

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 87400
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

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025	² Pool Code 53805	³ Pool Name Sand Dunes Wildcat, Bone Spring
⁴ Property Code 313485	⁵ Property Name JAMES 19 FEDERAL	
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	
		⁶ Well Number 23H
		⁹ Elevation 3647'

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
B	19	23S	32E		375	NORTH	1980	EAST	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
O	19	23S	32E		330	SOUTH	1980	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.

<p>¹⁶</p> <p>N89°44'00"E - 5486.55' (Meas.)</p> <p>R 31 E (Meas.)</p> <p>R 32 E (Meas.)</p> <p>LOT 1</p> <p>LOT 2</p> <p>LOT 3</p> <p>LOT 4</p> <p>LEASE BOUNDARY</p> <p>SCALE</p> <p>▲ = SECTION CORNERS LOCATED.</p> <p>S89°43'10"W - 5489.29' (Meas.)</p>		<p>375'</p> <p>S.L.</p> <p>1980'</p> <p>500°01'14"W - 2640.24' (Meas.)</p> <p>500°00'14"W - 4574.11'</p> <p>500°00'45"E - 2638.38' (Meas.)</p> <p>330'</p> <p>B.H.</p> <p>1980'</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p>Signature: <i>Terri Stathem</i> Date: 12/9/13</p> <p>Printed Name: Terri Stathem</p> <p>E-mail Address: tstathem@cimarex.com</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>September 12, 2013</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p><i>Nelson J. Marshall</i></p> <p>PROFESSIONAL SURVEYOR NEW MEXICO 10-08</p> <p>Certificate Number:</p>
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NOV 04 2014

