

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 87412
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) 476-3440

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

HOBBS OCD

OCT 31 2014

AMENDED REPORT

NOV 02 2014

RECEIVED

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30025-42226	² Pool Code 17644	³ Pool Name Diamondtail Bone Spring/Wildcat
⁴ Property Code 313460	⁵ Property Name URRACA FEDERAL COM	⁶ Well Number #21H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3715'

¹⁰ Surface Location

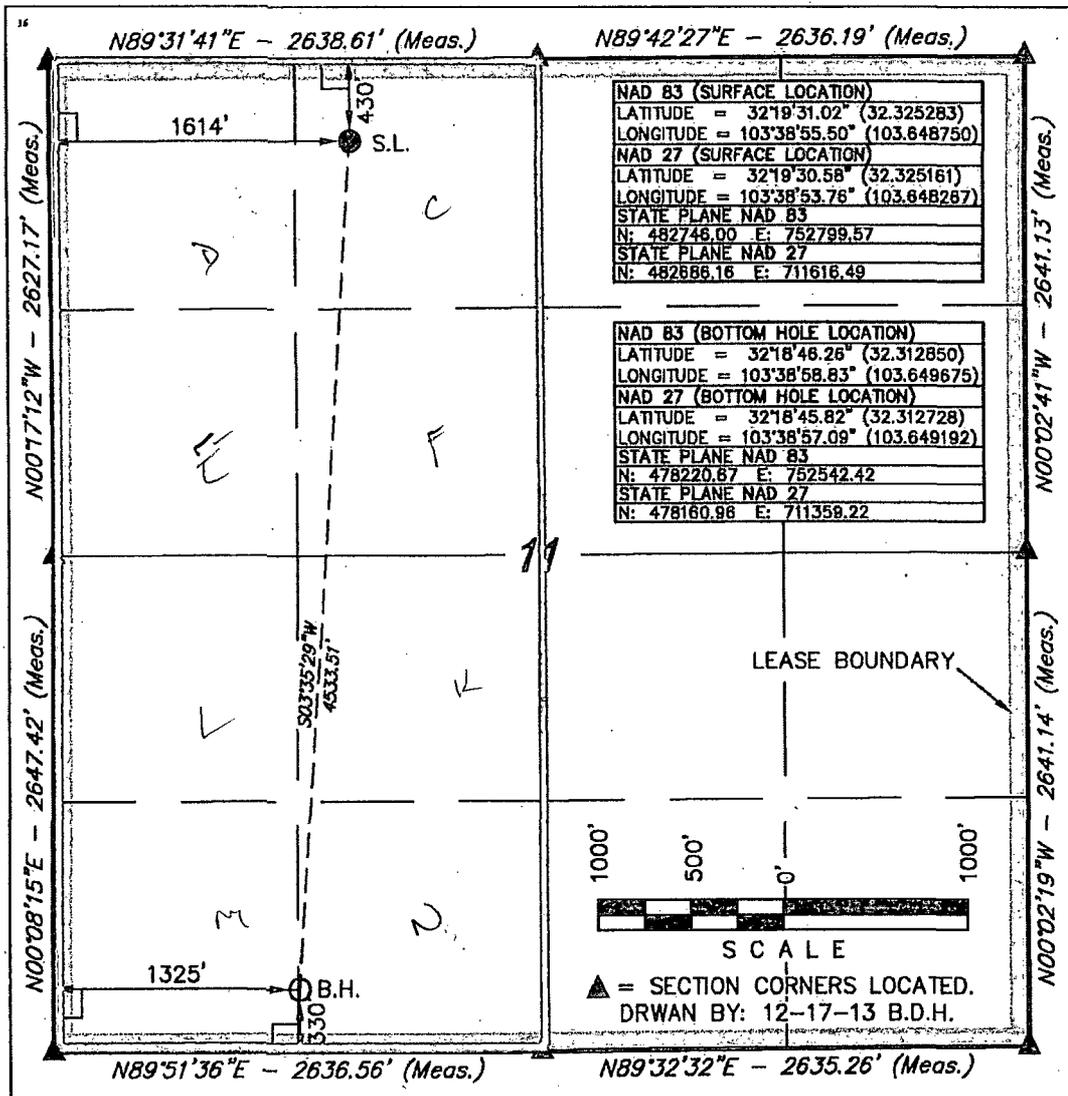
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	11	23 S	32 E		430	NORTH	1614	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	11	23 S	32 E		330	SOUTH	1325	WEST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL Pending
--------------------------------------	-------------------------------	----------------------------------	----------------------------------------

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.



"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: *Hope Knauls* Date: 2-17-14

Printed Name: Hope Knauls

E-mail Address: hknauls@cimarex.com

"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.

November 15, 2013

Date of Survey

Signature and Seal of Professional Surveyor:

PROFESSIONAL SURVEYOR
NEW MEXICO
12446
Nelson J. Marshall
NELSON J. MARSHALL
12-26-13

Certificate Number:

NOV 04 2014

Urraca Federal Development Plan Plat

District I
1625 N. French Dr., Hobbs, NM 88240
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1220 S. St. Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name URRACA FEDERAL			⁶ Well Number
⁷ OGRID No.		⁸ Operator Name CIMAREX ENERGY CO.			⁹ Elevation

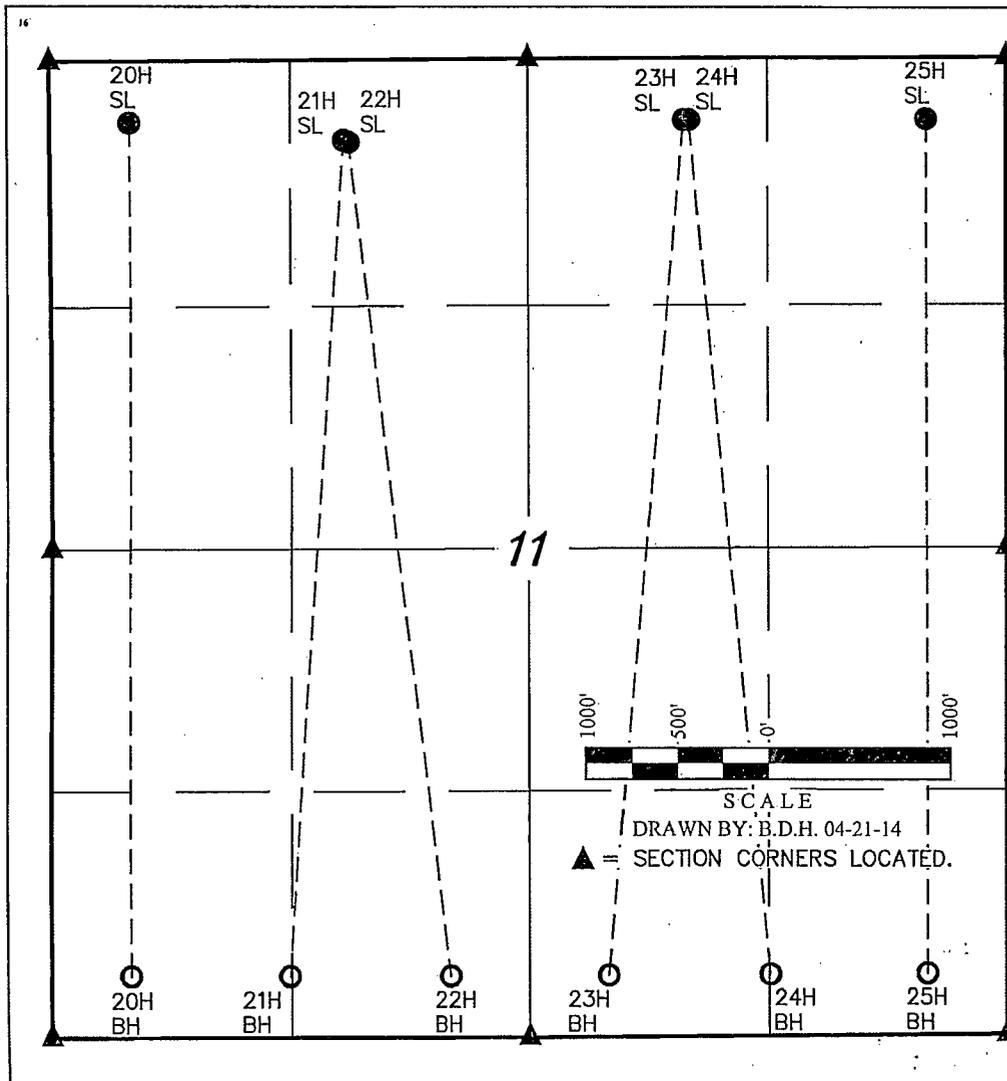
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	11	23 S	32 E						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
	11	23 S	32 E						LEA
¹² Dedicated Acres		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.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date: _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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

