

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

<sup>1</sup> API Number 30-025-43554		<sup>2</sup> Pool Code 28432		<sup>3</sup> Pool Name Grama Ridge; Bone Spring, West	
<sup>4</sup> Property Code 317301		<sup>5</sup> Property Name WEST GRAMMA RIDGE & 5 FEDERAL			<sup>6</sup> Well Number 2H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3531.0

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	22S	34E		280	SOUTH	2000	WEST	LEA

<sup>11</sup> 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
LOT 3	5	22S	34E		330	NORTH	1880	WEST	LEA
<sup>12</sup> Dedicated Acres 320.6		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

<sup>16</sup> NOTE:  
Distances referenced on plat to section lines are perpendicular.

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°23'59.06" (32.399739)	
LONGITUDE = 103°29'38.81" (103.494114)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°23'58.61" (32.399614)	
LONGITUDE = 103°29'37.07" (103.493631)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 510172.70 E: 800354.63	
N: 510112.03 E: 759171.89	

NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE = 32°25'37.73" (32.427147)	
LONGITUDE = 103°29'39.97" (103.494436)	
NAD 27 (BOTTOM HOLE LOCATION)	
LATITUDE = 32°25'37.28" (32.427022)	
LONGITUDE = 103°29'38.24" (103.493956)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 520143.35 E: 800176.36	
N: 520082.37 E: 758993.84	

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N11°15'02"W	611.76'

SCALE  
DRAWN BY: S.O. 09-29-16

- = SURFACE HOLE LOCATION
- = BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- ◇ = LANDING POINT

<sup>17</sup> 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.

*Aricka Easterling* 10/26/16  
Signature Date

Aricka Easterling  
Printed Name

aeasterling@cimarex.com  
E-mail Address

<sup>18</sup> SURVEYOR CERTIFICATION

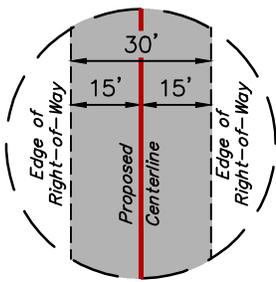
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

September 28, 2016  
Date of Survey

Signature and Seal of Professional Surveyor:  
*Nelson J. Marshall*

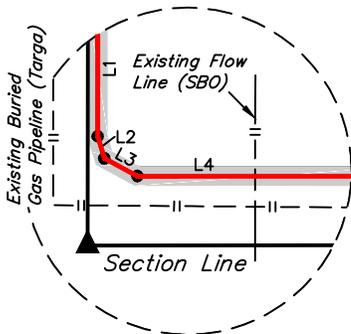
PROFESSIONAL SURVEYOR  
NEW MEXICO  
12446  
NELSON J. MARSHALL  
09-29-16

Certificate Number:



**TYPICAL  
RIGHT-OF-WAY  
DETAIL**  
NO SCALE

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°03'42"W	2718.75'
L2	S16°42'30"E	34.80'
L3	S61°52'25"E	56.60'
L4	N89°59'08"E	1735.47'

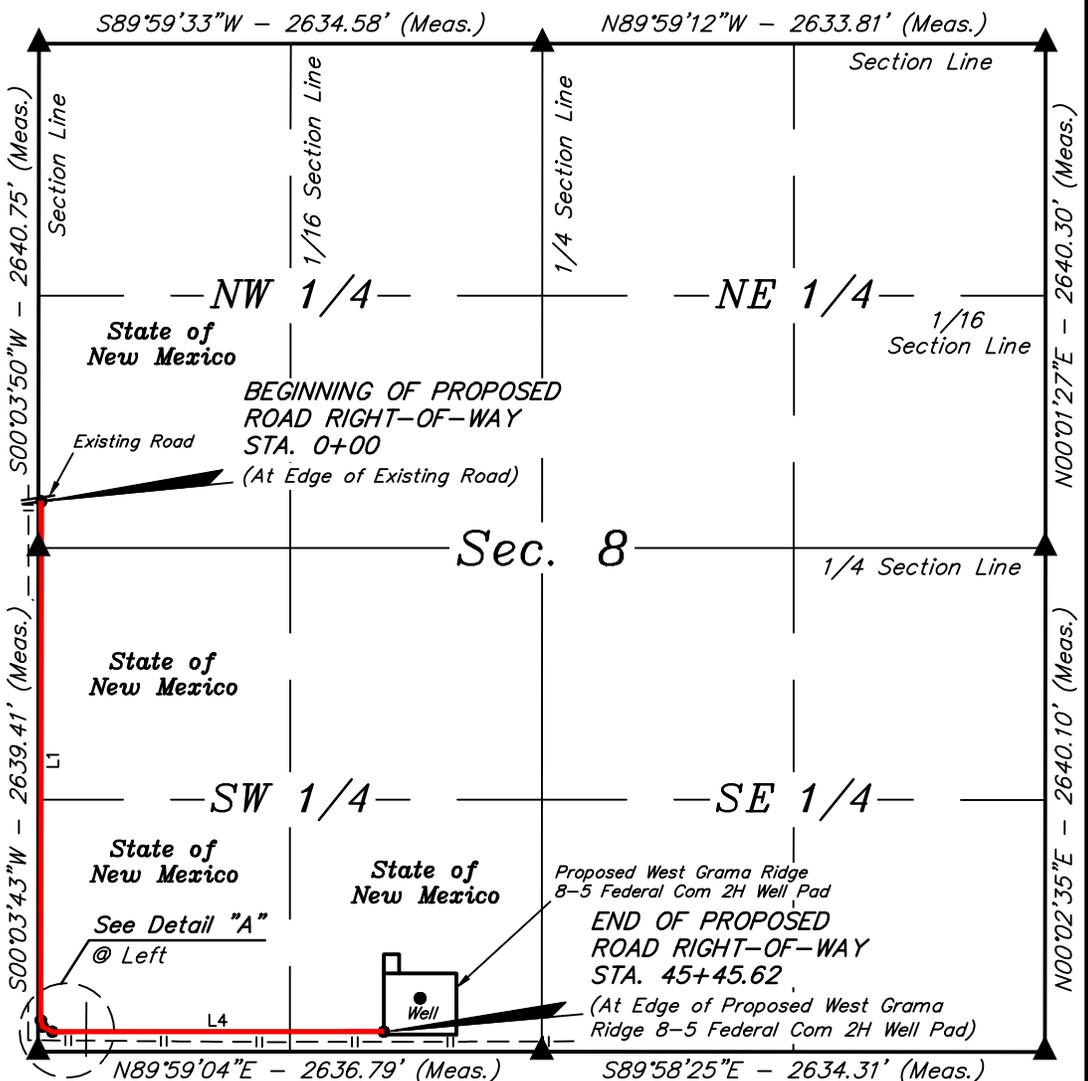


**Detail "A"**  
No Scale



ACREAGE / LENGTH TABLE				
	OWNERSHIP	FEET	RODS	ACRES
(SW 1/4 NW 1/4)	STATE	244.12	14.80	0.168
(NW 1/4 SW 1/4)	STATE	1319.70	79.98	0.909
(SW 1/4 SW 1/4)	STATE	2489.69	150.89	1.715
(SE 1/4 SW 1/4)	STATE	492.10	29.82	0.339
<b>TOTAL</b>		<b>4545.62</b>	<b>275.49</b>	<b>3.131</b>

▲ = SECTION CORNERS LOCATED.



CERTIFICATE OF PROFESSIONAL SURVEY

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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.

10-18-16

FILE: 61096-A1

Sheet 1 of 2

- NOTES:**
- The maximum grade of existing ground for the proposed access road is ±4.9%.
  - Basis of bearing is a G.P.S. observation (Vertical Control Datum: NAVD88)



**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
SECTION 8, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	1" = 1000'
<b>ACCESS ROAD R-O-W</b>		<b>EXHIBIT C-2</b>	



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

# ROAD RIGHT-OF-WAY DESCRIPTION ON STATE OF NEW MEXICO LANDS

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

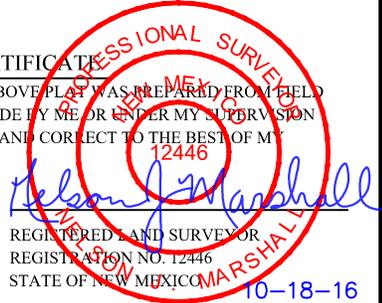
BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 8, T22S, R34E, N.M.P.M., WHICH BEARS N03°34'49"E 244.60' FROM THE WEST 1/4 CORNER OF SAID SECTION 8, THENCE S00°03'42"W 2718.75'; THENCE S16°42'30"E 34.80'; THENCE S61°52'25"E 56.60'; THENCE N89°59'08"E 1735.47' TO A POINT IN THE SE 1/4 SW 1/4 OF SAID SECTION 8, WHICH BEARS N82°47'31"W 832.81' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 8. 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 3.131 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS N03°34'49"E 244.60' FROM THE WEST 1/4 CORNER OF SECTION 8, T22S, R34E, N.M.P.M.

END OF ROAD STA. 45+45.62 BEARS N82°47'31"W 832.80' FROM THE SOUTH 1/4 CORNER OF SECTION 8, T22S, R34E, N.M.P.M.

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H ACCESS ROAD R-O-W			
SECTION CORNER	SECTION CORNER DESC.	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.54"	W 103°30'02.02"
N1/4 COR. SEC. 8, T22S, R34E	IRON PIPE	N 32°24'48.52"	W 103°29'31.29"
NE COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.49"	W 103°29'00.57"
E1/4 COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'22.37"	W 103°29'00.62"
SE COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°23'56.25"	W 103°29'00.67"
S1/4 COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°23'56.28"	W 103°29'31.39"
SW COR. SEC. 8, T22S, R34E	T-POST	N 32°23'56.30"	W 103°30'02.14"
W1/4 COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'22.41"	W 103°30'02.08"

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H ACCESS ROAD R-O-W			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°24'24.83"	W 103°30'01.90"
1	27+18.75	N 32°23'57.93"	W 103°30'01.96"
2	27+53.55	N 32°23'57.60"	W 103°30'01.84"
3	28+10.15	N 32°23'57.34"	W 103°30'01.26"
END	45+45.62	N 32°23'57.33"	W 103°29'41.02"


  
**CERTIFICATE**  
 THIS IS TO CERTIFY THAT THE ABOVE PLAN 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.  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 12446  
 STATE OF NEW MEXICO  
 10-18-16