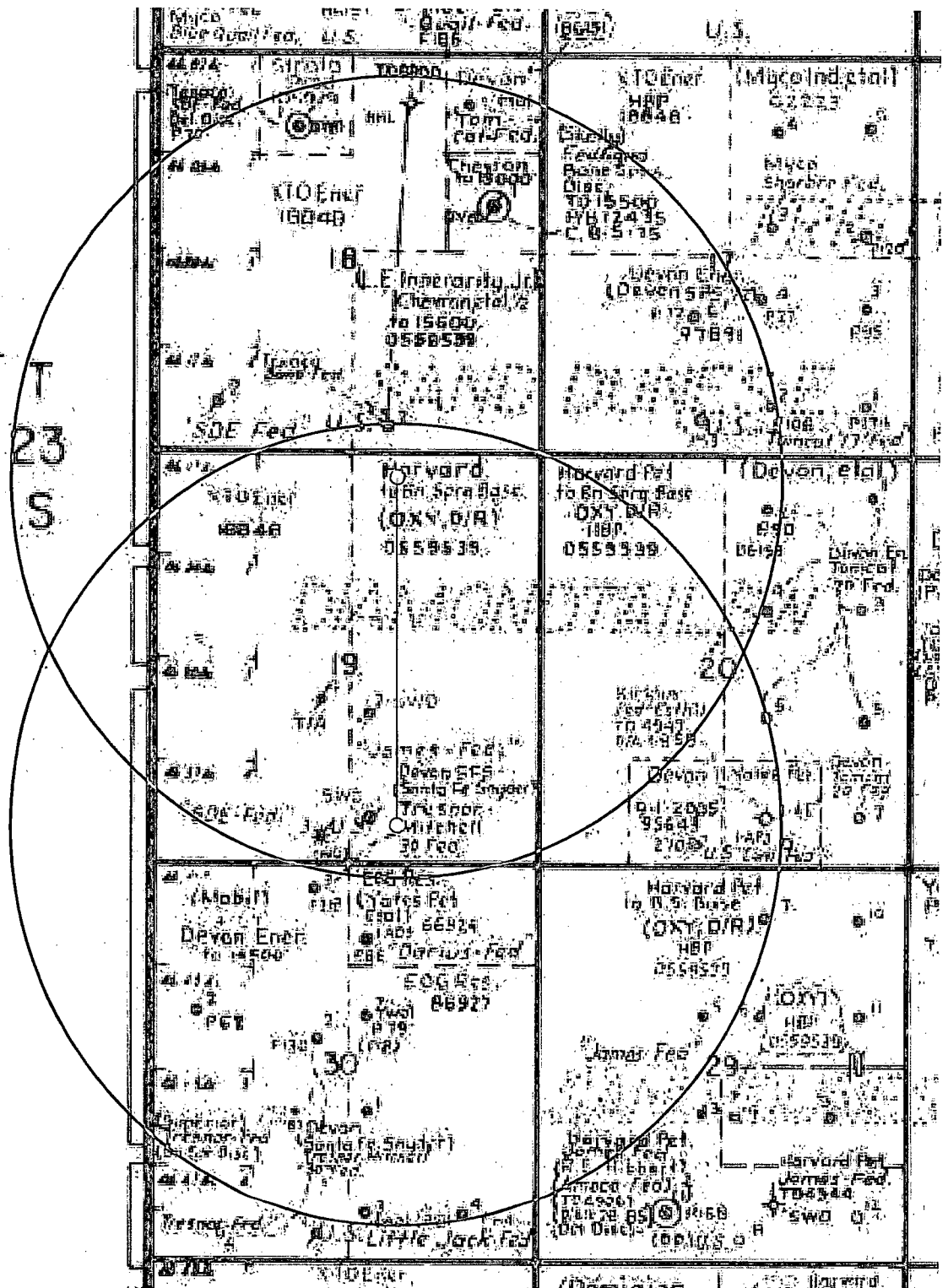
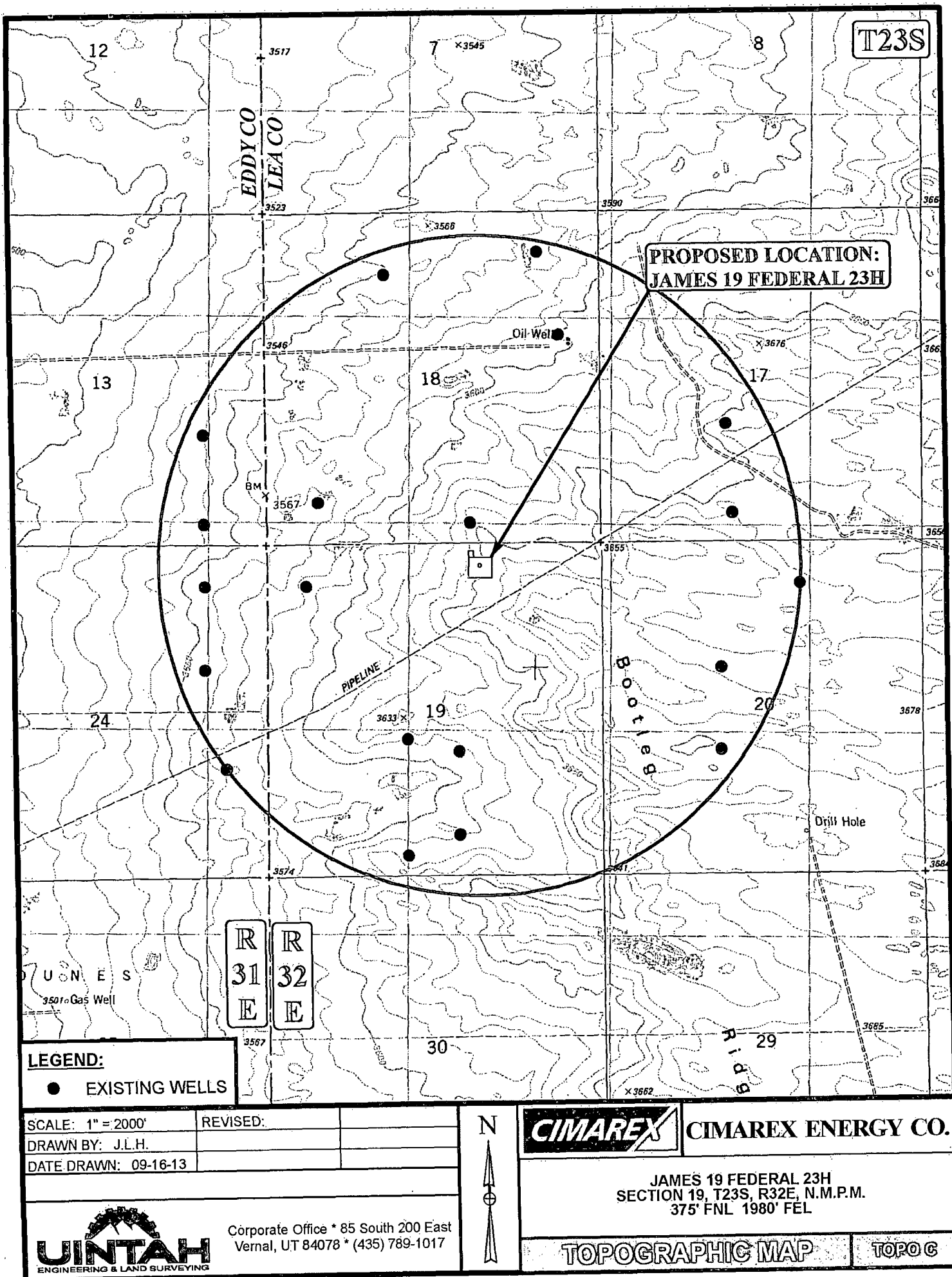
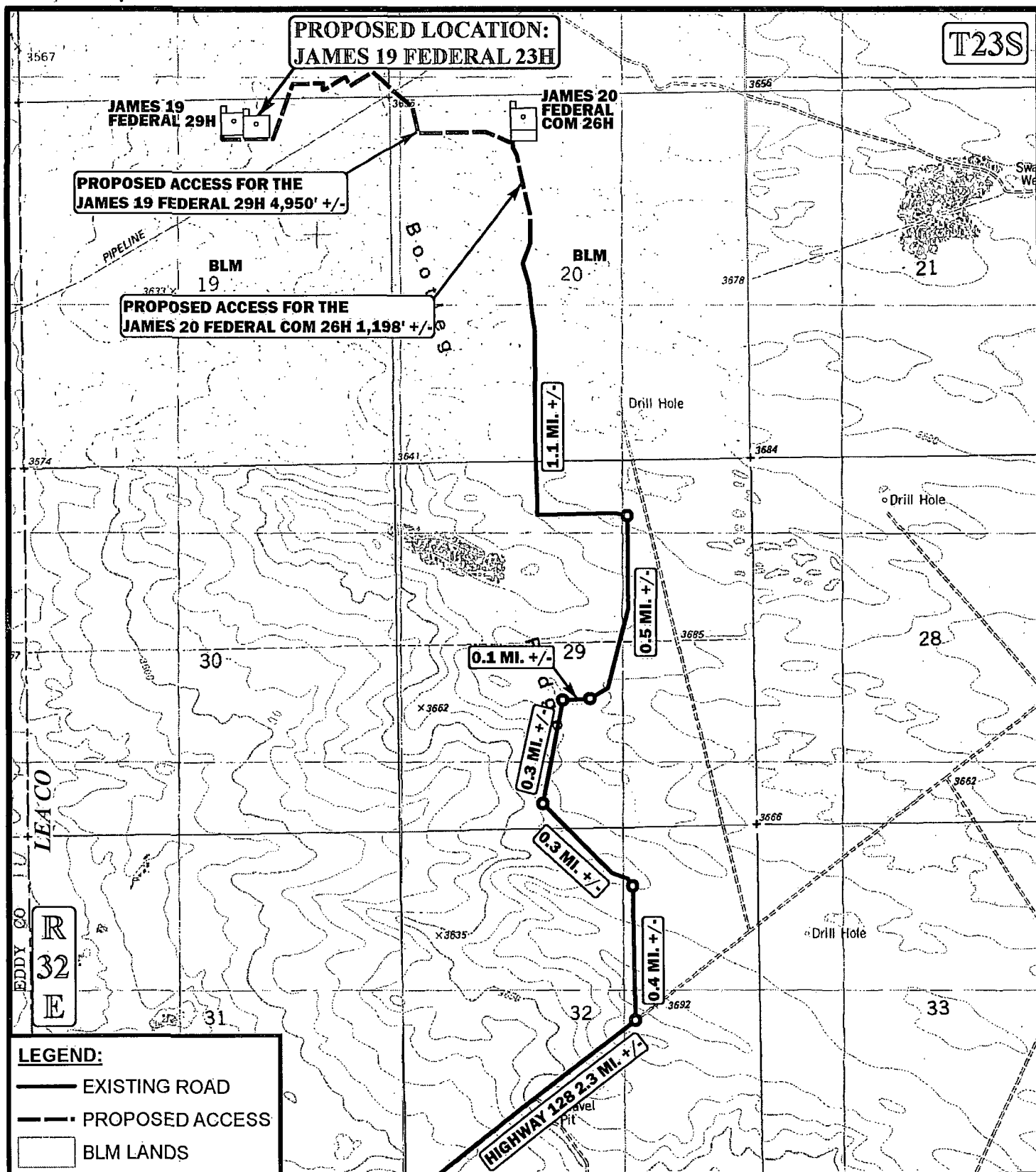


Exhibit A – One Mile Radius Map
 James 19 Federal 23H
 Cimarex Energy Co.
 19-23S-32E
 SHL 375 FNL & 1980 FEL
 BHL 330 FSL & 1980 FEL
 Lea County, NM





*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 UINTAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'

REVISED: 10-08-13

DRAWN BY: J.L.H.