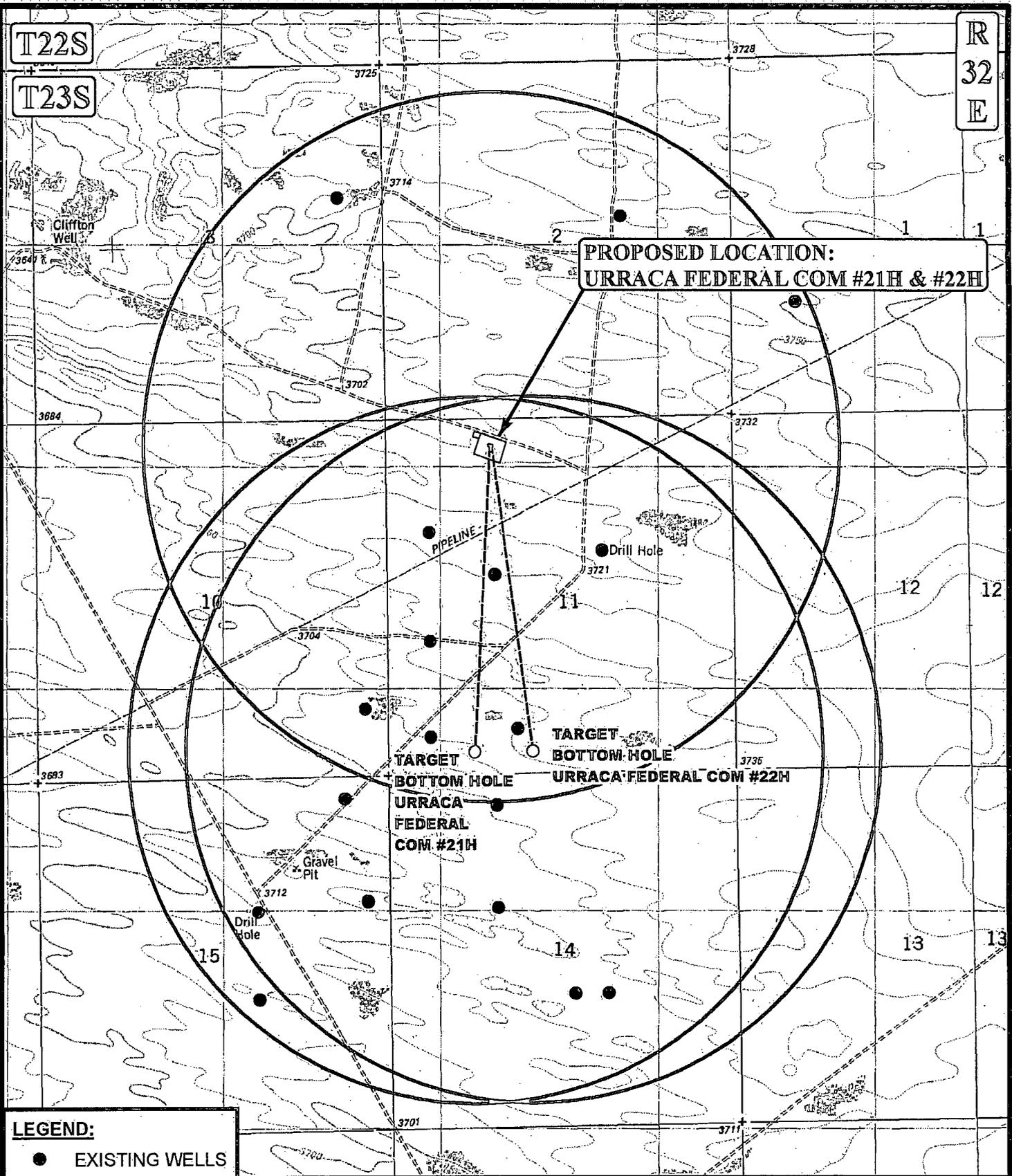
Date of Survey _____
Signature and Seal of Professional Surveyor: _____

Certificate Number: _____

T22S

T23S

R
32
E



LEGEND:

● EXISTING WELLS

SCALE: 1" = 2000'

REVISED: 00-00-00

DRAWN BY: L.S.