**FILE: 61096-A2**

*Sheet 2 of 2*



## CIMAREX ENERGY CO.

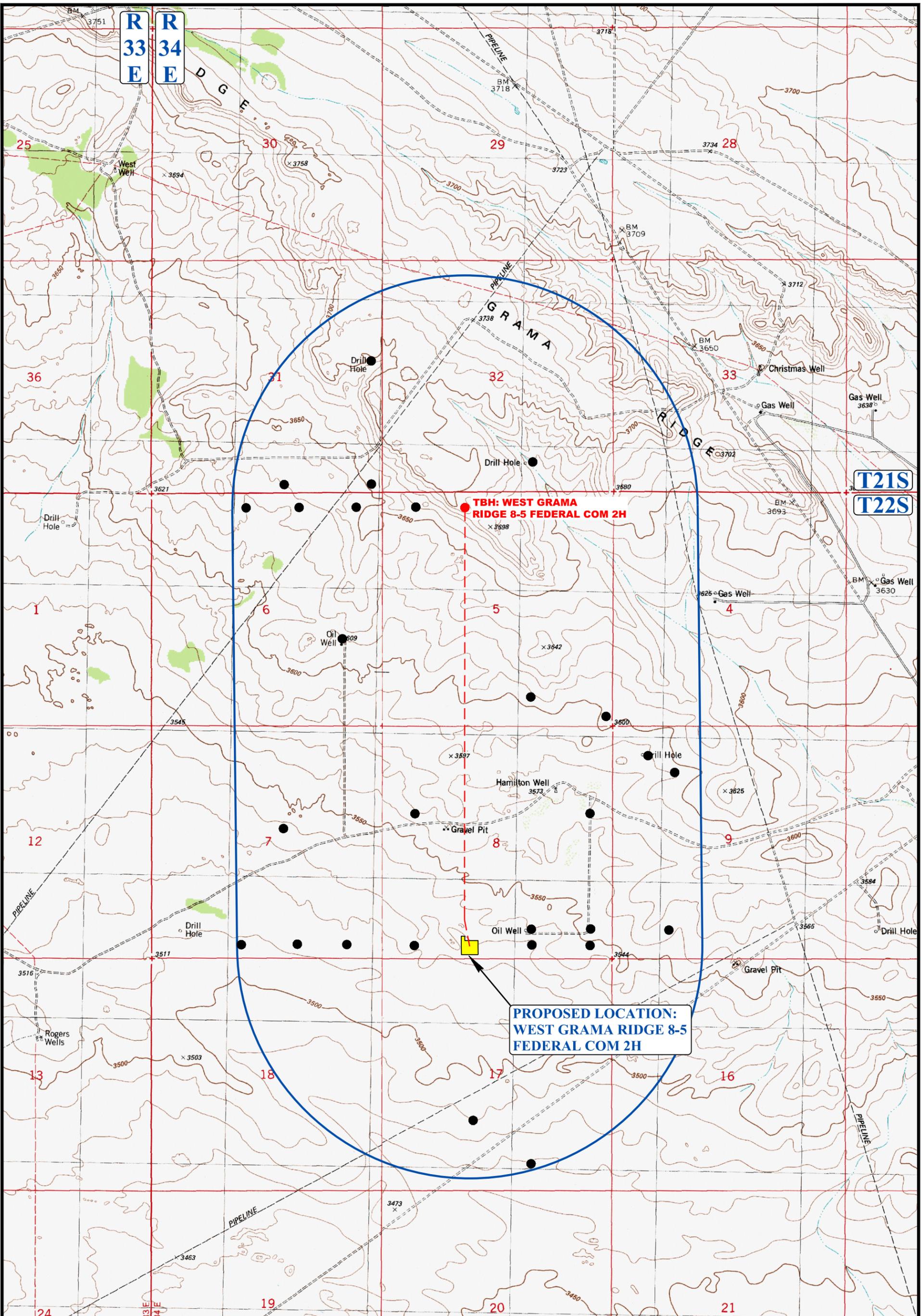
**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
 SECTION 8, T22S, R34E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO**

<b>SURVEYED BY</b>	A.V., A.B., J.J.	09-30-16	<b>SCALE</b>
<b>DRAWN BY</b>	S.F.	10-10-16	1" = 1000'

**ACCESS ROAD R-O-W      EXHIBIT C-2**



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



**LEGEND:**  
 ● EXISTING WELLS



**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H**  
 280' FSL 2000' FWL  
 SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	J.L.G.	10-18-16	1 : 24,000

**1 MILE RADIUS PLAT**      **EXHIBIT A**



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

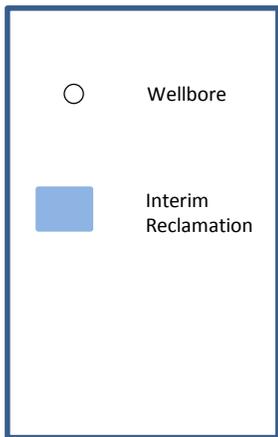
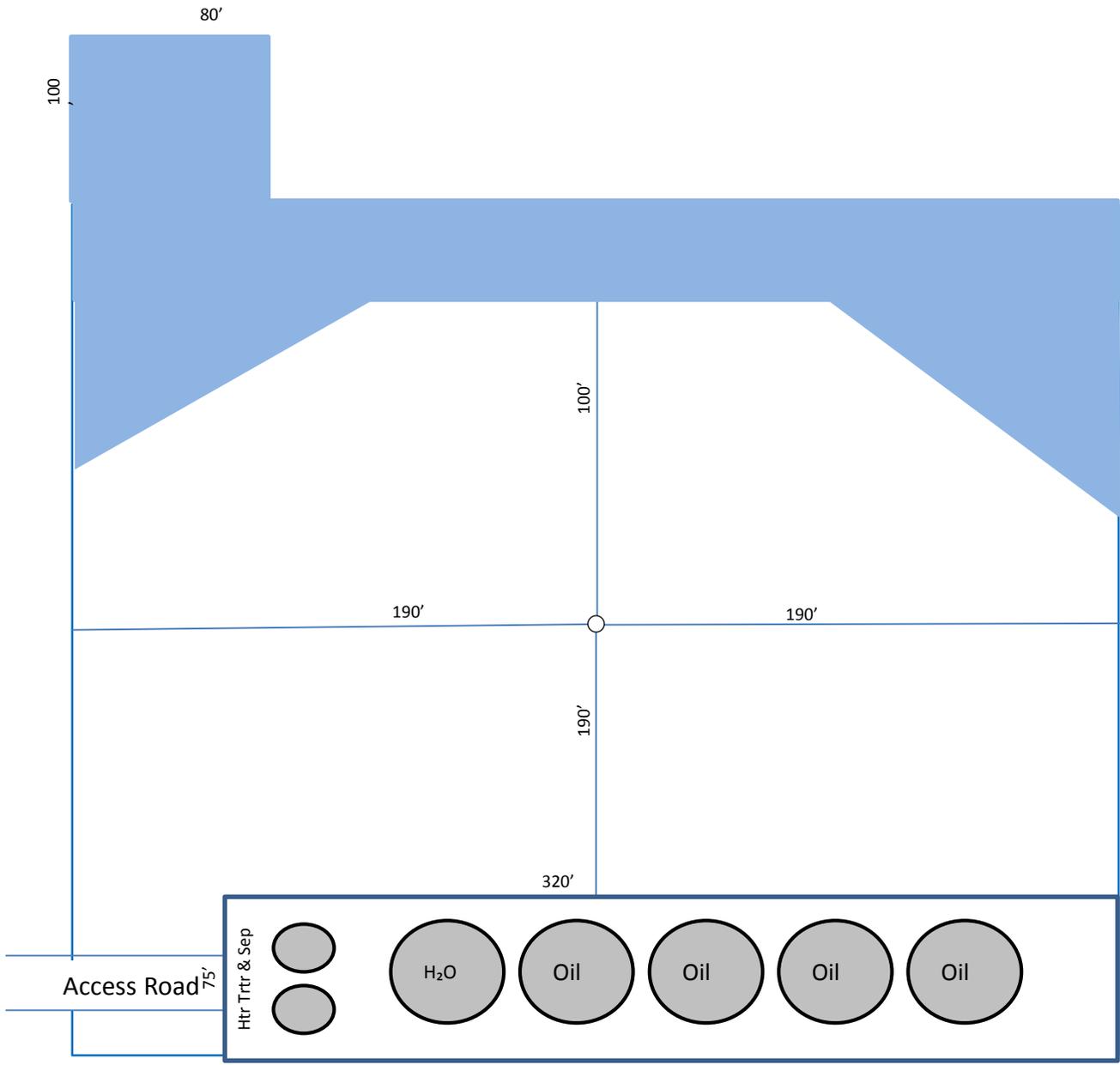
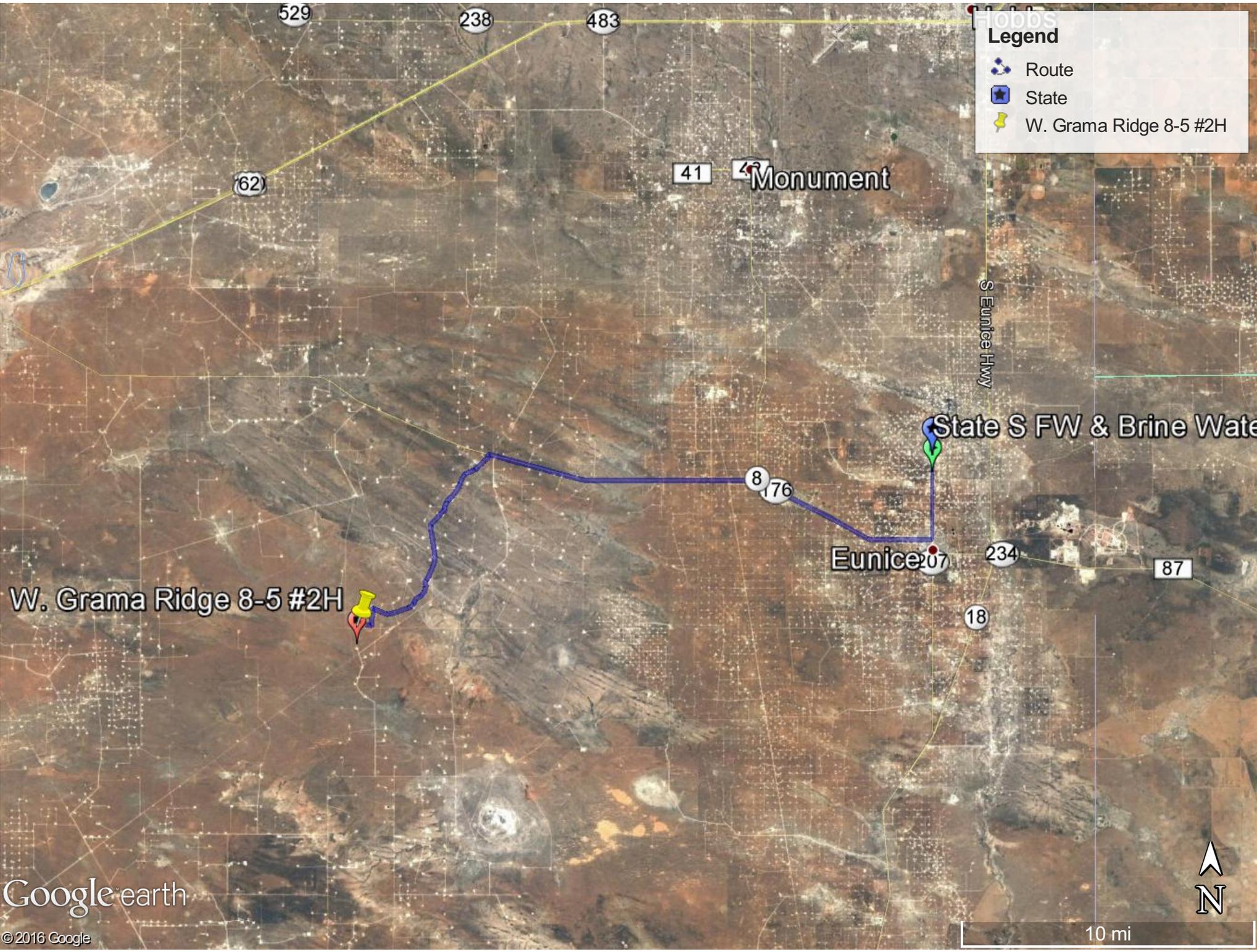