REV:10-16-13J.L.G.

DATE DRAWN: 09-16-13



CIMAREX ENERGY CO.

JAMES 19 FEDERAL 23H
SECTION 19, T23S, R32E, N.M.P.M.
375' FNL 1980' FEL

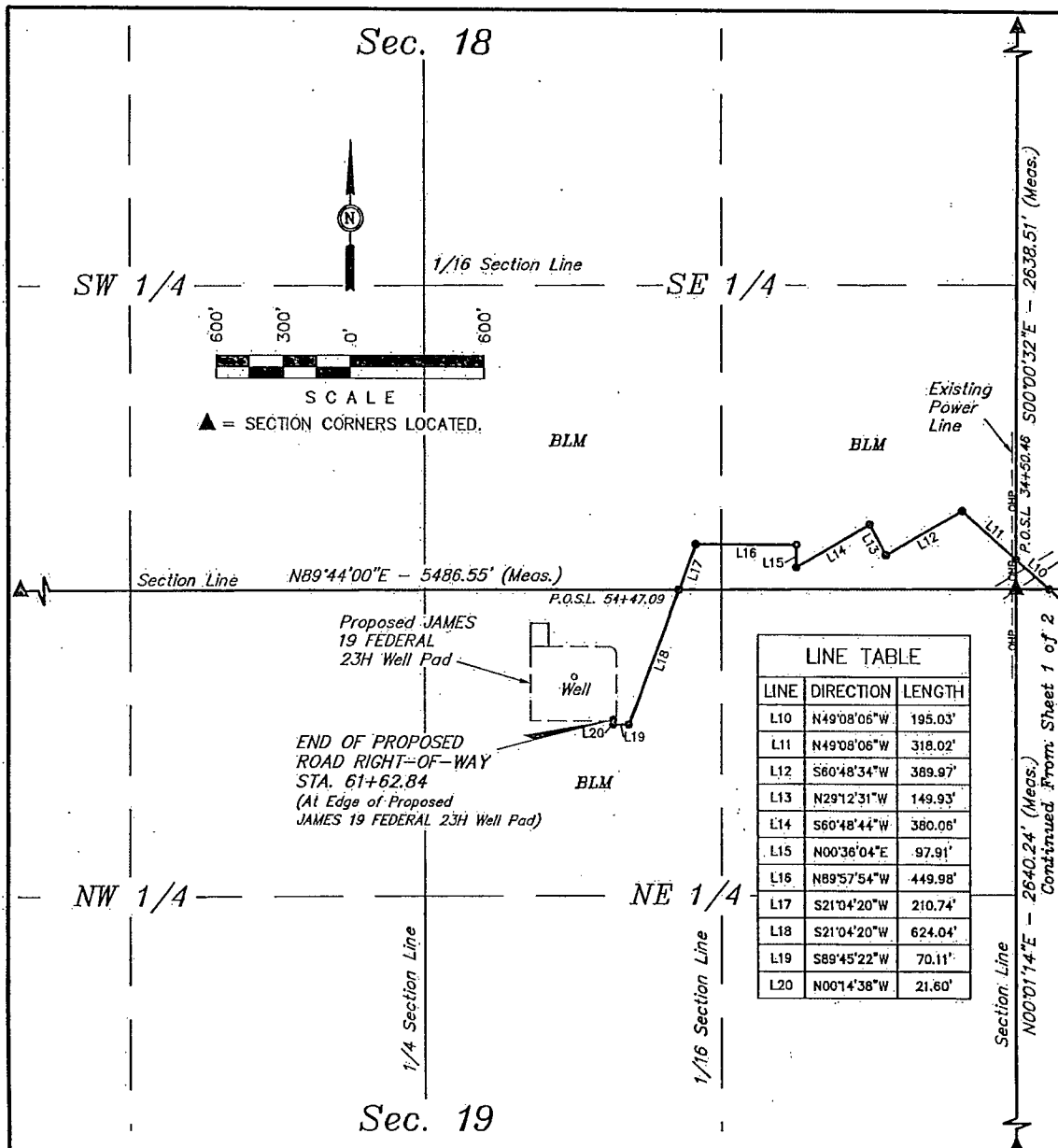
ACCESS ROAD MAP

TOPO B



Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Exhibit C-1



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.

P.O.S.L. 54+47.09 BEARS S89°44'00"W 1510.69' FROM THE SOUTHEAST CORNER OF SECTION 18, T23S, R32E, N.M.P.M.

END OF ROAD STA. 61+62.84 BEARS S72°32'00"W 1892.50' FROM THE NORTHEAST CORNER OF SECTION 19, 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.

Nelson Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446
STATE OF NEW MEXICO

11-25-13
SHEET 2 of 2

NOTES:

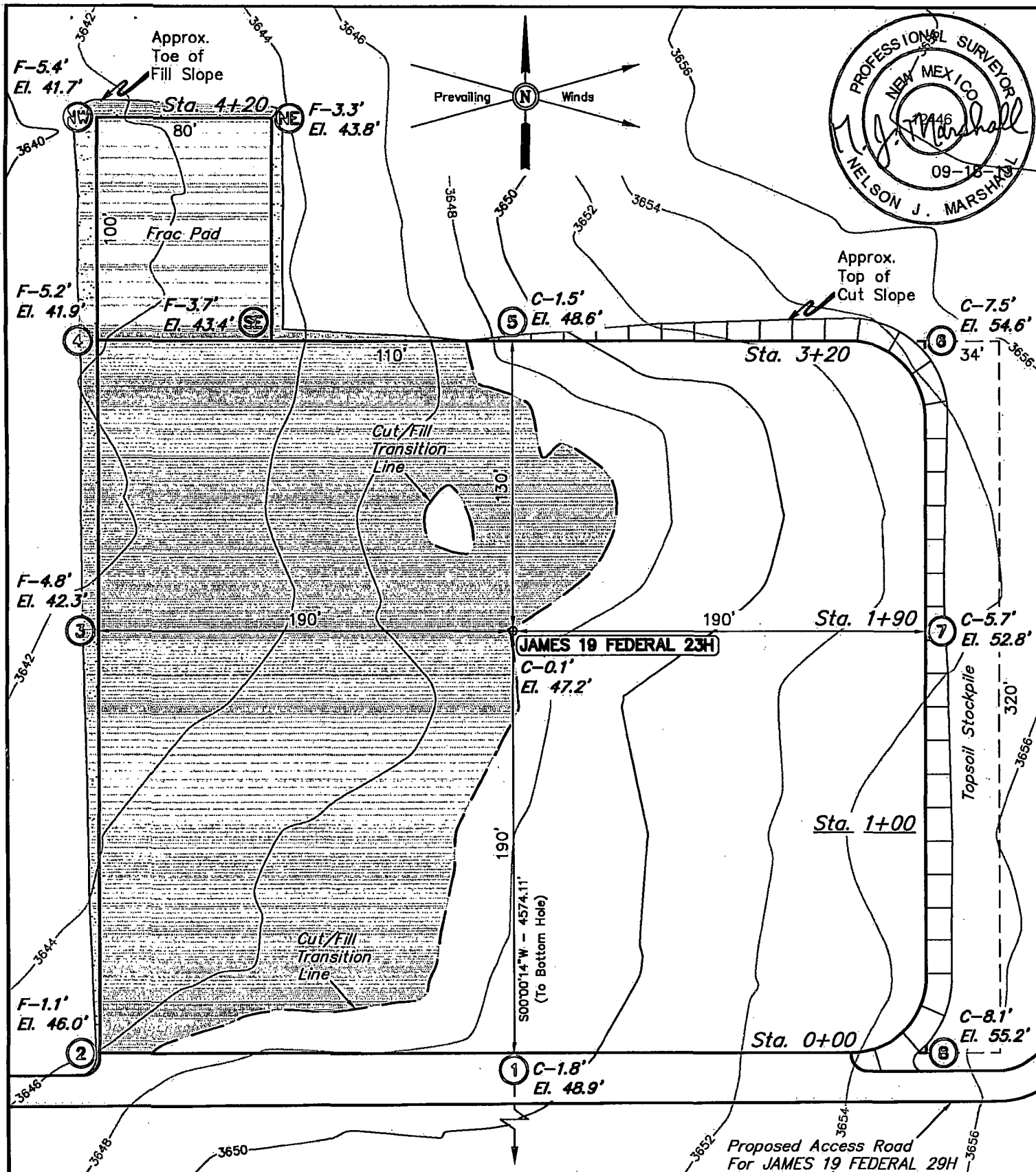
- The maximum grade of existing ground for the proposed access road is ±5%.

Exhibit C-1



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CIMAREX ENERGY CO.	
JAMES 19 FEDERAL 23H SECTION 19, T23S, R32E, N.M.P.M. 375' FNL 1980' FEL	
DRAWN BY: B.D.H.	SCALE: 1" = 600'
DATE: 11-26-13	
ACCESS ROAD R-O-W	
EXHIBIT C-2	



ELEV. UNGRADED GROUND AT LOC. STAKE = 3647.2' FINISHED GRADE ELEV. AT LOC. STAKE = 3647.1'

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

Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



CIMAREX ENERGY CO.

JAMES 19 FEDERAL 23H
SECTION 19, T23S, R32E, N.M.P.M.
375' FNL 1980' FEL

DRAWN BY: J.S.

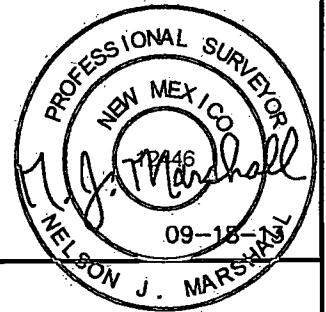
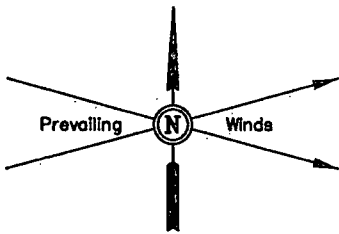
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DATE: 09-18-13

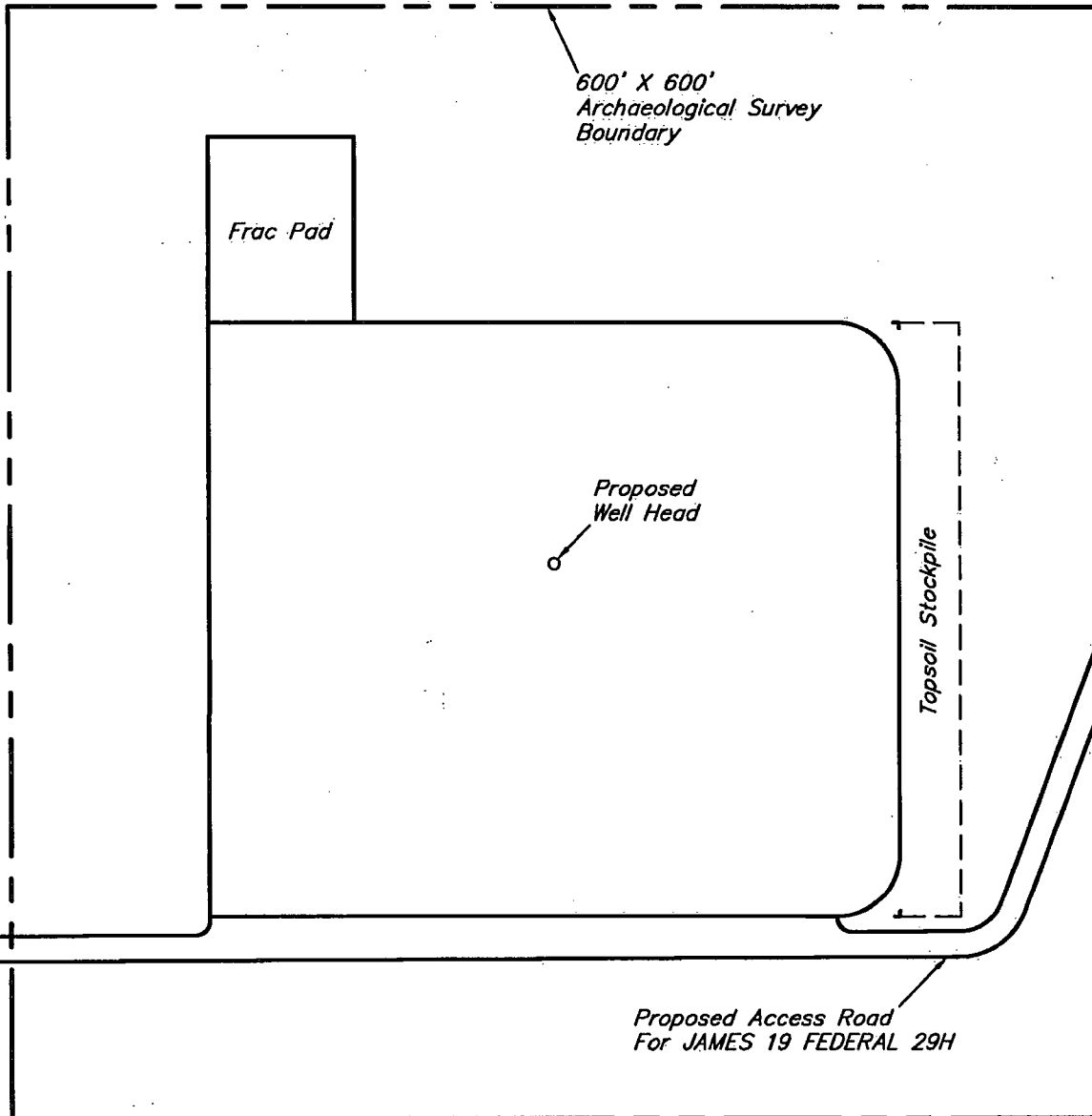
REVISED:

LOCATION LAYOUT

FIGURE #1



SECTION 18
SECTION 19



NOTES:

Exhibit C-1



CIMAREX ENERGY CO.