DATE DRAWN: 12-09-13



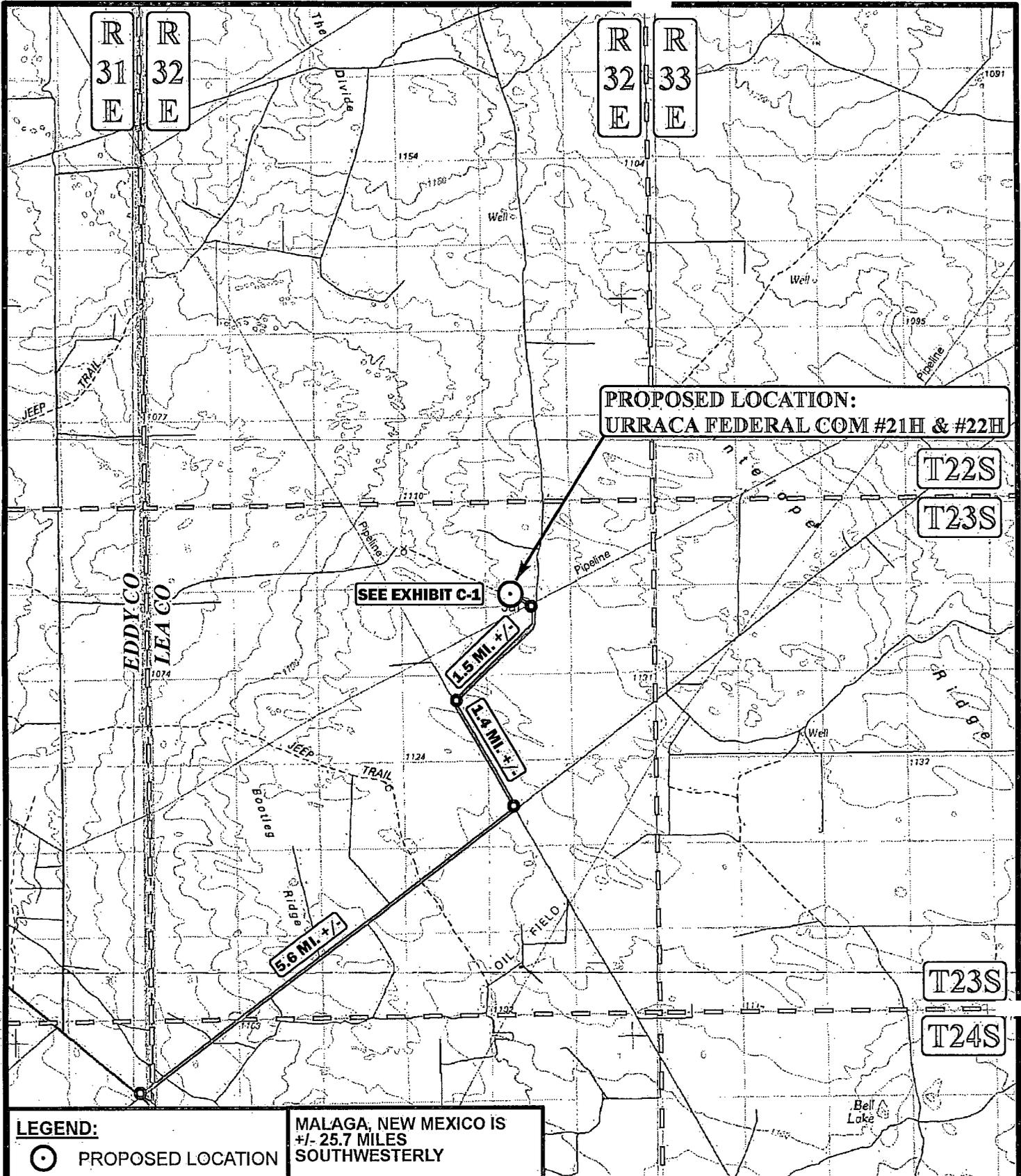
CIMAREX ENERGY CO.

URRACA FEDERAL COM #21H & #22H
SECTION 11, T23S, R32E, N.M.P.M.
NE 1/4 NW 1/4

ONE MILE RADIUS PLAT EXHIBIT A



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



**PROPOSED LOCATION:
URRACA FEDERAL COM #21H & #22H**

SEE EXHIBIT C-1

1.5 MI. +/-

1.4 MI. +/-

5.6 MI. +/-

T22S

T23S

T23S

T24S

LEGEND:
 **PROPOSED LOCATION**

**MALAGA, NEW MEXICO IS
+/- 25.7 MILES
SOUTHWESTERLY**

SCALE: 1:100,000 REVISED: 00-00-00
 DRAWN BY: L.S.
 DATE DRAWN: 12-09-13



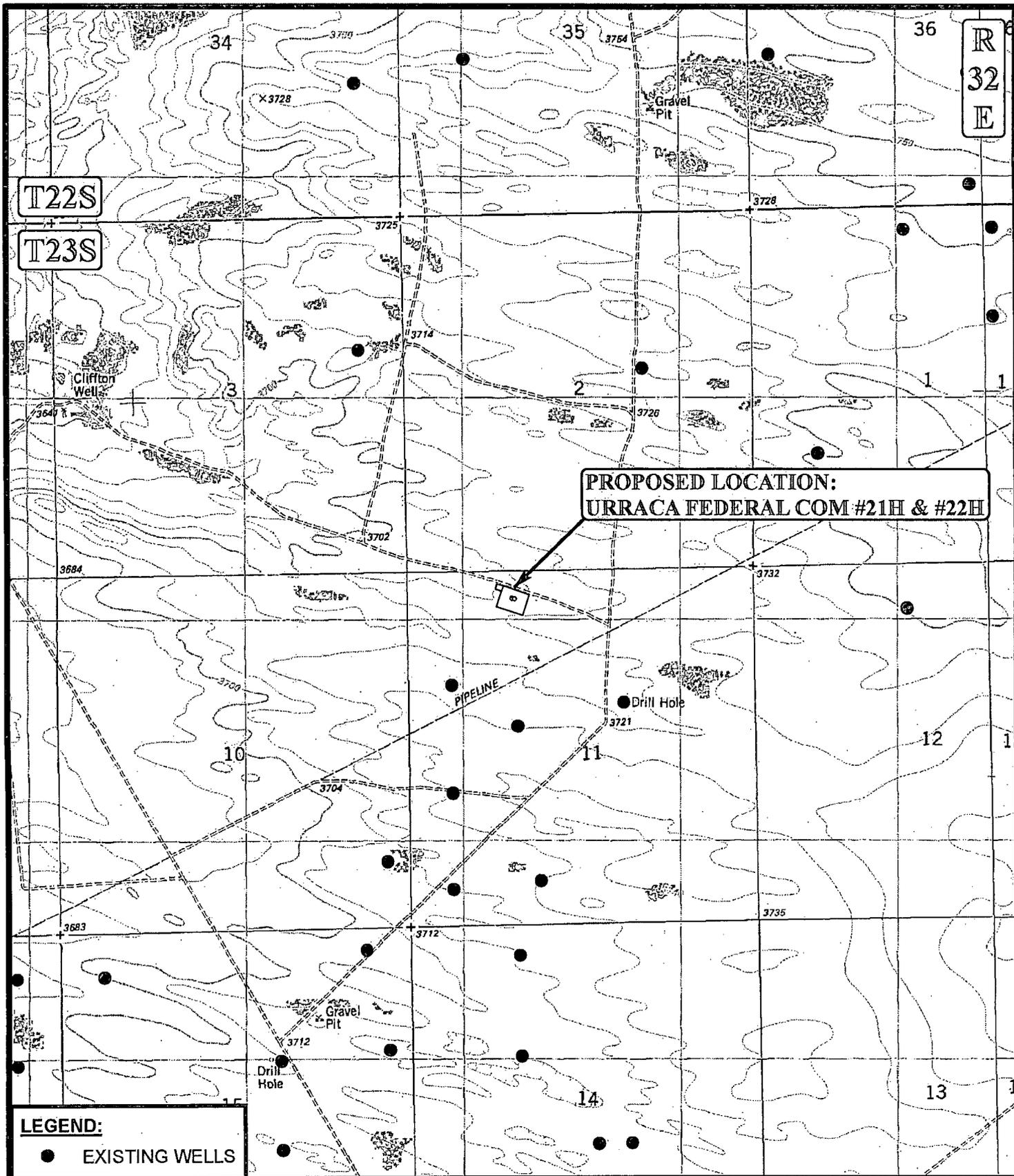
CIMAREX **CIMAREX ENERGY CO.**

**URRACA FEDERAL COM #21H & #22H
SECTION 11, T23S, R32E, N.M.P.M.
NE 1/4 NW 1/4**



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

PUBLIC ACCESS ROAD MAP EXHIBIT B



LEGEND:
● EXISTING WELLS

SCALE: 1" = 2000'
DRAWN BY: L.S.
DATE DRAWN: 12-09-13

REVISED: 00-00-00



CIMAREX ENERGY CO.