Exhibit D-1  
 Interim Reclamation Diagram  
**West Grama Ridge 8-5 Federal Com 2H**  
 Cimarex Energy Co.  
 8-22S-34E  
 Lea County, NM



**Legend**

- Route
- State
- W. Grama Ridge 8-5 #2H

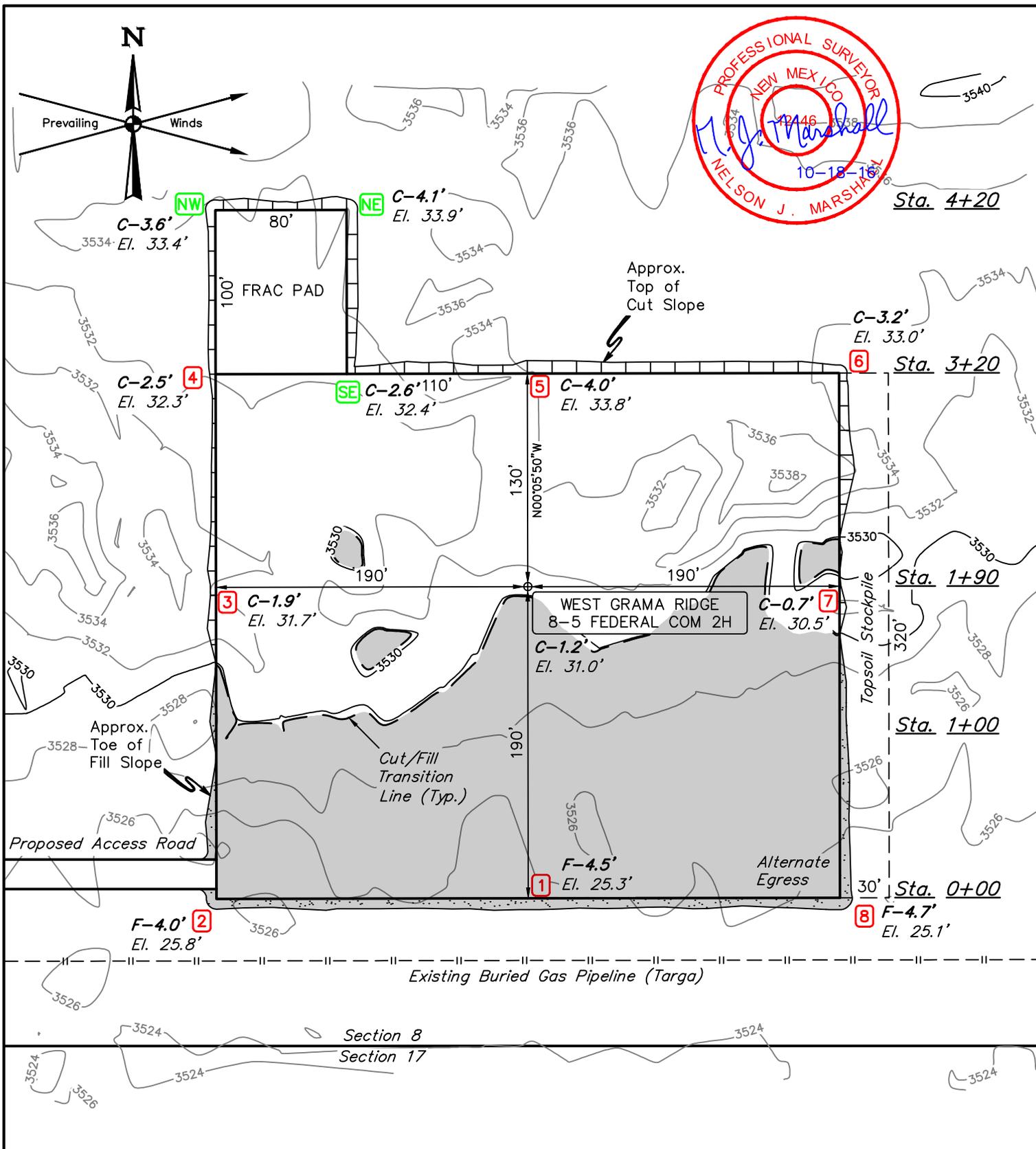
W. Grama Ridge 8-5 #2H

Monument

State S FW & Brine Water

Eunice





**FINISHED GRADE ELEVATION = 3529.8'**

- NOTES:**
- Flare pit is to be located a min. of 100' from the wellhead.
  - Contours shown at 2' intervals.
  - Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
  - Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.

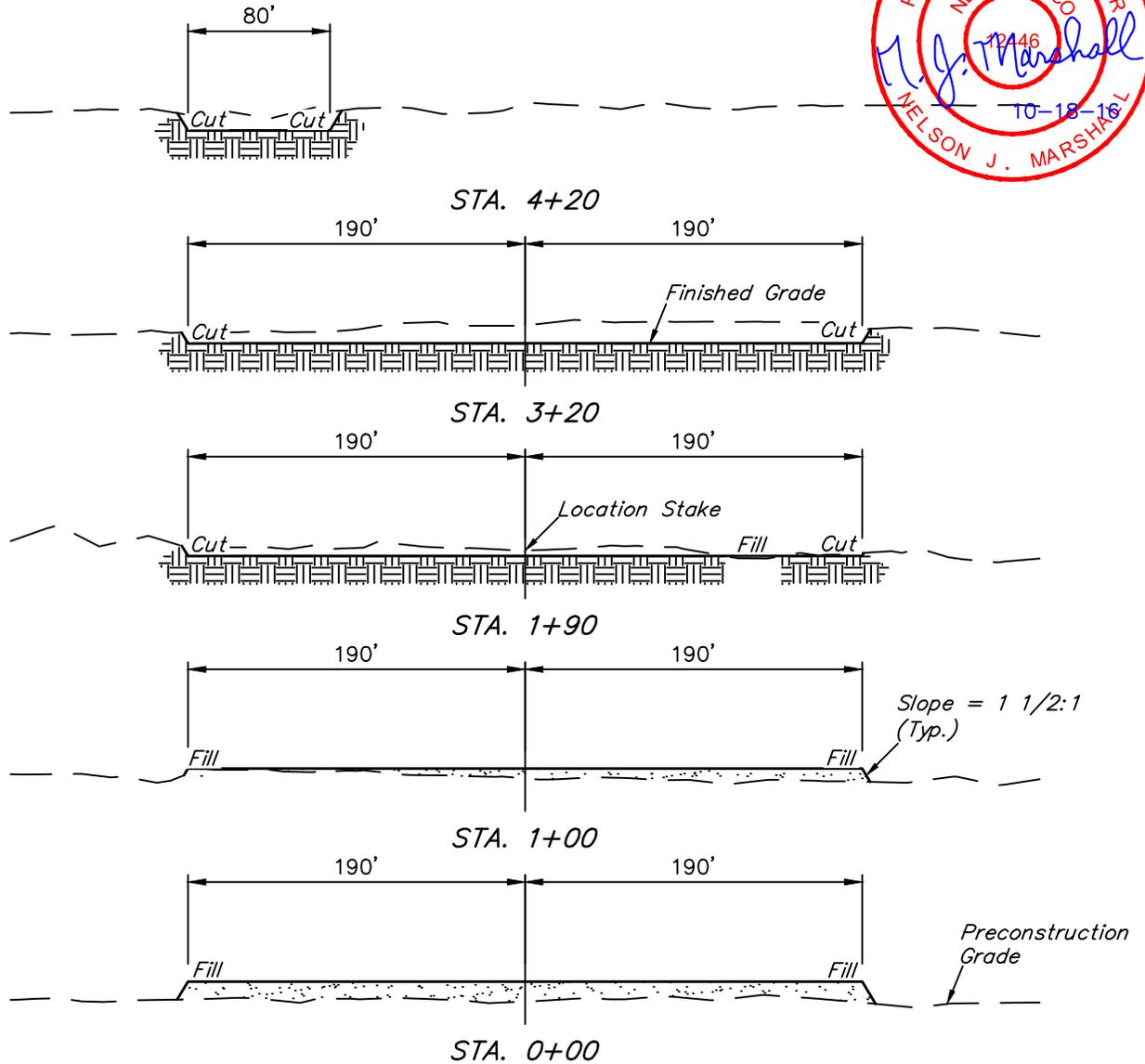
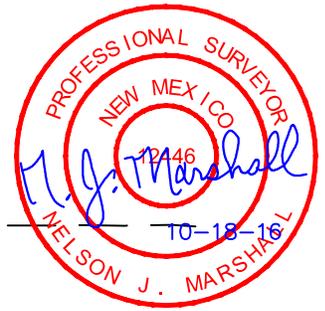
**CIMAREX ENERGY CO.**  
**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H**  
**280' FSL 2000' FWL**  
**SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.**  
**LEA COUNTY, NEW MEXICO**



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

<b>SURVEYED BY</b>	A.V., A.B., J.J.	09-30-16	<b>SCALE</b>
<b>DRAWN BY</b>	S.F.	10-10-16	1" = 80'
<b>LOCATION LAYOUT</b>		<b>EXHIBIT D</b>	

X-Section Scale  
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(4") TOPSOIL STRIPPING	1,710 Cu. Yds.
REMAINING LOCATION	6,600 Cu. Yds.
<b>TOTAL CUT</b>	<b>8,310 Cu. Yds.</b>
<b>FILL</b>	<b>6,600 Cu. Yds.</b>
EXCESS MATERIAL	1,710 Cu. Yds.
TOPSOIL	1,710 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±3.358
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±4,545.62'	±3.131
30' WIDE PIPELINE R-O-W DISTURBANCE	±37.86'	±0.026
30' WIDE SWD FLOWLINE R-O-W DISTURBANCE	±43,348.34'	±29.854
30' WIDE POWER LINE R-O-W DISTURBANCE	±11,501.16'	±7.921
<b>TOTAL SURFACE USE AREA</b>		<b>±44.290</b>

