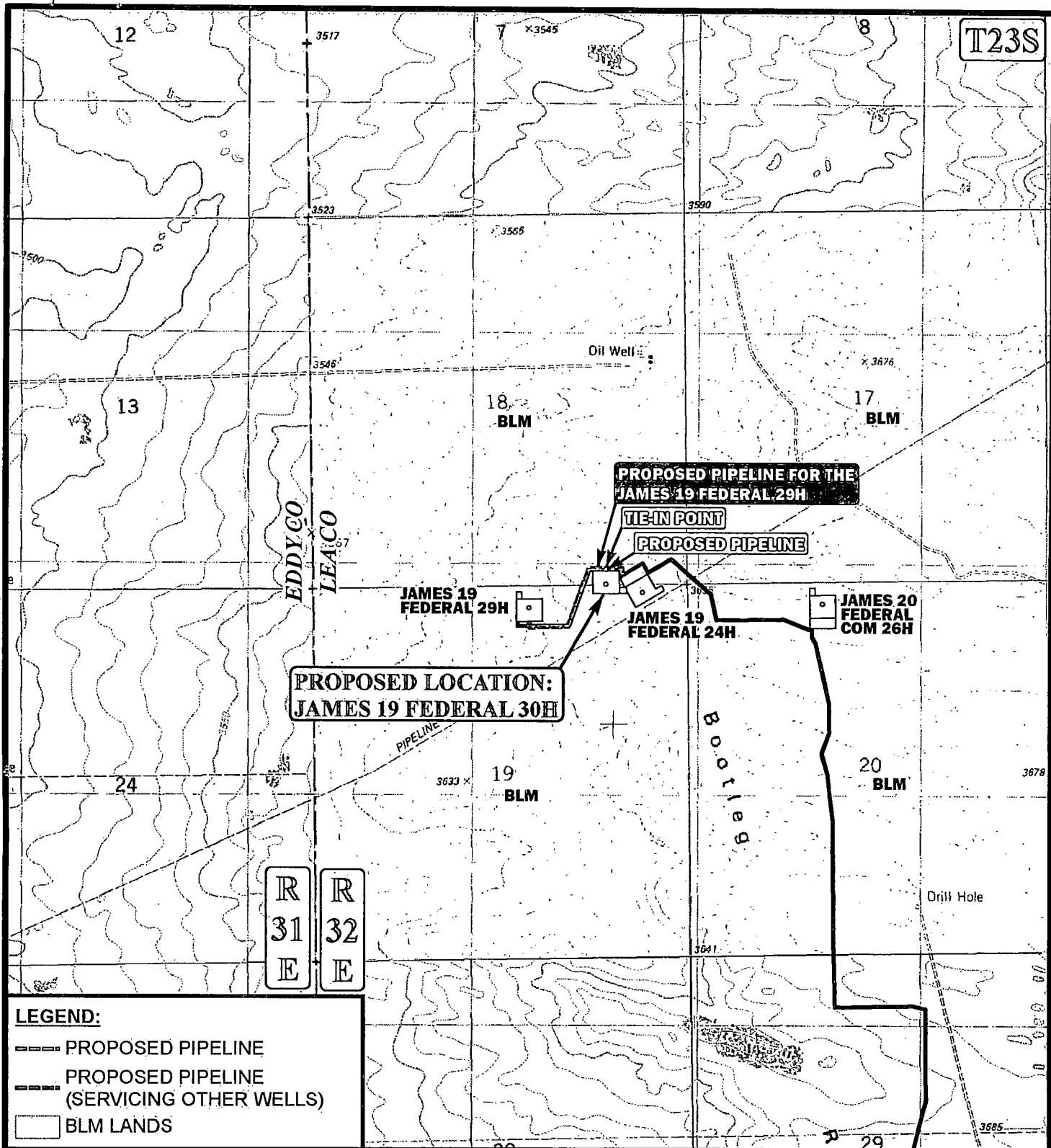
SCALE: 1" = 400'

DATE: 09-16-13

REV: 11-25-13 B.D.H.

FLOW LINE R-O-W

EXHIBIT G-1



APPROXIMATE TOTAL PIPELINE DISTANCE 35' +/-

*PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'

REVISED:

DRAWN BY: J.L.H.

DATE DRAWN: 09-16-13



CIMAREX ENERGY CO.

**JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.
10' FNL 1190' FEL**

PIPELINE MAP

TOPO D



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Exhibit G

CIMAREX ENERGY CO.
JAMES 19 FEDERAL 30H
SECTION 19, T23S, R32E, N.M.P.M.

BEGINNING AT HIGHWAY 128 PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE JAMES 20 FEDERAL COM 26H TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 1,198' TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE JAMES 19 FEDERAL 29H TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 3,490' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM HIGHWAY 128 TO THE PROPOSED LOCATION IS APPROXIMATELY 5.7 MILES.