URRACA FEDERAL COM #21H & #22H
SECTION 11, T23S, R32E, N.M.P.M.
NE 1/4 NW 1/4



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

USGS TOPOGRAPHIC MAP EXHIBIT C

R
32
E

**PROPOSED LOCATION:
URRACA FEDERAL COM #21H & #22H**

CULIBRI FED #20H

SEE DETAIL "A"

**PROPOSED ACCESS FOR
THE CULIBRI FED #20H 1,345' +/-**

BLM

Drill Hole

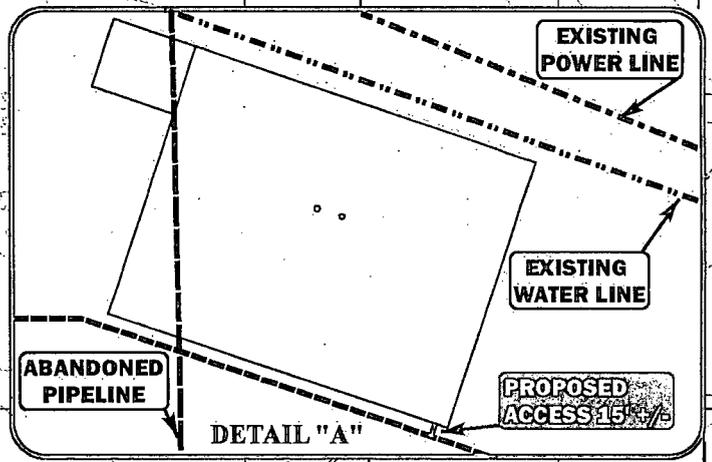
1.5 MI. +/-

UJL HWY HWY 128 1.0 MI. +/-

T23S

LEGEND:

-  PROPOSED ACCESS
-  EXISTING ROAD
-  BLM LANDS



*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: 00-00-00
DRAWN BY: L.S.	
DATE DRAWN: 12-09-13	



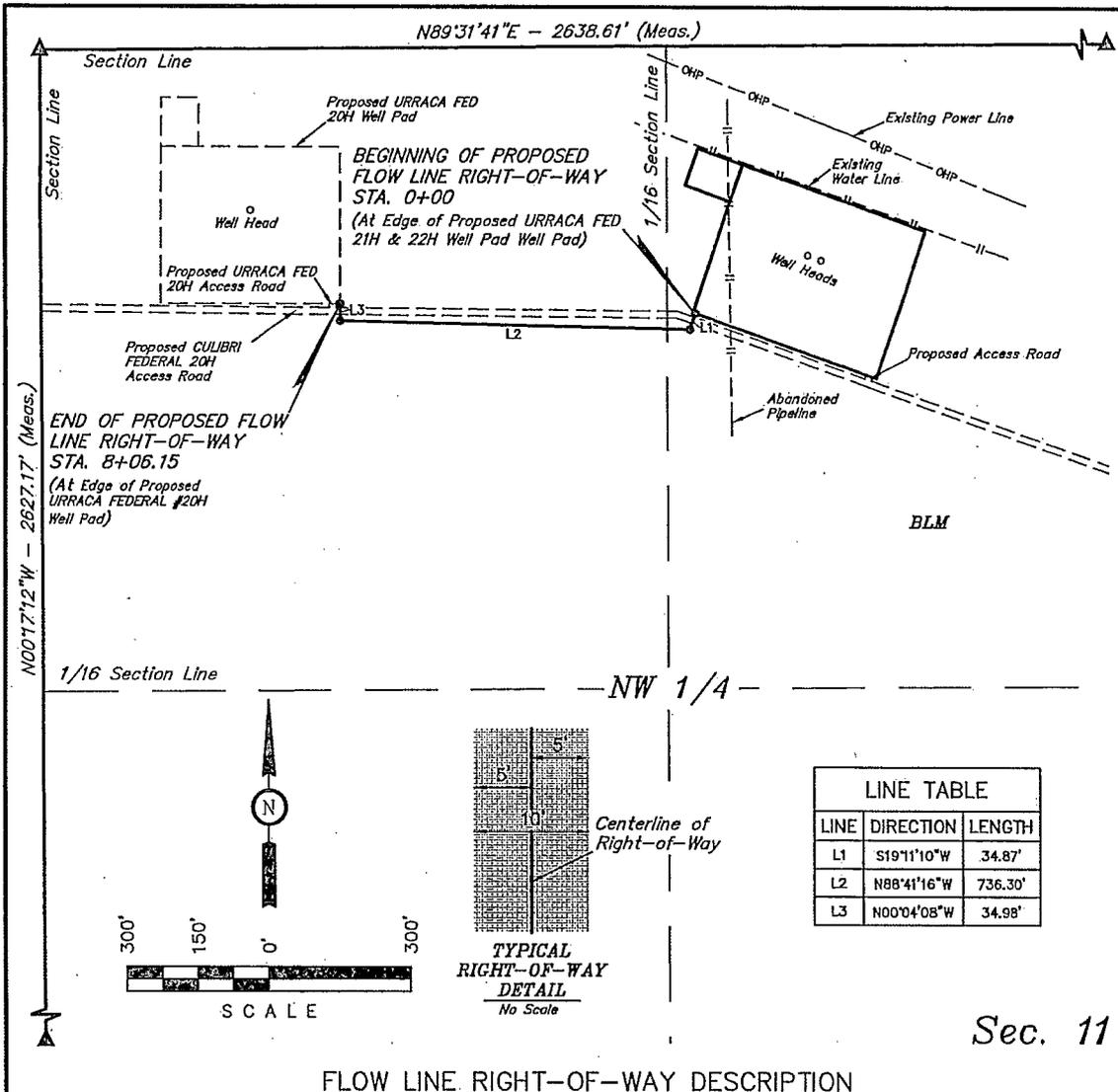
CIMAREX CIMAREX ENERGY CO.

URRACA FEDERAL COM #21H & #22H
SECTION 11, T23S, R32E, N.M.P.M.
NE 1/4 NW 1/4



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

ACCESS ROAD MAP EXHIBIT C-1



FLOW LINE 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 NE 1/4 NW 1/4 OF SECTION 11, T23S, R32E, N.M.P.M., WHICH BEARS S66°08'16"W 1376.97' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S19°11'10"W 34.87'; THENCE N88°41'16"W 736.30'; THENCE N00°04'08"W 34.98' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S50°43'55"E 815.87' FROM THE NORTHWEST CORNER OF SAID SECTION 11. 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 0.185 ACRES MORE OR LESS.

BEGINNING OF FLOW LINE STA. 0+00 BEARS S66°08'16"W 1376.97' FROM THE NORTH 1/4 CORNER OF SECTION 11, T23S, R32E, N.M.P.M.

END OF FLOW LINE STA. 8+06.15 BEARS S50°43'55"E 815.87' FROM THE NORTHWEST CORNER OF SECTION 11, T23S, R32E, N.M.P.M.

RIGHT-OF-WAY LENGTHS			
DESCRIPTION	FEET	ACRES	RODS
BLM	806.15	0.185	48.86

▲ = SECTION CORNERS LOCATED.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S19°11'10"W	34.87'
L2	N88°41'16"W	736.30'
L3	N00°04'08"W	34.98'

CERTIFICATE OF PROFESSIONAL SURVEYOR
 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
 04-23-14

NOTES:



CIMAREX ENERGY CO.