JAMES 19 FEDERAL 23H
SECTION 19, T23S, R32E, N.M.P.M.
375' FNL 1980' FEL

DRAWN BY: J.S.

SCALE: 1" = 100'

DATE: 09-18-13

REVISED:

ARCHAEOLOGICAL SURVEY
BOUNDARY

FIGURE #4



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Public Access Road map

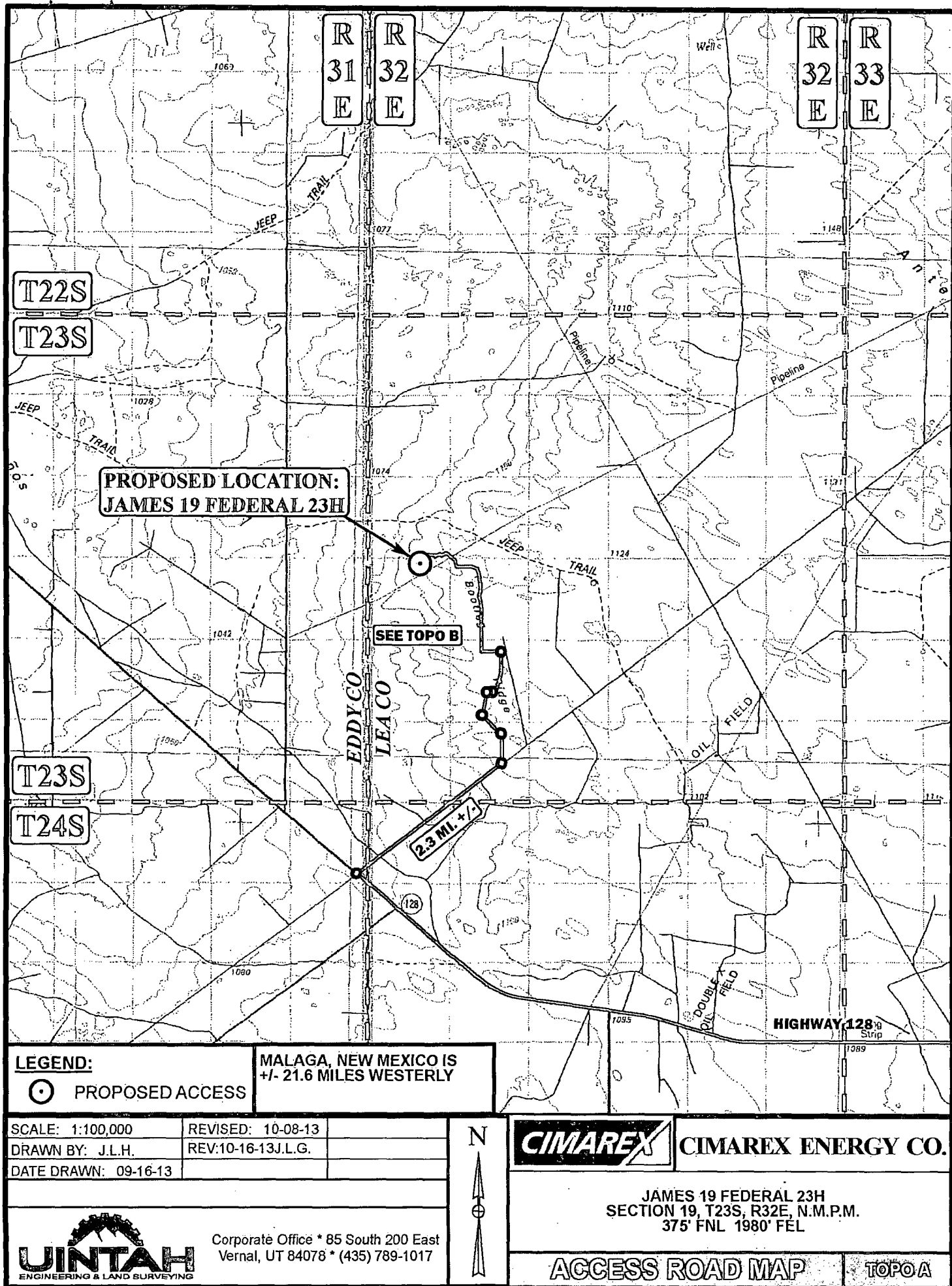
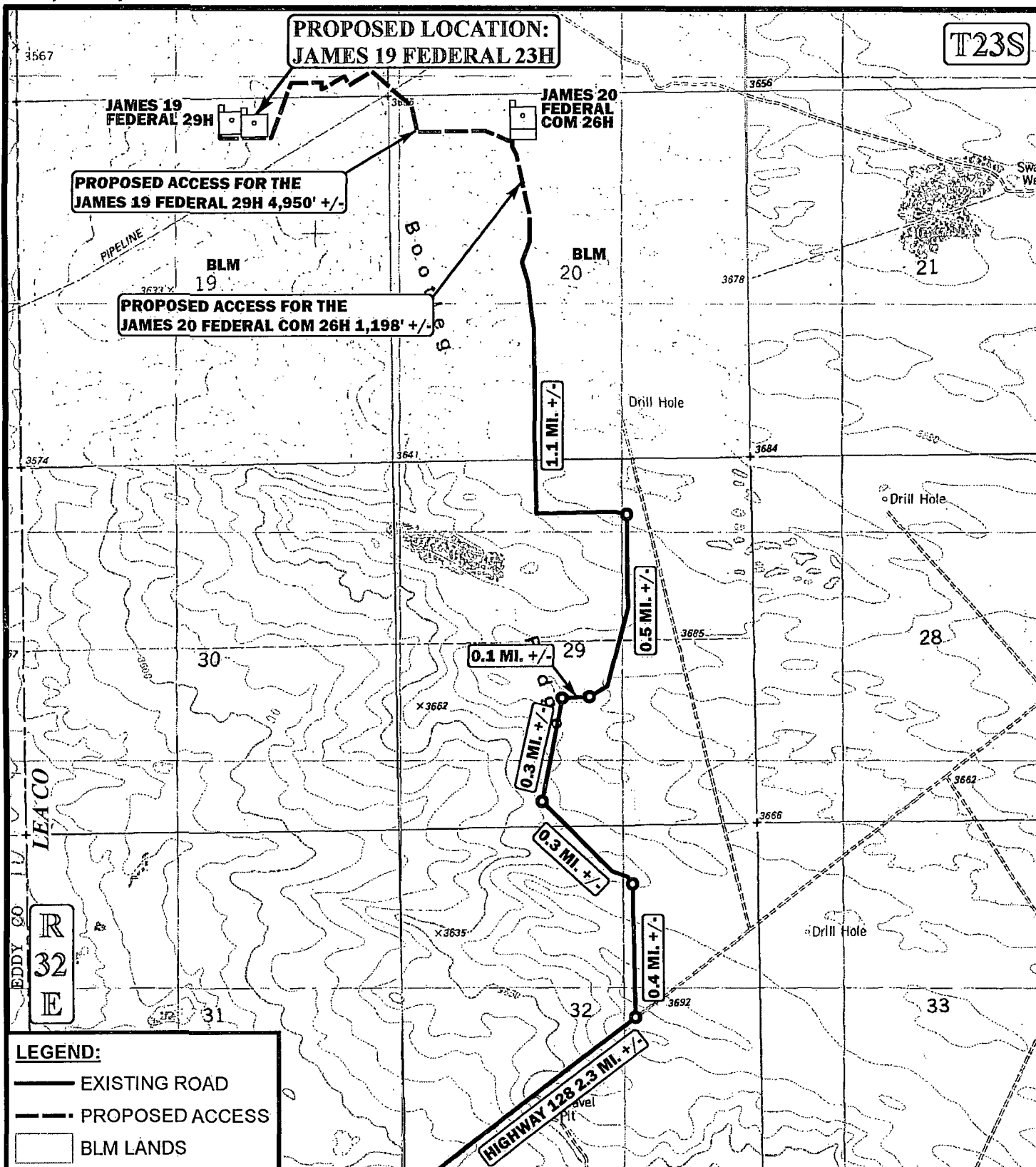