**NOTES:**

- Fill quantity includes 5% for compaction.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)

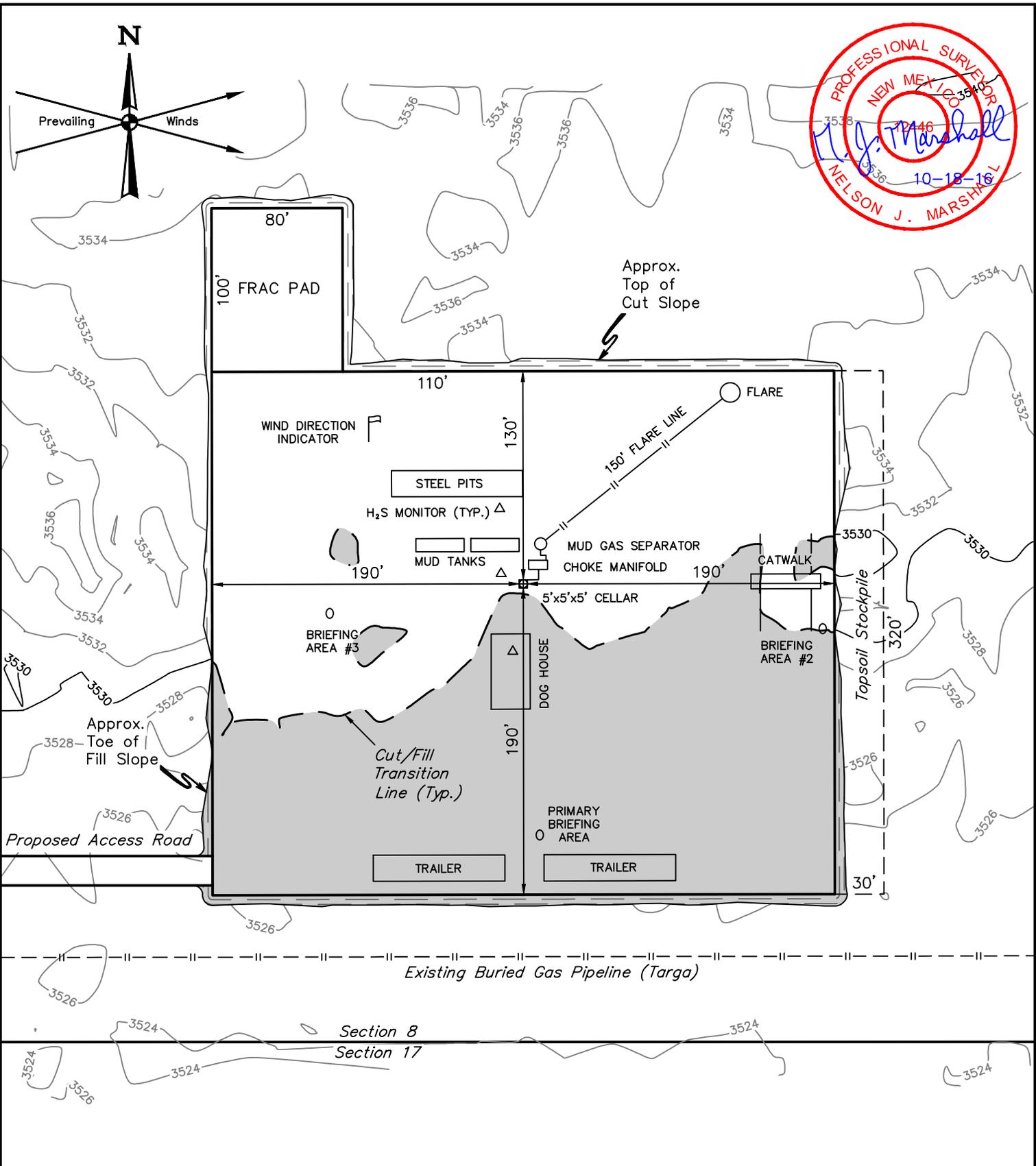
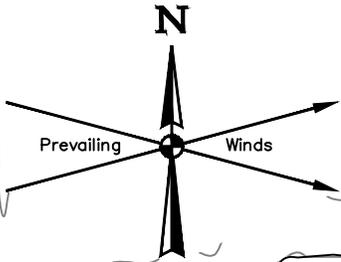
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H**  
**280' FSL 2000' FWL**  
**SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.**  
**LEA COUNTY, NEW MEXICO**

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	AS SHOWN
<b>TYPICAL CROSS SECTIONS</b>			<b>EXHIBIT D</b>



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



**NOTES:**

- Contours shown at 2' intervals.

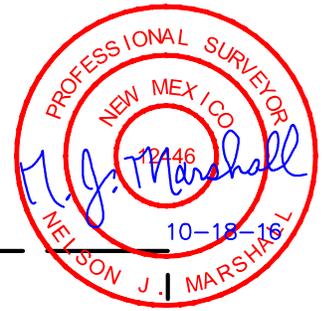
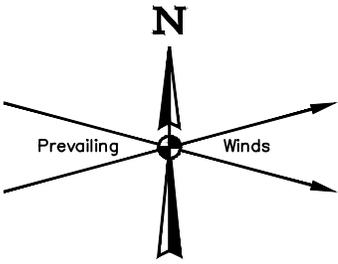
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H**  
**280' FSL 2000' FWL**  
**SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.**  
**LEA COUNTY, NEW MEXICO**



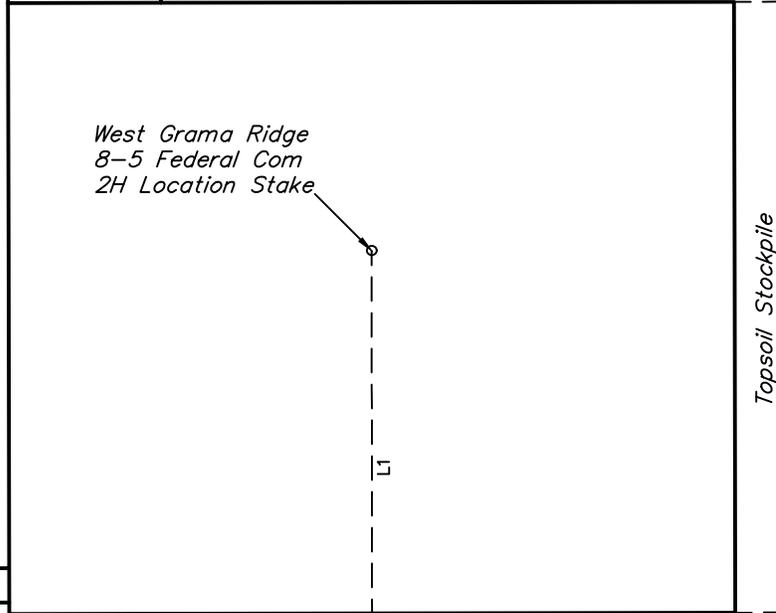
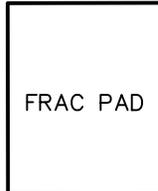
**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

<b>SURVEYED BY</b>	A.V., A.B., J.J.	09-30-16	<b>SCALE</b>
<b>DRAWN BY</b>	S.F.	10-10-16	1" = 80'
<b>TYPICAL RIG LAYOUT</b>		<b>EXHIBIT D</b>	



600' X 600' Archaeological Survey Boundary

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	SOUTH	228'



Proposed Access Road

Existing Buried Gas Pipeline (Targa)

Section 8  
Section 17

**NOTES:**

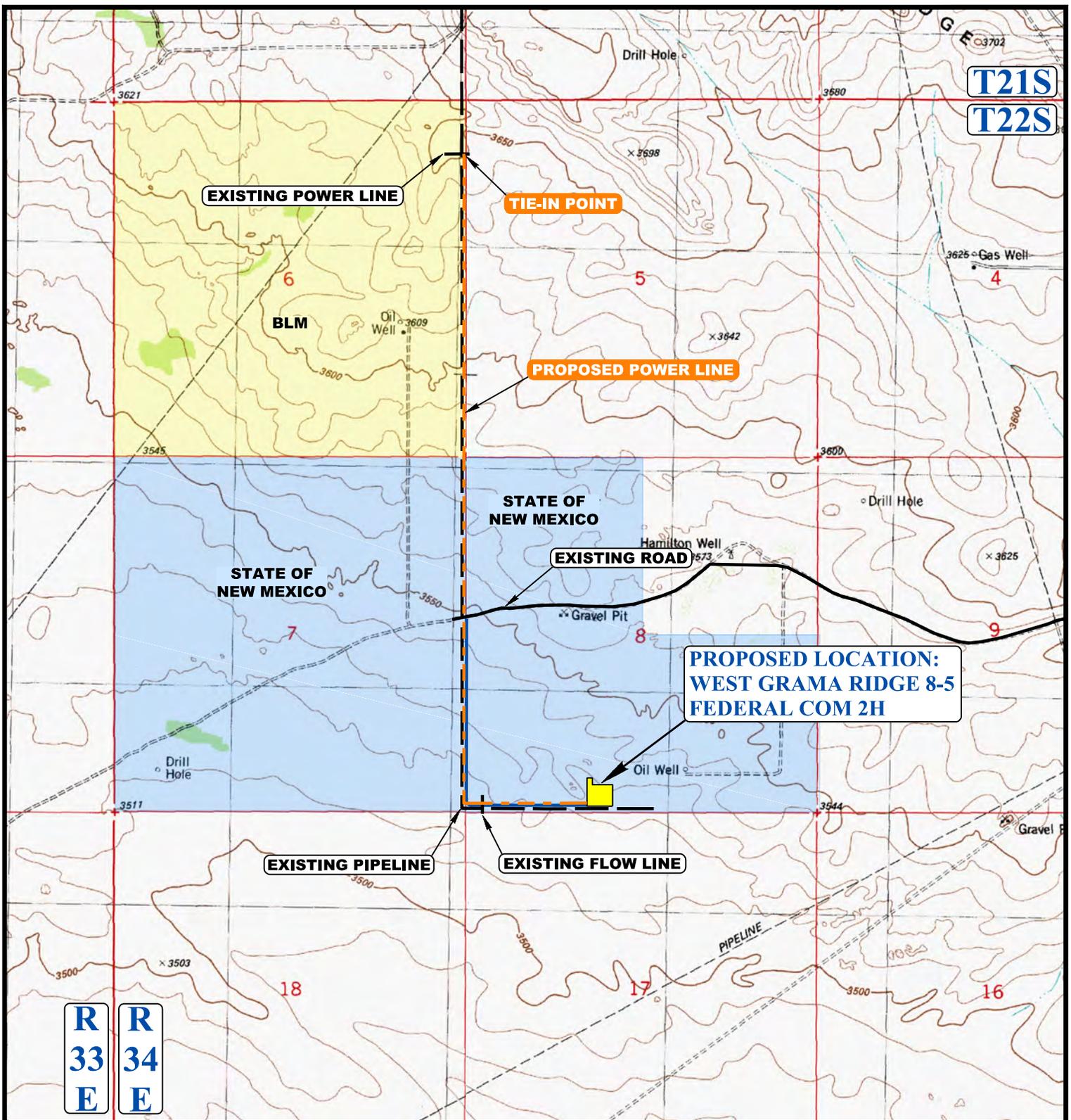
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
280' FSL 2000' FWL  
SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