URRACA FEDERAL #21H & #22H
 SECTION 11, T23S, R32E, N.M.P.M.
 NE 1/4 NW 1/4

DRAWN BY: B.D.H. SCALE: 1" = 300'
 DATE: 12-17-13 REVISED: 04-21-14

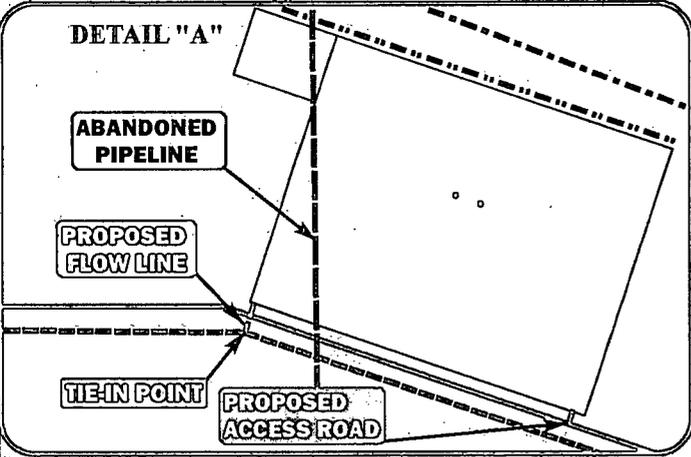


Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

FLOWLINE R-O-W

EXHIBIT C-1

R
32
E



T22S
T23S

**PROPOSED LOCATION:
URRACA FEDERAL COM #21H & #22H**

EXISTING POWER LINE

URRACA
FEDERAL
#20H

EXISTING WATER LINE

URRACA FED 25H

CULIBRI
FEDERAL #20H

SEE DETAIL "A"

**PROPOSED FLOW LINE
FOR URRACA FED 25H**

EXISTING ROAD

BLM

LEGEND:

- PROPOSED FLOW LINE
- BLM LANDS
- PROPOSED ACCESS
- EXISTING ROAD

APPROXIMATE TOTAL FLOW LINE 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 UINTAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'	REVISED: 00-00-00
DRAWN BY: L.S.	
DATE DRAWN: 12-10-13	



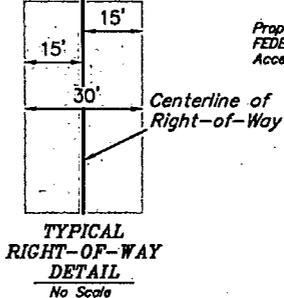
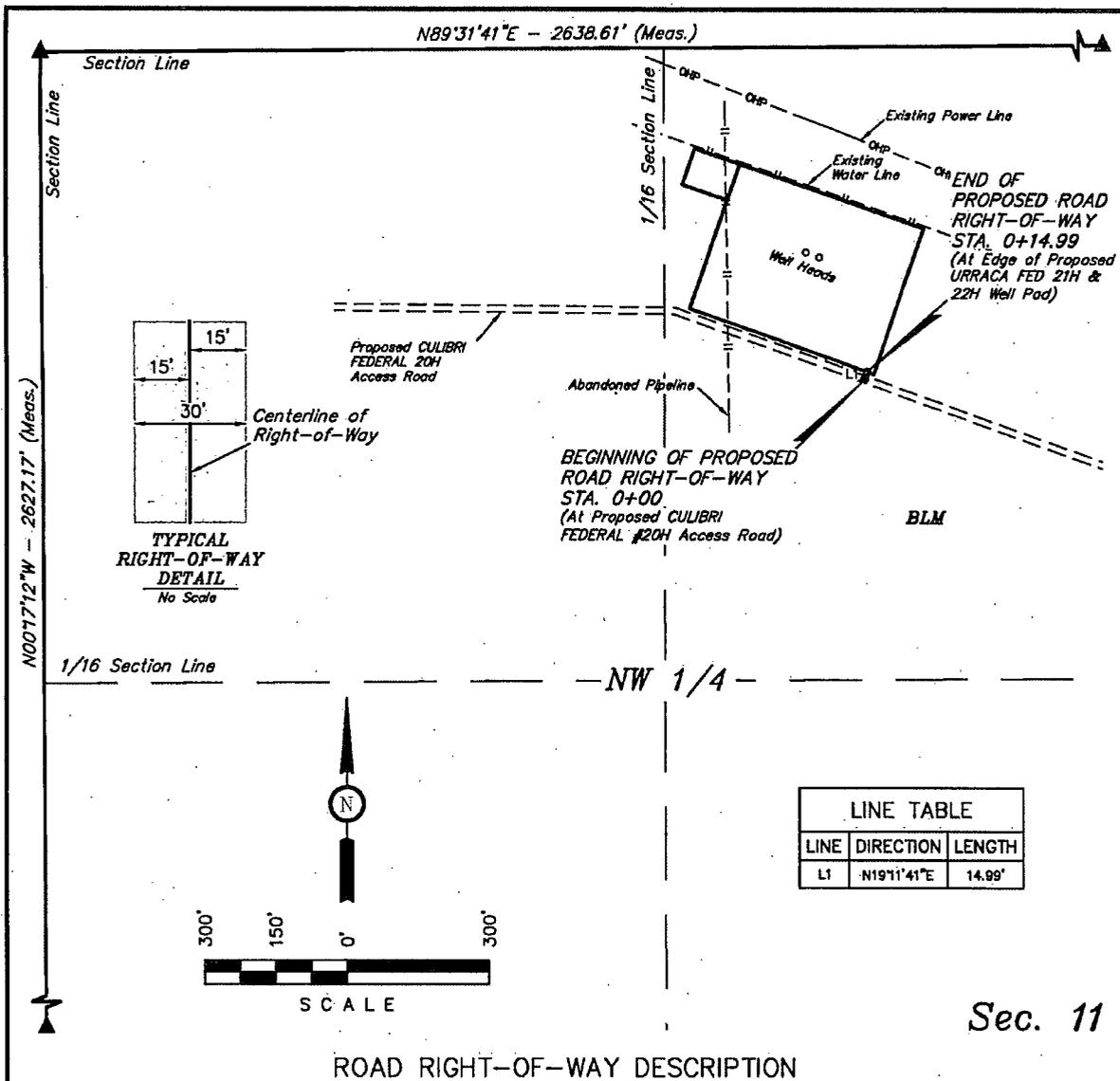
CIMAREX CIMAREX ENERGY CO.

URRACA FEDERAL COM #21H & #22H
SECTION 11, T23S, R32E, N.M.P.M.
NE 1/4 NW 1/4

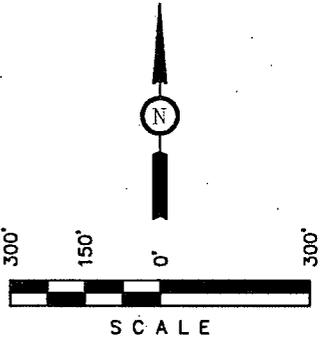


Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

FLOW LINE MAP EXHIBIT C



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N19°11'41\"E	14.99'



Sec. 11

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 NE 1/4 NW 1/4 OF SECTION 11, T23S, R32E, N.M.P.M., WHICH BEARS S52°00'69\"W 1136.60' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE N19°11'41\"E 14.99' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S52°25'50\"W 1124.03 FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. 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 0.010 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS S52°00'69\"W 1136.60' FROM THE NORTH 1/4 CORNER OF SECTION 11, T23S, R32E, N.M.P.M.