Exhibit C-1



*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'
DRAWN BY: J.L.H.
DATE DRAWN: 09-16-13

REVISED: 10-08-13
REV:10-16-13J.L.G.



CIMAREX ENERGY CO.

JAMES 19 FEDERAL 23H
SECTION 19, T23S, R32E, N.M.P.M.
375' FNL 1980' FEL

ACCESS ROAD MAP

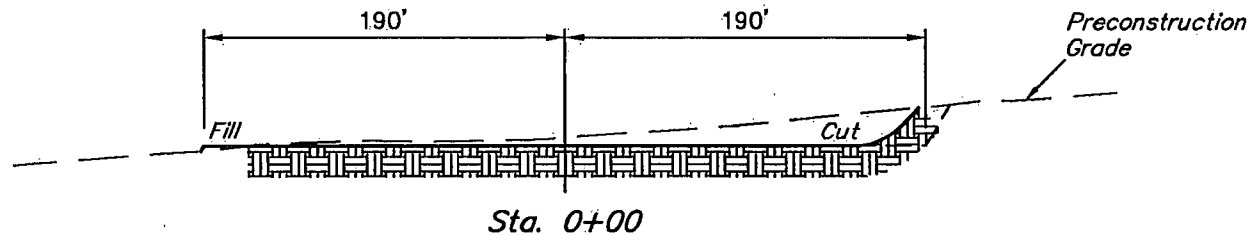
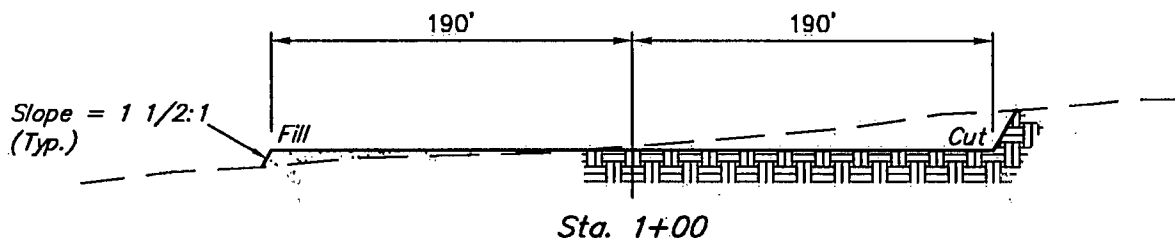
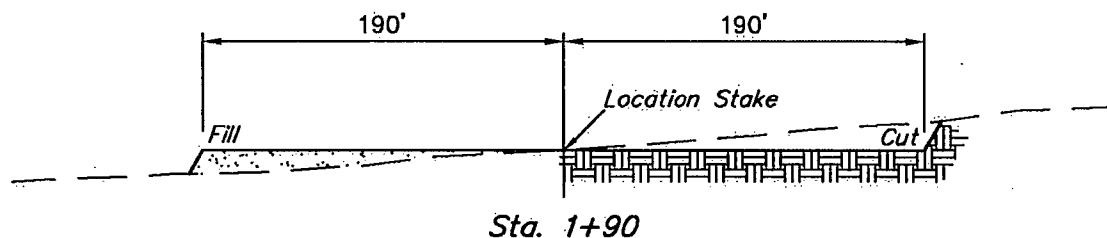
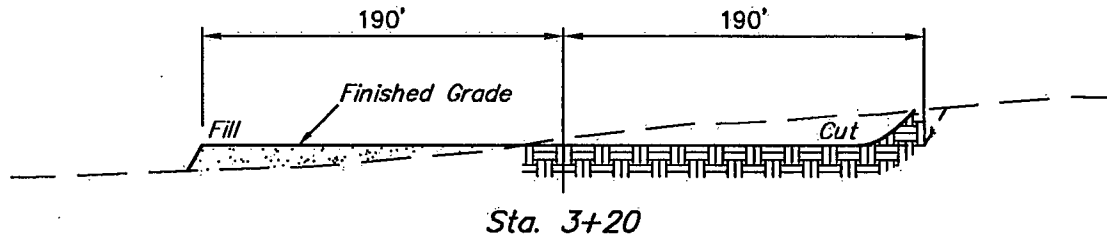
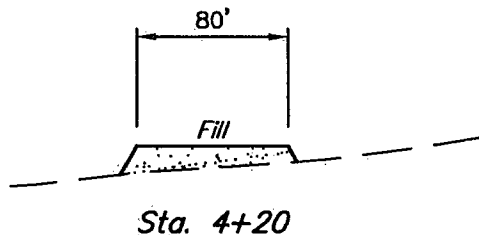
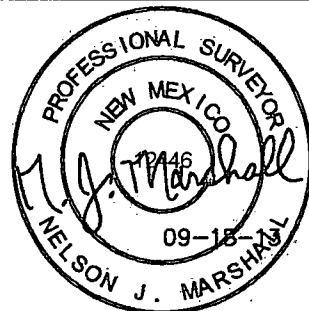
TOPO B