<b>SURVEYED BY</b>	A.V., A.B., J.J.	09-30-16	<b>SCALE</b>
<b>DRAWN BY</b>	S.F.	10-10-16	1" = 100'
<b>ARCHAEOLOGICAL SURVEY BOUNDARY</b>			<b>EXHIBIT D</b>



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



**APPROXIMATE TOTAL POWER LINE DISTANCE = 11,501' +/-**

NOTE: 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 AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

**LEGEND:**

- EXISTING ROAD
- PROPOSED ROAD
- PROPOSED POWER LINE
- EXISTING PIPELINE / FLOW LINE
- EXISTING POWER LINE



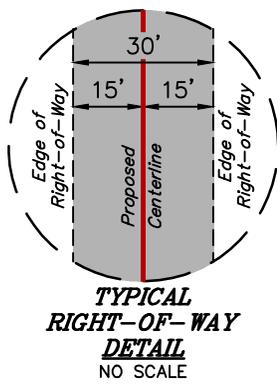
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H**  
 280' FSL 2000' FWL  
 SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO

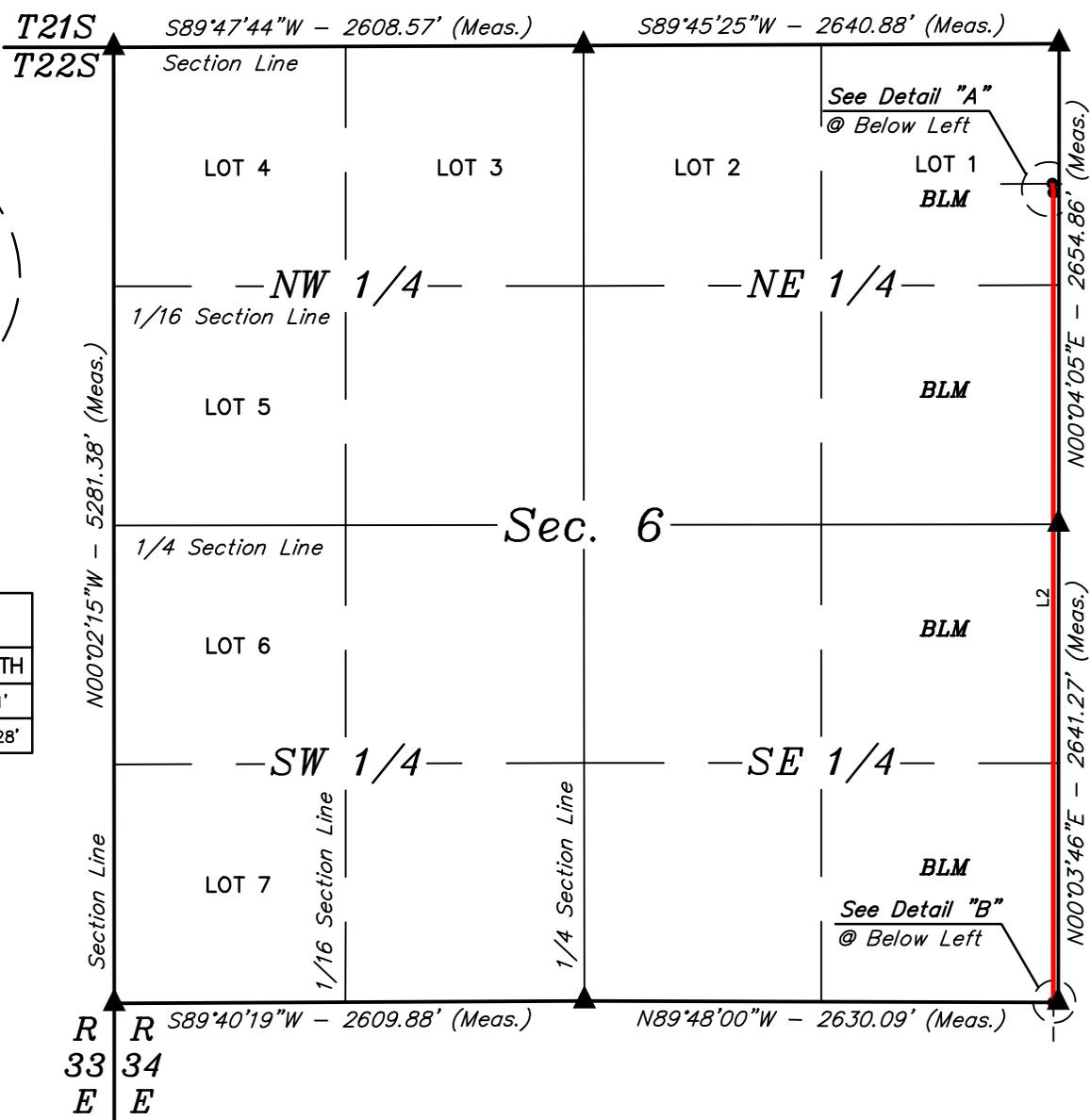
SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	J.L.G.	10-18-16	1 : 24,000
<b>ELECTRIC R-O-W</b>			<b>EXHIBIT H</b>



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

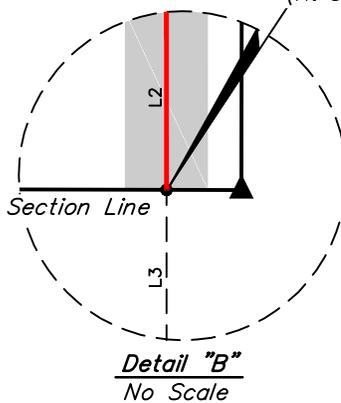
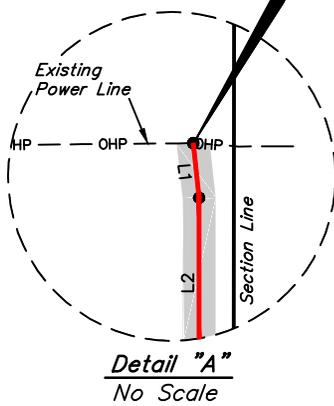


LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S06°12'29"E	50.01'
L2	S00°00'22"W	4473.28'



**BEGINNING OF PROPOSED  
POWER LINE RIGHT-OF-WAY  
STA. 0+00**  
(At Existing Power Line)

**END OF PROPOSED POWER LINE  
RIGHT-OF-WAY ON BLM LANDS  
IN SEC. 6 STA. 45+23.29**  
(At Section Line)



ACREAGE / LENGTH TABLE				
	OWNERSHIP	FEET	RODS	ACRES
(NE 1/4)	BLM	1882.15	114.07	1.296
(SE 1/4)	BLM	2641.14	160.06	1.818
TOTAL		4523.29	274.13	3.114

**CERTIFICATE**  
 THIS IS TO CERTIFY THAT THE ABOVE PLAN 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.

**PROFESSIONAL SURVEYOR**  
**NELSON J. MARSHALL**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 12446  
 STATE OF NEW MEXICO  
 10-18-16

▲ = SECTION CORNERS LOCATED.

FILE: 61098-A1

Sheet 1 of 2

**NOTES:**  
 • Basis of bearing is a G.P.S. observation (Vertical Control Datum: NAVD88)



**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
SECTION 6, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	1" = 1000'
<b>POWER LINE R-O-W</b>			<b>EXHIBIT H</b>



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

**POWER LINE RIGHT-OF-WAY DESCRIPTION ON BLM LANDS**

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

BEGINNING AT A POINT IN LOT 1 OF SECTION 6, T22S, R34E, N.M.P.M., WHICH BEARS S02°48'57"W 773.97' FROM THE NORTHEAST CORNER OF SAID SECTION 6, THENCE S06°12'29"E 50.01'; THENCE S00°00'22"W 4473.28' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 6, WHICH BEARS N89°48'00"W 27.06' FROM THE SOUTHEAST CORNER OF SAID SECTION 6. 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 3.114 ACRES MORE OR LESS.

BEGINNING OF POWER LINE STA. 0+00 BEARS  
S02°48'57"W 773.97' FROM THE NORTHEAST CORNER OF  
SECTION 6, T22S, R34E, N.M.P.M.

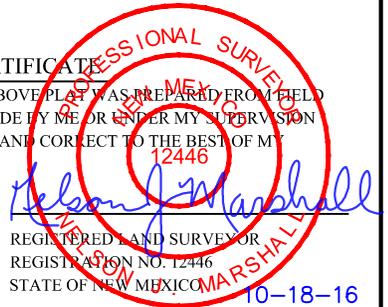
END OF POWER LINE ON BLM LANDS IN SEC. 6 STA.  
45+23.29 BEARS N89°48'00"W 27.06' FROM THE  
SOUTHEAST CORNER OF SECTION 6, T22S, R34E, N.M.P.M.

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H POWER LINE R-O-W			
SECTION CORNER	SECTION CORNER DESC.	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 6, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°25'40.77"	W 103°31'03.13"
N1/4 COR. SEC. 6, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°25'40.84"	W 103°30'32.70"
NE COR. SEC. 6, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°25'40.93"	W 103°30'01.90"
E1/4 COR. SEC. 6, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°25'14.67"	W 103°30'01.96"
SE COR. SEC. 6, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.54"	W 103°30'02.02"
S1/4 COR. SEC. 6, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.65"	W 103°30'32.69"
SW COR. SEC. 6, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.52"	W 103°31'03.13"

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H POWER LINE R-O-W			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°25'33.29"	W 103°30'02.35"
1	0+50.01	N 32°25'32.79"	W 103°30'02.29"
END	45+23.29	N 32°24'48.54"	W 103°30'02.33"

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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.