END OF ROAD STA. 0+14.99 BEARS S52°25'50\"W 1124.03' FROM THE NORTH 1/4 CORNER OF SECTION 11, T23S, R32E, N.M.P.M.

RIGHT-OF-WAY LENGTHS			
DESCRIPTION	FEET	ACRES	RODS
BLM	14.99	0.010	0.91

▲ = SECTION CORNERS LOCATED.

CERTIFICATE OF PROFESSIONAL SURVEYOR
 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 12-26-13

NOTES:

CIMAREX ENERGY CO.

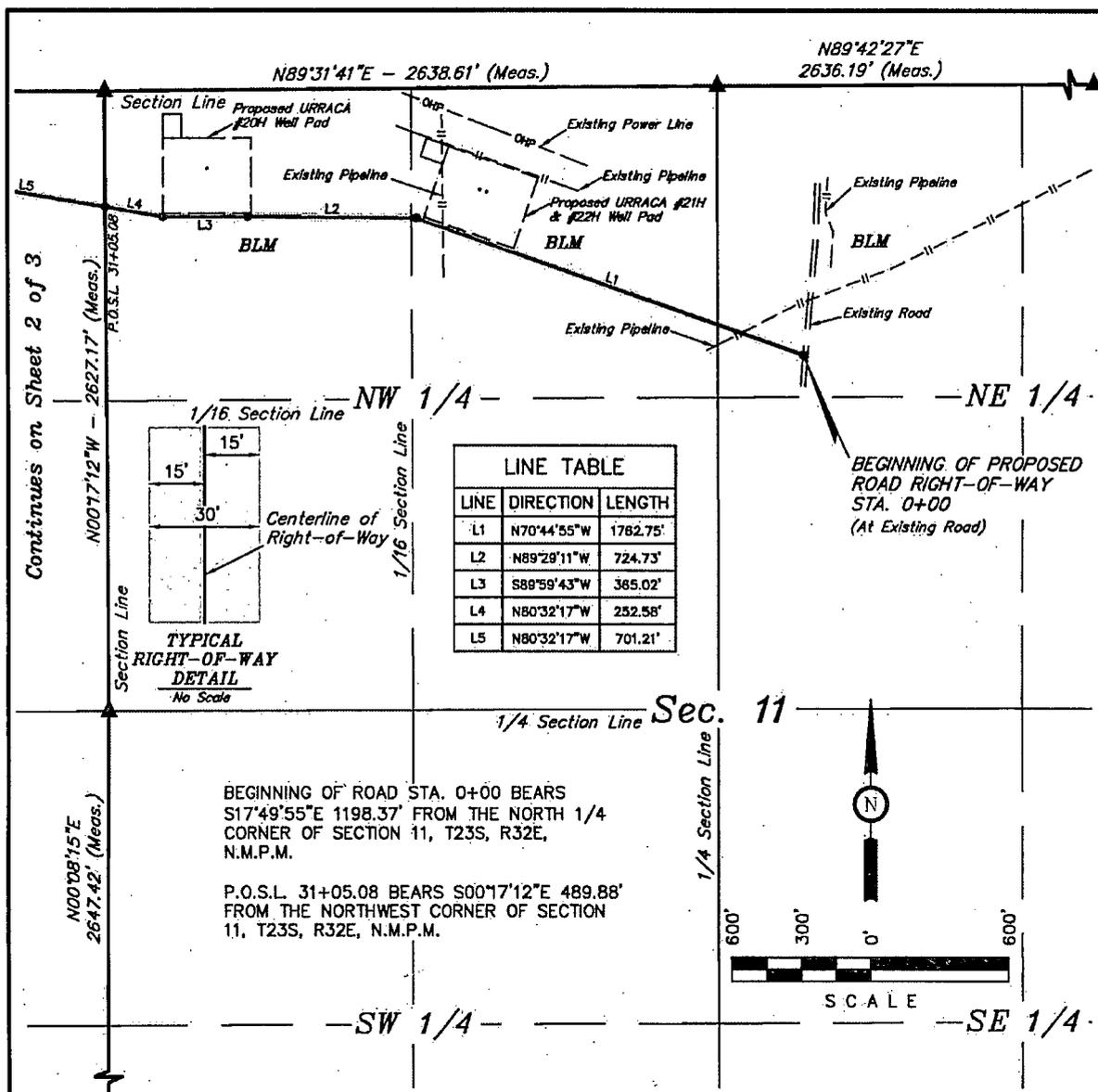
URRACA FEDERAL COM #21H & #22H
 SECTION 11, T23S, R32E, N.M.P.M.
 NE 1/4 NW 1/4

DRAWN BY: B.D.H. SCALE: 1" = 300'
 DATE: 12-17-13 REVISED:



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

ACCESS ROAD R-O-W EXHIBIT C-2



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 NW 1/4 NE 1/4 OF SECTION 11, T23S, R32E, N.M.P.M., WHICH BEARS S17°49'55"E 1198.37' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE N70°44'55"W 1762.75'; THENCE N89°29'11"W 724.73'; THENCE S89°59'43"W 365.02'; THENCE N80°32'17"W 252.58' TO A POINT ON THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S00°17'12"E 489.88' FROM THE NORTHWEST CORNER OF SAID SECTION 11, THENCE N80°32'17"W 701.21'; THENCE N89°58'15"W 495.02'; THENCE N65°38'40"W 850.26'; THENCE S89°59'06"W 461.76'; THENCE S83°44'55"W 912.84'; THENCE N89°57'57"W 1340.03'; THENCE S00°13'19"W 14.82' TO A POINT IN THE NW 1/4 NW 1/4 OF SECTION 10, T23S, R32E, N.M.P.M. WHICH BEARS S86°05'16"W 2033.18' FROM THE NORTH 1/4 CORNER OF SAID SECTION 10. 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 5.427 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS			
DESCRIPTION	FEET	ACRES	RODS
SEC. 11, NE 1/4	387.73	0.267	23.50
SEC. 11, NW 1/4	2717.35	1.871	164.69
SEC. 10, NE 1/4	2728.59	1.879	165.37
SEC. 10, NW 1/4	2047.35	1.410	124.08
TOTAL	7881.02	5.428	477.64

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

NOTES:
• The maximum grade of existing ground for the proposed access road is ±1%.