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Exhibit C-1

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



APPROXIMATE EARTHWORK QUANTITIES		APPROXIMATE SURFACE DISTURBANCE AREAS		
(5") TOPSOIL STRIPPING	2,160 Cu. Yds.		DISTANCE	ACRES
REMAINING LOCATION	7,520 Cu. Yds.	WELL SITE DISTURBANCE	N/A	±3.385
TOTAL CUT	9,680 Cu. Yds.	10' WIDE PIPELINE R-O-W DISTURBANCE	±36.18'	±0.008
FILL	7,520 Cu. Yds.	TOTAL SURFACE USE AREA	±36.18'	±3.393
EXCESS MATERIAL	2,160 Cu. Yds.			
TOPSOIL	2,160 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 **CIMAREX ENERGY CO.**

JAMES 19 FEDERAL 23H
SECTION 19, T23S, R32E, N.M.P.M.
375' FNL 1980' FEL

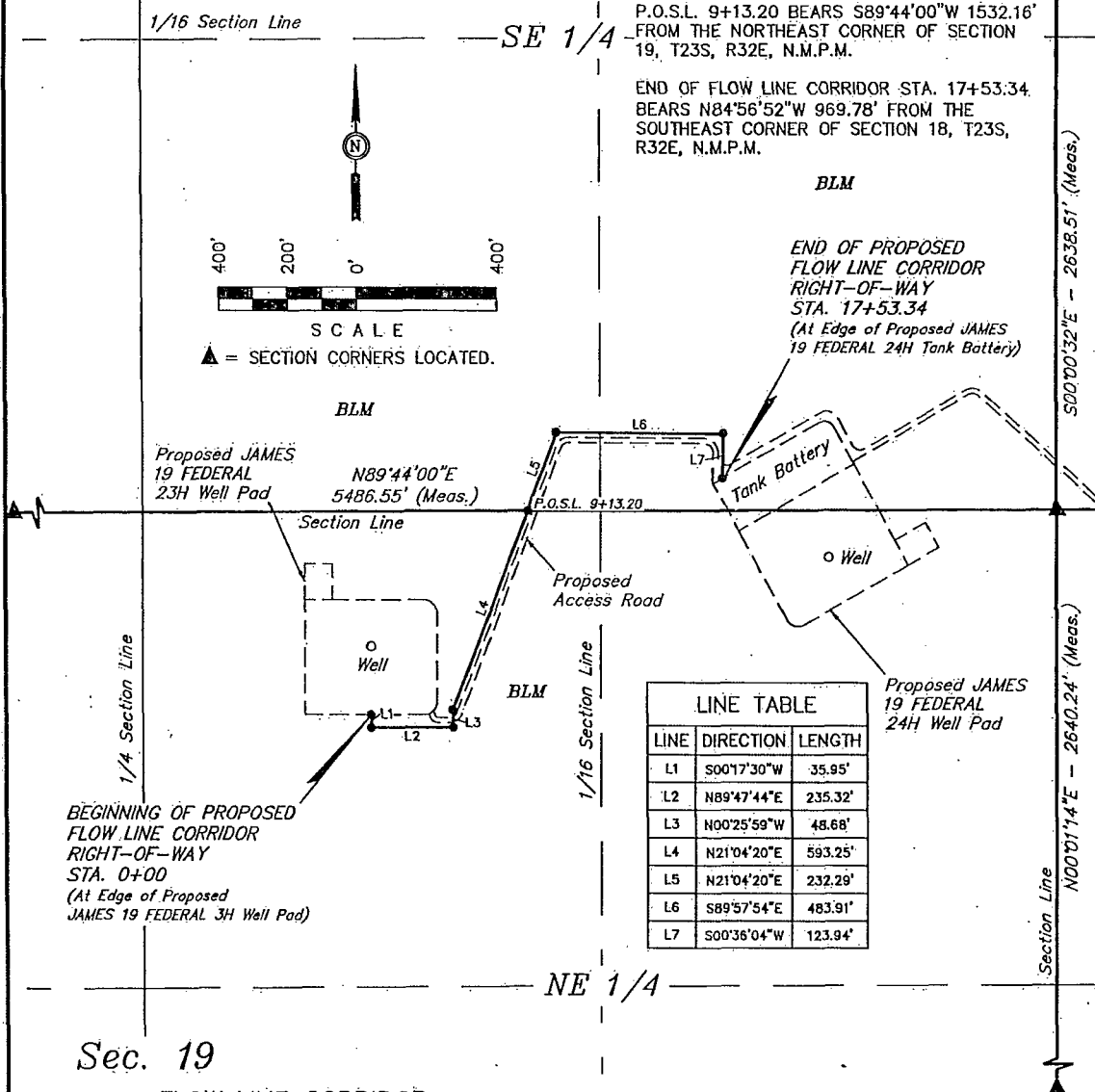
DRAWN BY: J.S. SCALE: AS SHOWN
DATE: 09-18-13 REVISED:



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TYPICAL CROSS SECTIONS **FIGURE #2**

Sec. 18



BEGINNING OF FLOW LINE CORRIDOR STA. 0+00 BEARS S73°49'40"W 2061.80' FROM THE NORTHEAST CORNER OF SECTION 19, T23S, R32E, N.M.P.M.

P.O.S.L. 9+13.20 BEARS S89°44'00"W 1532.16' FROM THE NORTHEAST CORNER OF SECTION 19, T23S, R32E, N.M.P.M.

END OF FLOW LINE CORRIDOR STA. 17+53.34 BEARS N84°56'52"W 969.78' FROM THE SOUTHEAST CORNER OF SECTION 18, T23S, R32E, N.M.P.M.

BLM

END OF PROPOSED FLOW LINE CORRIDOR RIGHT-OF-WAY STA. 17+53.34 (At Edge of Proposed JAMES 19 FEDERAL 24H Tank Battery)

Proposed JAMES 19 FEDERAL 23H Well Pad

N89°44'00"E 5486.55' (Meas.)