  
 REGISTERED PROFESSIONAL SURVEYOR  
 REGISTRATION NO. 12446  
 STATE OF NEW MEXICO  
 10-18-16

FILE: 61098-A2

Sheet 2 of 2

**NOTES:**

- Basis of bearing is a G.P.S. observation (Vertical Control Datum: NAVD88)



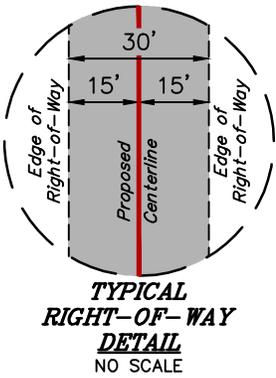
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
SECTION 6, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

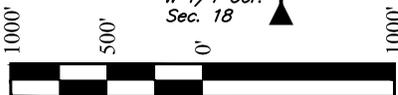
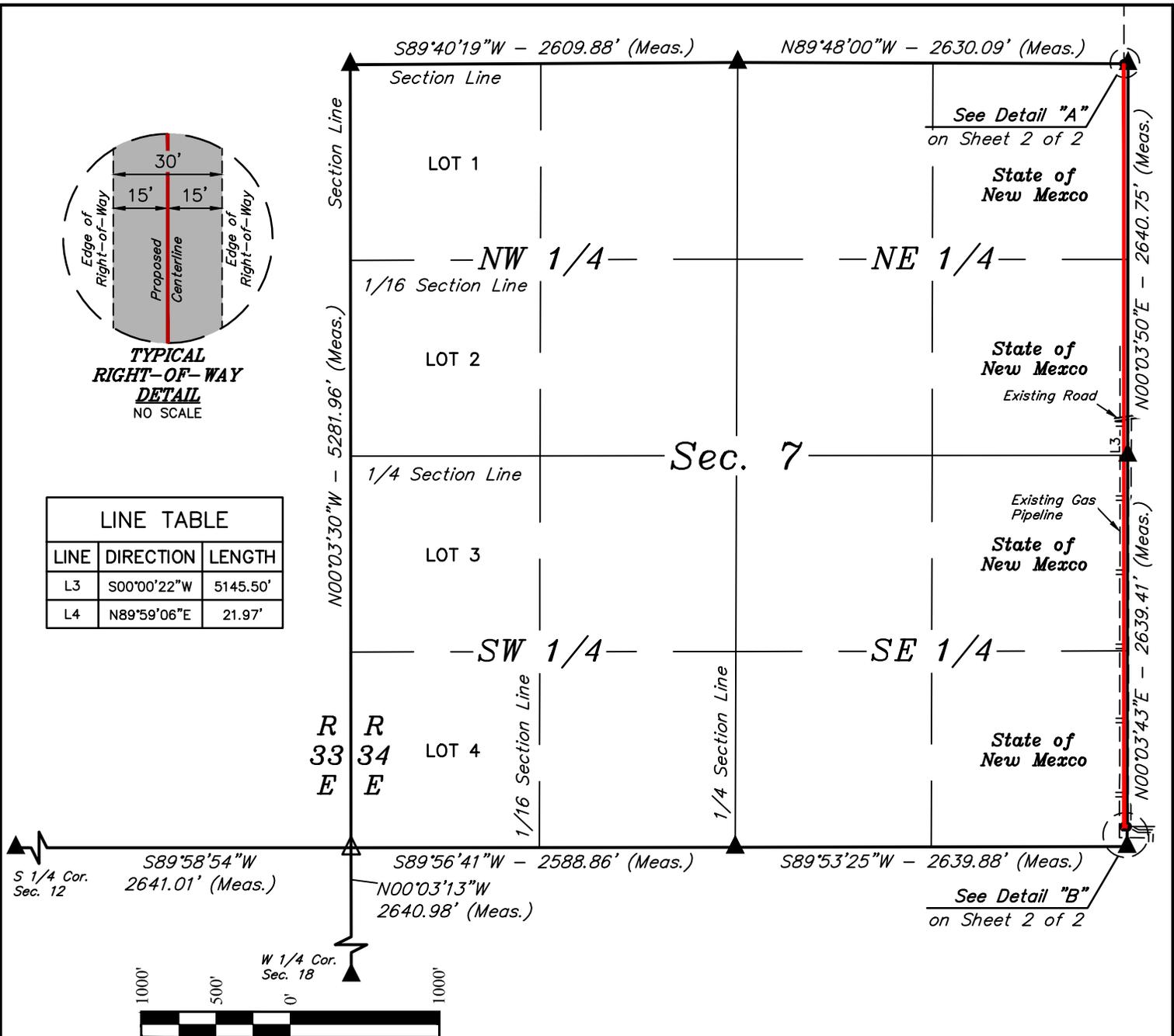
SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	N/A
<b>POWER LINE R-O-W</b>			<b>EXHIBIT H</b>



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



LINE TABLE		
LINE	DIRECTION	LENGTH
L3	S00°00'22"W	5145.50'
L4	N89°59'06"E	21.97'



ACREAGE / LENGTH TABLE				
	OWNERSHIP	FEET	RODS	ACRES
(NE 1/4 NE 1/4)	STATE	1320.44	80.03	0.909
(NW 1/4 SW 1/4)	STATE	1320.43	80.03	0.909
(NE 1/4 SE 1/4)	STATE	1319.71	79.98	0.909
(SE 1/4 SE 1/4)	STATE	1206.88	73.14	0.831
TOTAL		5167.47	313.18	3.559

- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNER RE-ESTABLISHED BY DOUBLE PROPORTION. (Not Set on Ground.)

**CERTIFICATE OF PROFESSIONAL SURVEYOR**

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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 J. Marshall*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 12446  
STATE OF NEW MEXICO

10-18-16

**NOTES:**

- Basis of bearing is a G.P.S. observation (Vertical Control Datum: NAVD88)

FILE: 61098-B1 Sheet 1 of 2

**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
SECTION 7, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	1" = 1000'

**POWER LINE R-O-W** **EXHIBIT H**

# POWER LINE RIGHT-OF-WAY DESCRIPTION ON STATE OF NEW MEXICO LANDS

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

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 NE 1/4 OF SECTION 7, T22S, R34E, N.M.P.M., WHICH BEARS N89°48'00"W 27.06' FROM THE NORTHEAST CORNER OF SAID SECTION 7, THENCE S00°00'22"W 5145.50'; THENCE N89°59'06"E 21.97' TO A POINT ON THE EAST LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 7, WHICH BEARS N00°03'43"E 134.76' FROM THE SOUTHEAST CORNER OF SAID SECTION 7. 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 3.559 ACRES MORE OR LESS.

BEGINNING OF POWER LINE ON STATE OF NEW MEXICO LANDS IN SEC. 7 STA. 45+23.29 BEARS N89°48'00"W 27.06' FROM THE NORTHEAST CORNER OF SECTION 7, T22S, R34E, N.M.P.M.

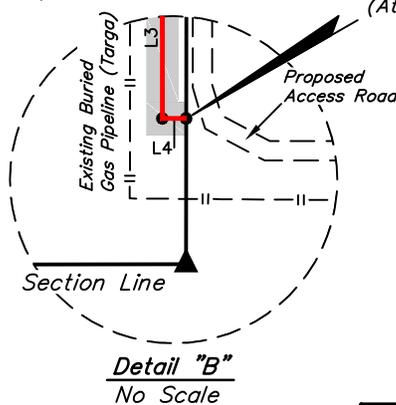
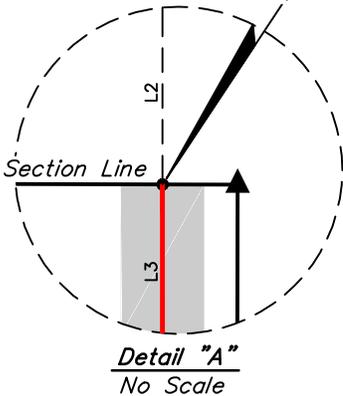
END OF POWER LINE ON STATE OF NEW MEXICO LANDS IN SEC. 7 STA. 96+90.76 BEARS N00°03'43"E 134.76' FROM THE SOUTHEAST CORNER OF SECTION 7, T22S, R34E, N.M.P.M.

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H POWER LINE R-O-W			
SECTION CORNER	SECTION CORNER DESC.	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 7, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.52"	W 103°31'03.13"
N1/4 COR. SEC. 7, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.65"	W 103°30'32.69"
NE COR. SEC. 7, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.54"	W 103°30'02.02"
E1/4 COR. SEC. 7, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'22.41"	W 103°30'02.08"
SE COR. SEC. 7, T22S, R34E	T-POST	N 32°23'56.30"	W 103°30'02.14"
S1/4 COR. SEC. 7, T22S, R34E	T-POST	N 32°23'56.27"	W 103°30'32.92"
SW COR. SEC. 7, T22S, R34E	RE-ESTABLISHED BY DOUBLE PROPORTION	N 32°23'56.26"	W 103°31'03.11"

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H POWER LINE R-O-W			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	45+23.29	N 32°24'48.54"	W 103°30'02.33"
1	96+68.79	N 32°23'57.63"	W 103°30'02.39"
END	96+90.76	N 32°23'57.63"	W 103°30'02.13"

*BEGINNING OF PROPOSED POWER LINE RIGHT-OF-WAY ON STATE OF NEW MEXICO LANDS IN SEC. 7 STA. 45+23.29 (At Section Line)*

*END OF PROPOSED POWER LINE RIGHT-OF-WAY ON STATE OF NEW MEXICO LANDS IN SEC. 7 STA. 96+90.76 (At Section Line)*



CERTIFICATE OF PROFESSIONAL SURVEY

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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 J. Marshall*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 12446  
 STATE OF NEW MEXICO

10-18-16

FILE: 61098-B2

Sheet 2 of 2

NOTES:  
 • Basis of bearing is a G.P.S. observation (Vertical Control Datum: NAVD88)