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.
Robert J. Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO. 12448
STATE OF NEW MEXICO 02-12-14



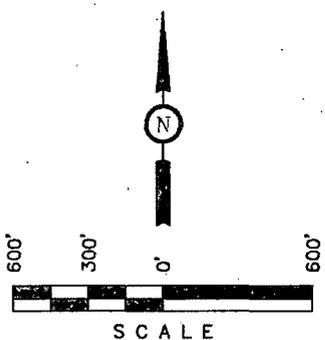
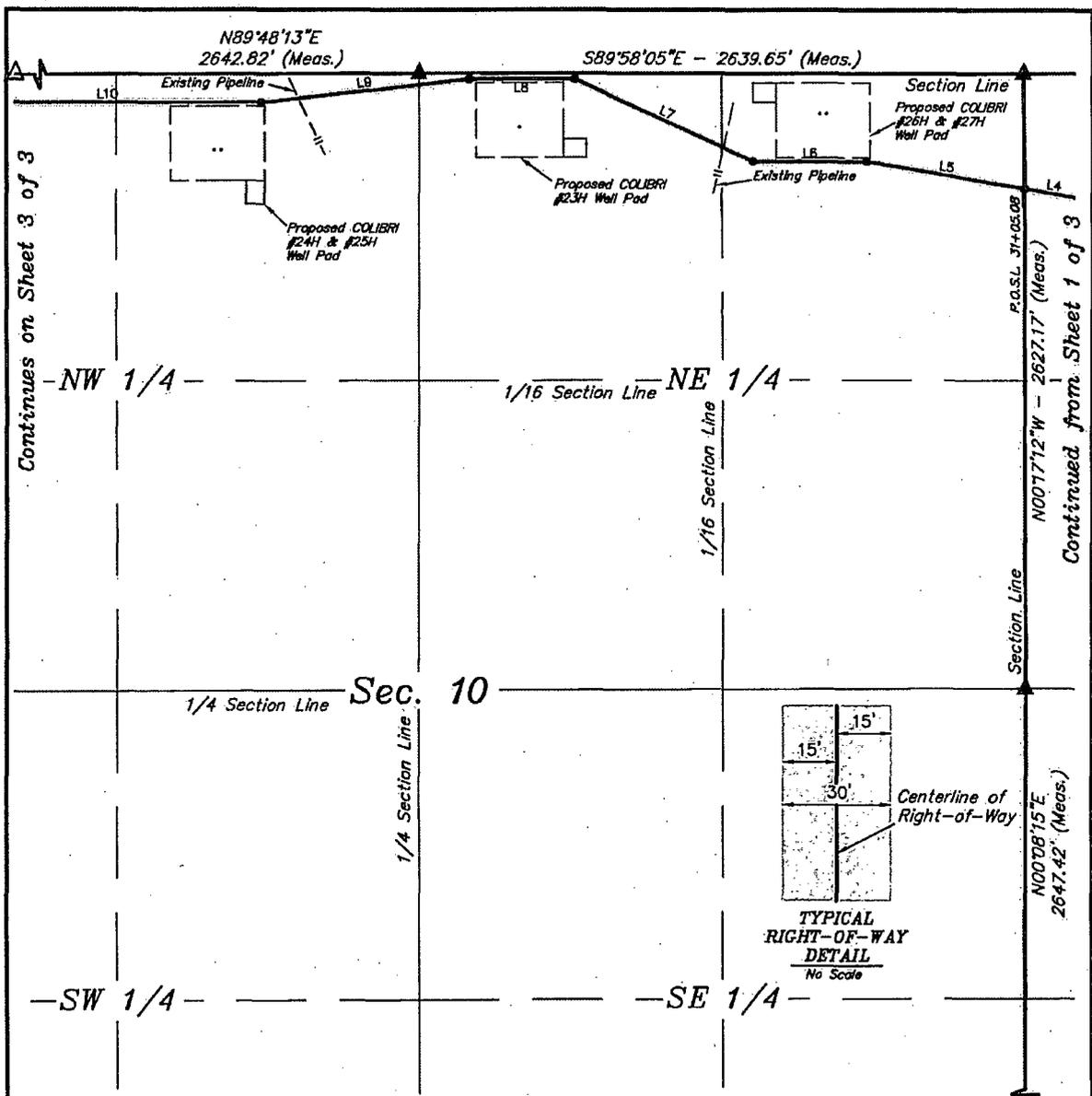
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

COLIBRI FEDERAL #20H
SECTION 10, T23S, R32E, N.M.P.M.
321' FNL 439' FWL

DRAWN BY: B.D.H. SCALE: 1" = 600'
DATE: 01-10-14 REVISED: 02-12-14

ACCESS ROAD R-O-W EXHIBIT C-2



LINE TABLE		
LINE	DIRECTION	LENGTH
L5	N80°32'17"W	701.21'
L6	N89°58'15"W	495.02'
L7	N65°38'40"W	850.26'
L8	S89°59'08"W	481.76'
L9	S83°44'55"W	912.84'
L10	N89°57'57"W	1340.03'

P.O.S.L. STA. 31+05.08 BEARS S00°17'12"E
 489.88' FROM THE NORTHWEST CORNER OF
 SECTION 11, T23S, R32E, N.M.P.M.

THIS IS TO CERTIFY THAT THE ABOVE PLANS 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.

PROFESSIONAL SURVEYOR
 IN N.M.
 [Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 12448
 STATE OF NEW MEXICO 02-12-14

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

NOTES:
 • The maximum grade of existing ground for the proposed access road is ±1%.

CIMAREX ENERGY CO.

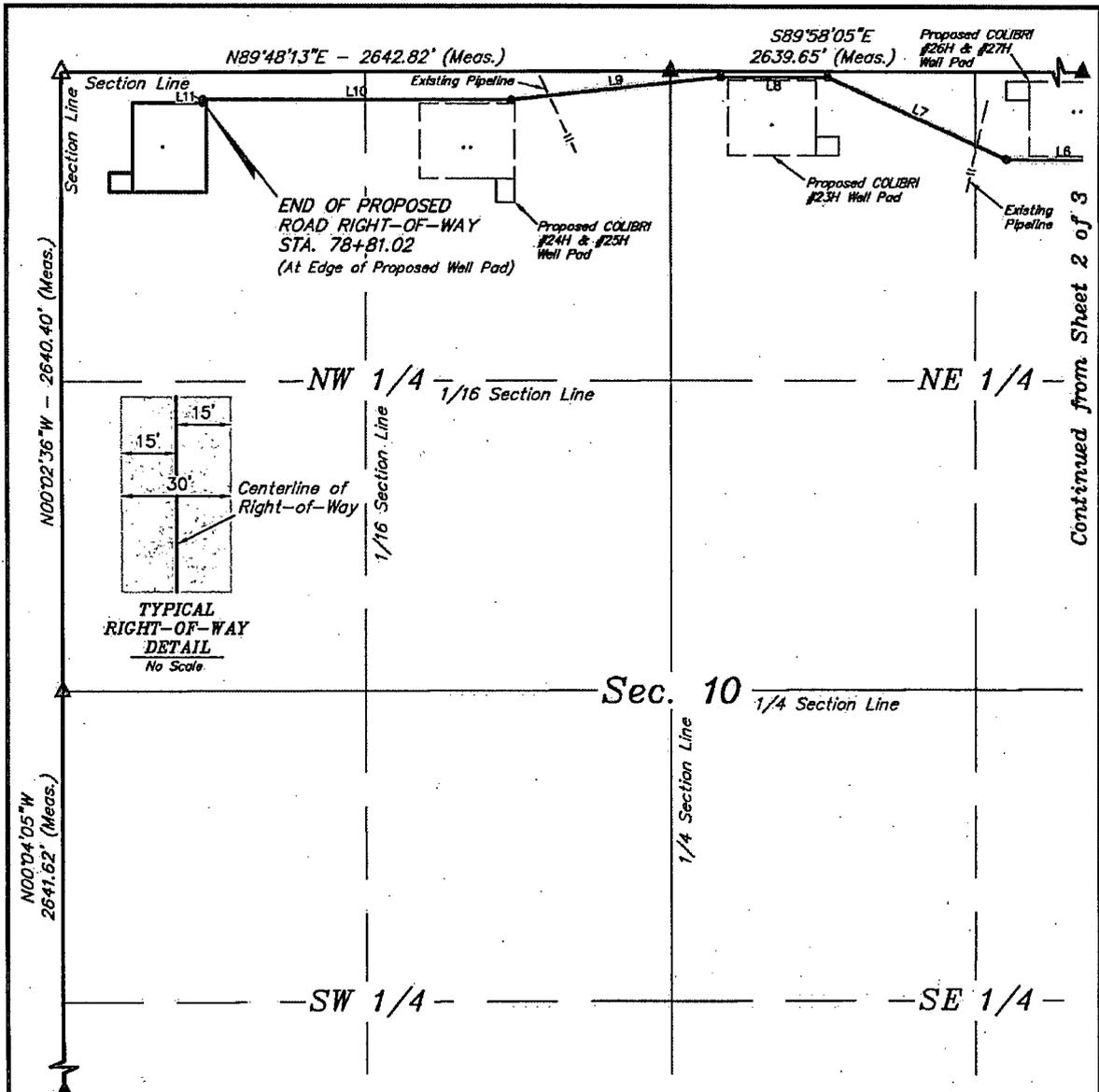
COLIBRI FEDERAL #20H
 SECTION 10, T23S, R32E, N.M.P.M.
 321' FNL 439' FWL