Section Line

Proposed Access Road

Tank Battery

Well

Proposed JAMES 19 FEDERAL 24H Well Pad

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°17'30"W	35.95'
L2	N89°47'44"E	235.32'
L3	N00°25'59"W	48.68'
L4	N21°04'20"E	593.25'
L5	N21°04'20"E	232.29'
L6	S89°57'54"E	483.91'
L7	S00°36'04"W	123.94'

BEGINNING OF PROPOSED FLOW LINE CORRIDOR RIGHT-OF-WAY STA. 0+00 (At Edge of Proposed JAMES 19 FEDERAL 3H Well Pad)

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 NW 1/4 NE 1/4 OF SECTION 19, T23S, R32E, N.M.P.M., WHICH BEARS S73°49'40"W 2061.80' FROM THE NORTHEAST CORNER OF SAID SECTION 19, THENCE S00°17'30"W 35.95'; THENCE N89°47'44"E 235.32'; THENCE N00°25'59"W 48.68'; THENCE N21°04'20"E 593.25' TO A POINT ON THE NORTH LINE OF THE NW 1/4 NE 1/4 OF SAID SECTION 19, WHICH BEARS S89°44'00"W 1532.16' FROM THE NORTHEAST CORNER OF SAID SECTION 19, THENCE N21°04'20"E 232.29'; THENCE S89°57'54"E 483.91'; THENCE S00°36'04"W 123.94' TO A POINT IN THE SE 1/4 SE 1/4 OF SECTION 18, T23S, R32E, N.M.P.M., 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 0.403 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS

DESCRIPTION	FEET	ACRES	RODS
NE 1/4 SEC. 19	913.20	0.210	55.35
SE 1/4 SEC. 18	840.14	0.193	50.92
TOTAL ON BLM	1753.34	0.403	106.26

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.
12448
Nelson J. Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO. 12448
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



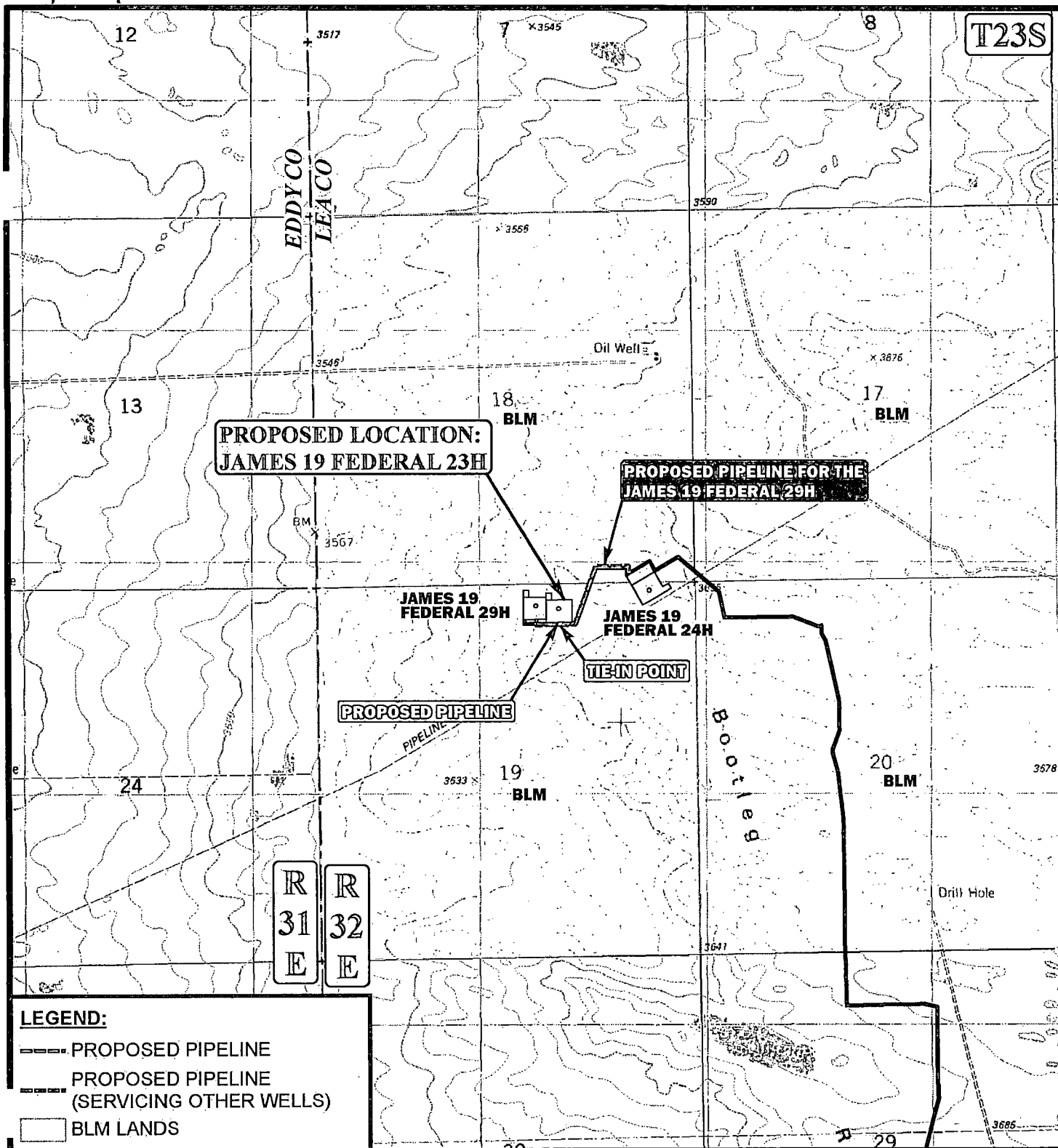
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CIMAREX ENERGY CO.

JAMES 19 FEDERAL 23H
SECTION 19, T23S, R32E, N.M.P.M.
375' FNL 1980' FEL

DRAWN BY: J.S. SCALE: 1" = 400'
DATE: 09-18-13 REV: 11-25-13 B.D.H.

FLOW LINE R-O-W **EXHIBIT G-4**



APPROXIMATE TOTAL PIPELINE DISTANCE 36' +/-

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SCALE: 1" = 2000'

REVISED:

DRAWN BY: J.L.H.

DATE DRAWN: 09-16-13

N



CIMAREX ENERGY CO.

**JAMES 19 FEDERAL 23H
SECTION 19, T23S, R32E, N.M.P.M.
375' FNL 1980' FEL**

PIPELINE MAP

TOPO D



Corporate Office * 85 South 200 East
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Exhibit H

CIMAREX ENERGY CO.
JAMES 19 FEDERAL 23H
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 4,950' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM HIGHWAY 128 TO THE PROPOSED LOCATION IS APPROXIMATELY 6.2 MILES.