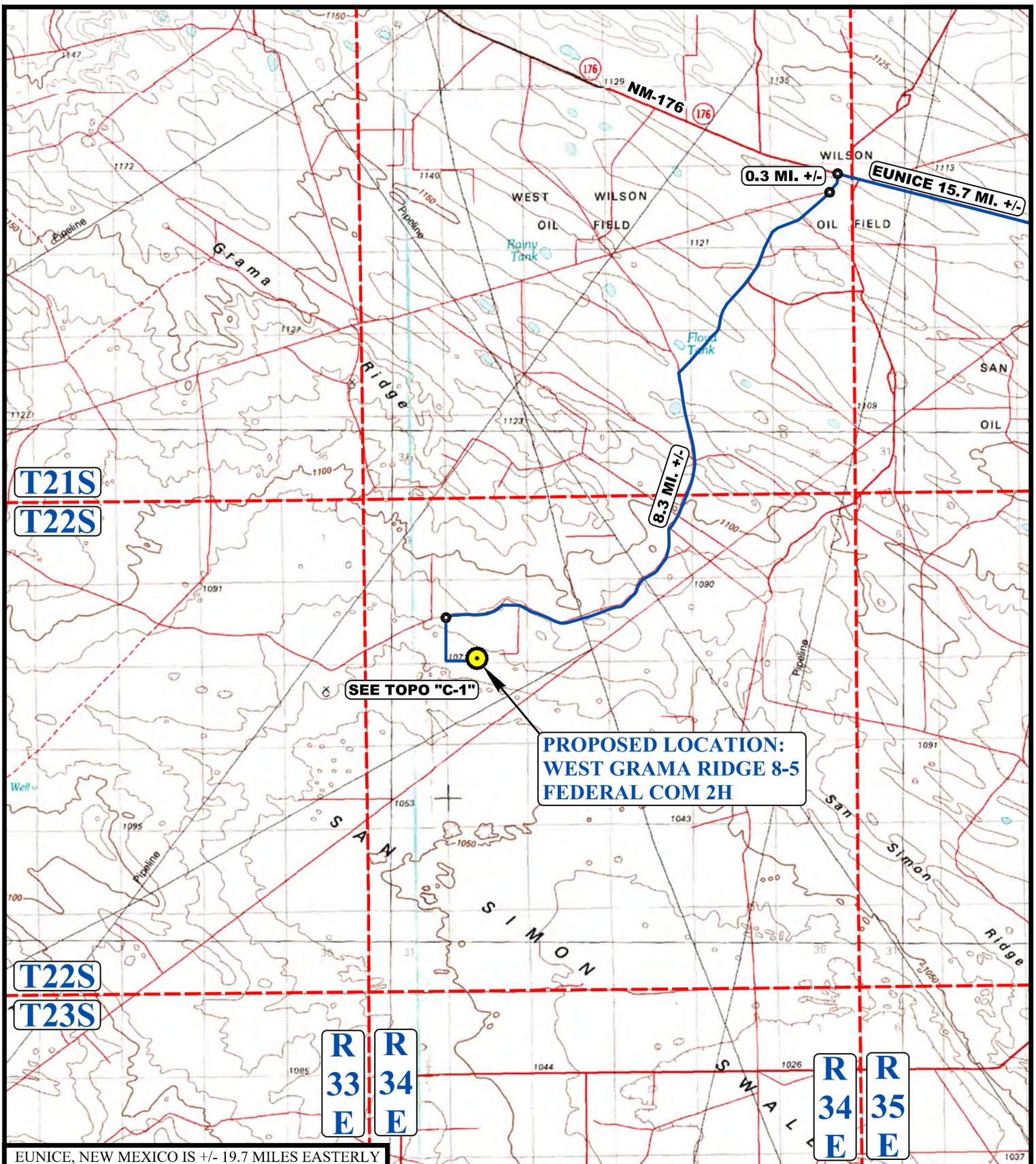
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H SECTION 7, T22S, R34E, N.M.P.M. LEA COUNTY, NEW MEXICO**

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	N/A
<b>POWER LINE R-O-W</b>			<b>EXHIBIT H</b>



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



EUNICE, NEW MEXICO IS +/- 19.7 MILES EASTERLY

**LEGEND:**

 PROPOSED LOCATION



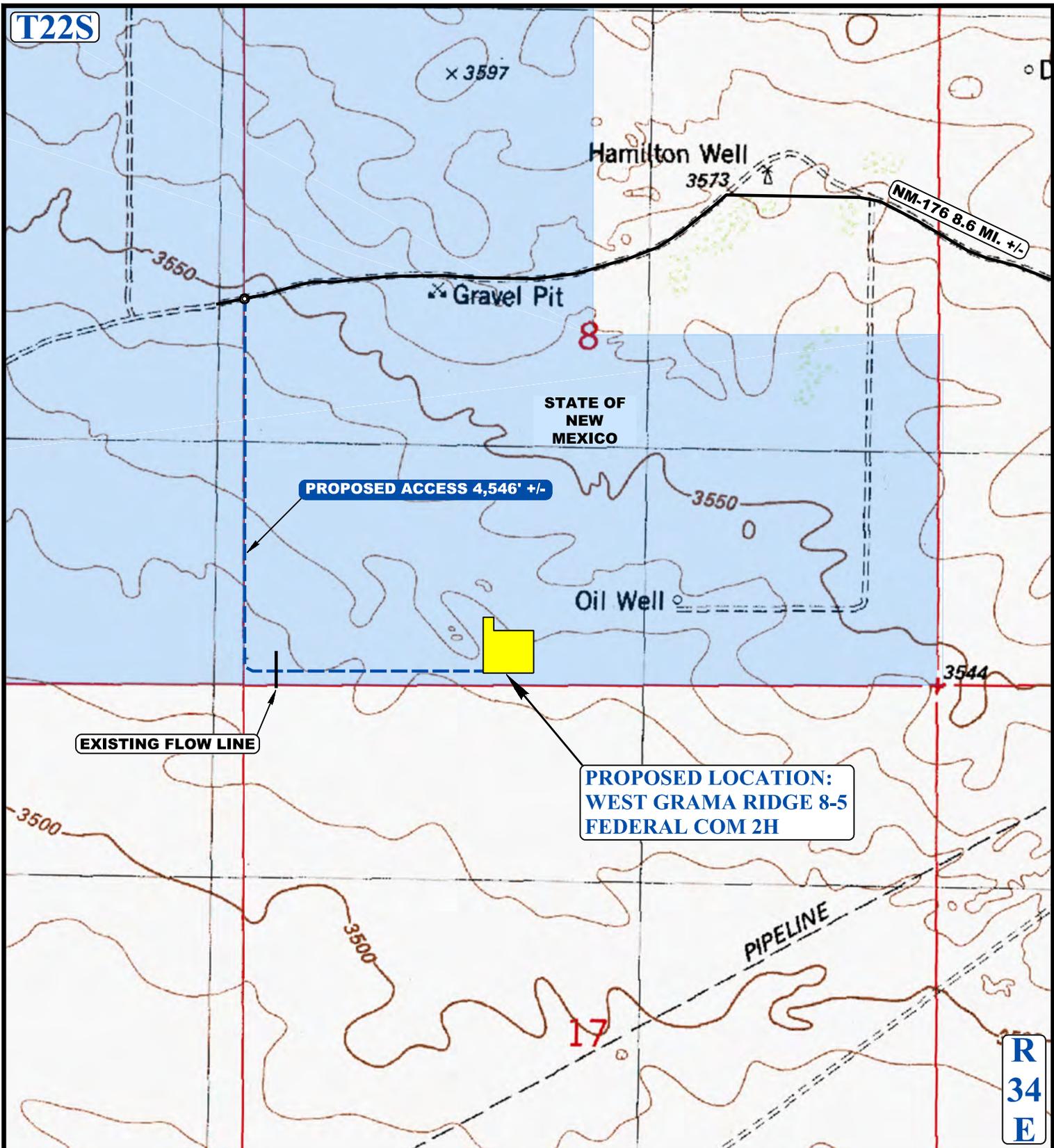
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H**  
 280' FSL 2000' FWL  
 SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	J.L.G.	10-18-16	1 : 100,000
<b>PUBLIC ACCESS ROAD MAP</b>			<b>EXHIBIT B</b>



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



NOTE: 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 AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

**LEGEND:**

- EXISTING ROAD
- - - EXISTING PIPELINE / FLOW LINE
- - - PROPOSED ROAD

**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H**  
280' FSL 2000' FWL  
SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	J.L.G.	10-18-16	1 : 12,000

**U. N. T. A. H.**  
ENGINEERING & LAND SURVEYING

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

**TOPOGRAPHIC MAP** **EXHIBIT C-1**

BEGINNING AT THE INTERSECTION OF NM-176 AND AN EXISTING ROAD TO THE SOUTH (LOCATED IN SECTION 13, T21N, R36E, N.M.P.M.) PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 8.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 4,546' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM THE INTERSECTION OF NM-176 AND AN EXISTING ROAD TO THE SOUTH (LOCATED IN SECTION 13, T21N, R36E, N.M.P.M.) TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 9.5 MILES.

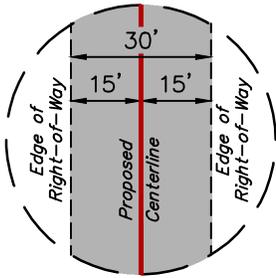
**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
280' FSL 2000' FWL  
SE 1/4 SW 1/4, SECTION 8, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

<b>SURVEYED BY</b>	A.V., A.B., J.J.	09-30-16	
<b>DRAWN BY</b>	J.L.G.	10-18-16	
<b>ROAD DESCRIPTION</b>		<b>EXHIBIT J</b>	

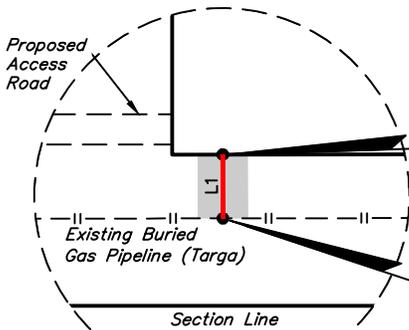
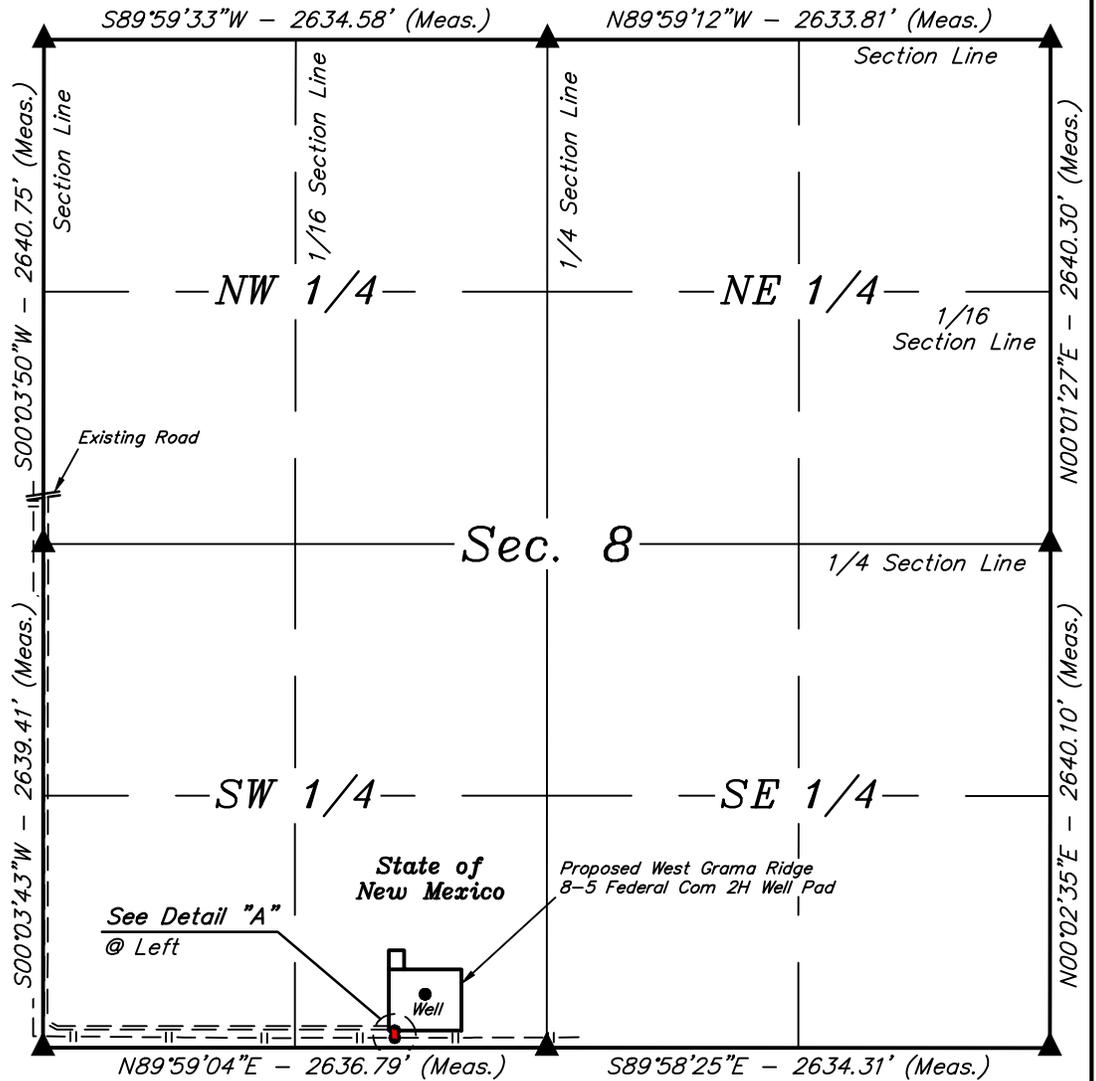


**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



**TYPICAL  
RIGHT-OF-WAY  
DETAIL**  
NO SCALE

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°05'25"E	37.86'



**Detail "A"**  
No Scale

**BEGINNING OF PROPOSED  
PIPELINE RIGHT-OF-WAY  
STA. 0+00**  
(At Edge of Proposed West Grama  
Ridge 8-5 Federal Com 2H Well Pad)

**END OF PROPOSED  
PIPELINE RIGHT-OF-WAY  
STA. 0+37.86**  
(At Existing Gas Pipeline)



ACREAGE / LENGTH TABLE			
OWNERSHIP	FEET	RODS	ACRES
STATE	37.86	2.29	0.026

▲ = SECTION CORNERS LOCATED.

**CERTIFICATE OF PROFESSIONAL SURVEYOR**  
 THIS IS TO CERTIFY THAT THE ABOVE PLAN 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.  
 12446  
 Nelson J. Marshall  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 12446  
 STATE OF NEW MEXICO  
 10-18-16

FILE: 61097-A1

Sheet 1 of 2

**NOTES:**  
 • Basis of bearing is a G.P.S. observation (Vertical Control Datum: NAVD88)



**CIMAREX ENERGY CO.**

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
SECTION 8, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	1" = 1000'
<b>PIPELINE R-O-W</b>			<b>EXHIBIT G</b>



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

# PIPELINE RIGHT-OF-WAY DESCRIPTION ON STATE OF NEW MEXICO LANDS

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

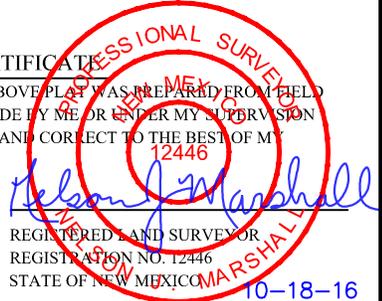
BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 8, T22S, R34E, N.M.P.M., WHICH BEARS N83°34'56"W 801.20' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 8, THENCE S00°05'25"E 37.86' TO A POINT IN THE SE 1/4 SW 1/4 OF SAID SECTION 8, WHICH BEARS N86°17'04"W 797.80' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 8. 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 0.026 ACRES MORE OR LESS.

BEGINNING OF PIPELINE STA. 0+00 BEARS  
N83°34'56"W 801.20' FROM THE SOUTH 1/4  
CORNER OF SECTION 8, T22S, R34E, N.M.P.M.

END OF PIPELINE STA. 0+37.86 BEARS  
N86°17'04"W 797.80' FROM THE SOUTH 1/4  
CORNER OF SECTION 8, T22S, R34E, N.M.P.M.

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H PIPELINE R-O-W			
SECTION CORNER	SECTION CORNER DESC.	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.54"	W 103°30'02.02"
N1/4 COR. SEC. 8, T22S, R34E	IRON PIPE	N 32°24'48.52"	W 103°29'31.29"
NE COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'48.49"	W 103°29'00.57"
E1/4 COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'22.37"	W 103°29'00.62"
SE COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°23'56.25"	W 103°29'00.67"
S1/4 COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°23'56.28"	W 103°29'31.39"
SW COR. SEC. 8, T22S, R34E	T-POST	N 32°23'56.30"	W 103°30'02.14"
W1/4 COR. SEC. 8, T22S, R34E	IRON PIPE WITH BRASS CAP	N 32°24'22.41"	W 103°30'02.08"

WEST GRAMA RIDGE 8-5 FEDERAL COM 2H PIPELINE R-O-W			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°23'57.18"	W 103°29'40.67"
END	0+37.86	N 32°23'56.80"	W 103°29'40.67"



CERTIFICATE  
 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.  
 12446  
*Nelson J. Marshall*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 12446  
 STATE OF NEW MEXICO  
 10-18-16

FILE: 61097-A2

Sheet 2 of 2



## CIMAREX ENERGY CO.

**WEST GRAMA RIDGE 8-5 FEDERAL COM 2H  
 SECTION 8, T22S, R34E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO**

SURVEYED BY	A.V., A.B., J.J.	09-30-16	SCALE
DRAWN BY	S.F.	10-10-16	N/A
<b>PIPELINE R-O-W</b>			<b>EXHIBIT G</b>



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

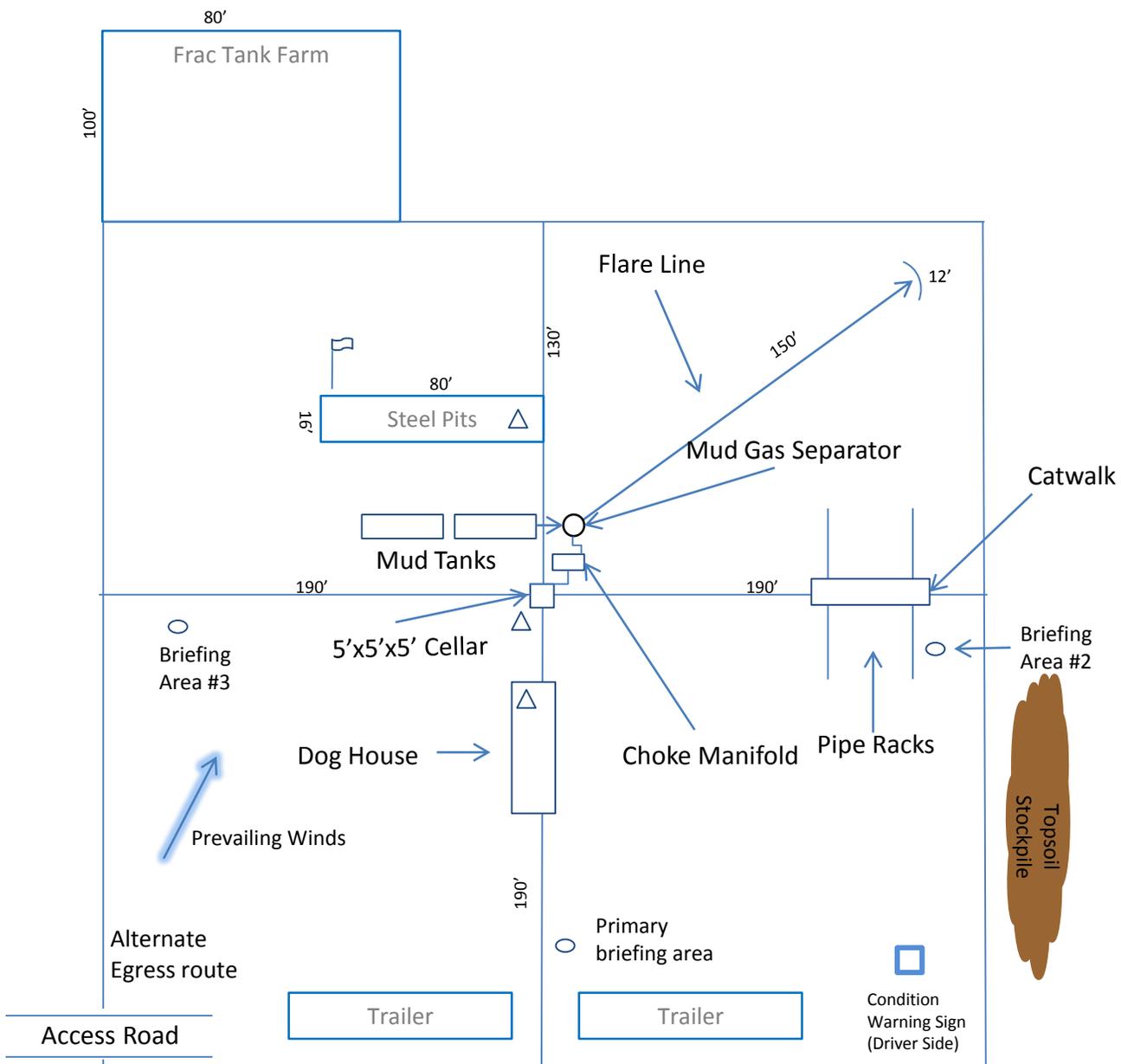


Exhibit D-1 – Rig Diagram  
**West Grama Ridge 8-5 Federal Com 2H**  
 Cimarex Energy Co.  
 8-22S-34E  
 Lea County, NM

-  Wind Direction Indicators (wind sock or streamers)
- H2S Monitors (alarms at bell nipple and shale shaker)
-  H2S Monitors (alarms at bell nipple and shale shaker)
-  Briefing Areas



**United States Department of the Interior  
Bureau of Land Management  
CARLSBAD FIELD OFFICE  
620 E. GREENE  
CARLSBAD, NM 88220 -6292  
Phone: (575) 234-5972**

Receipt

No: 3677543

<b>Transaction #:</b> 3781933	
<b>Date of Transaction:</b> 10/14/2016	
<b>CUSTOMER:</b>	
CIMAREX ENERGY CO 202 S CHEYENNE AVE STE 1000 TULSA, OK 74103-3001 US	

LINE #	QTY	DESCRIPTION	REMARKS	UNIT PRICE	TOTAL
1	1.00	OIL & GAS / APPLICATION FOR PERMIT TO DRILL (APD) / APD FEE	WEST GRAMA RIDGE 8 5 FEDERAL 2H	9610.00	9610.00
<b>TOTAL:</b>				<b>\$9,610.00</b>	

PAYMENT INFORMATION			
1	AMOUNT:	9610.00	POSTMARKED: N/A
	TYPE:	CHECK	RECEIVED: 10/14/2016
	CHECK NO:	1685072	
	NAME:	CIMAREX ENERGY CO 202 S CHEYENNE AVE STE 1000 TULSA OK 74103-3001 US	

REMARKS

This receipt was generated by the automated BLM Collections and Billing System and is a paper representation of a portion of the official electronic record contained therein.