DRAWN BY: B.D.H. SCALE: 1" = 600'
 DATE: 01-10-14 REVISED: 02-12-14

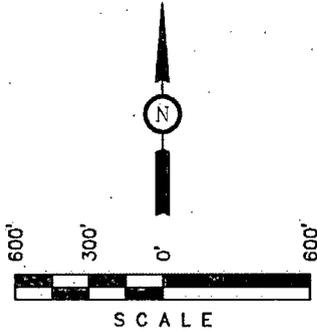
ACCESS ROAD R-O-W **EXHIBIT 0-2**



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



Continued from Sheet 2 of 3



LINE TABLE		
LINE	DIRECTION	LENGTH
L6	N89°58'15"W	495.02'
L7	N85°38'40"W	850.26'
L8	S89°59'06"W	461.76'
L9	S83°44'55"W	912.84'
L10	N89°57'57"W	1340.03'
L11	S00°13'19"W	14.82'

P.O.S.L. STA. 31+05.08 BEARS S86°05'16"W
2033.18' FROM THE NORTH 1/4 CORNER OF
SECTION 11, T23S, R32E, N.M.P.M.

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

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.

PROFESSIONAL SURVEYOR
NEW MEXICO
2446
Hebe Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446
STATE OF NEW MEXICO
02-12-14

Sheet 3 of 3

NOTES:
• The maximum grade of existing ground for the proposed access road is ±1%.

CIMAREX **CIMAREX ENERGY CO.**

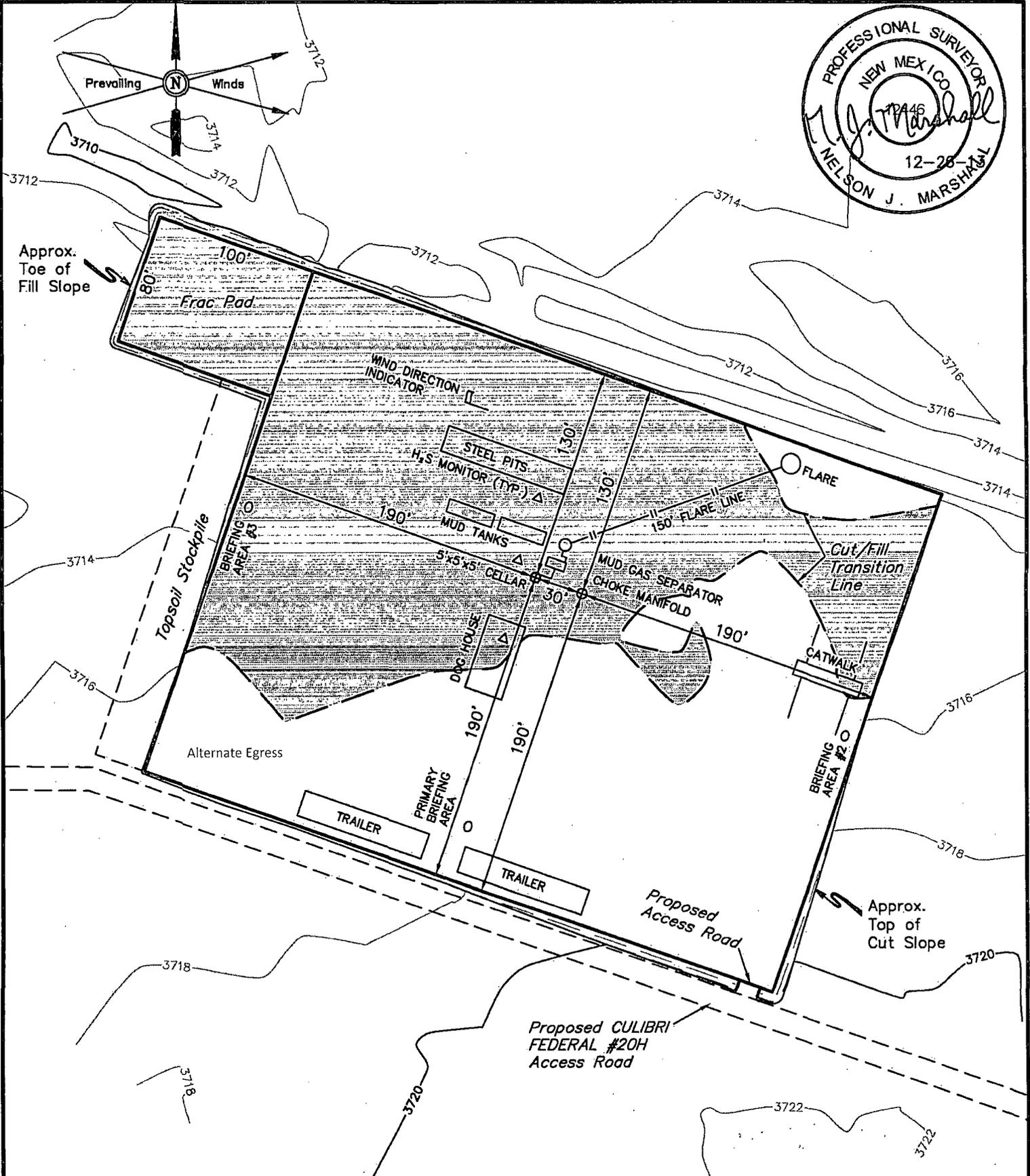
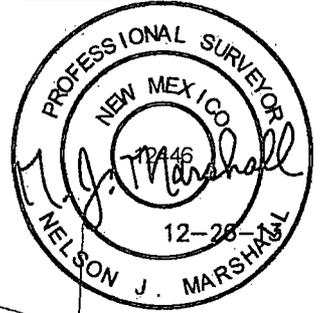
COLIBRI FEDERAL #20H
SECTION 10, T23S, R32E, N.M.P.M.
321' FNL 439' FWL

DRAWN BY: B.D.H. SCALE: 1" = 600'
DATE: 01-10-14 REVISED: 02-12-14

ACCESS ROAD R-O-W EXHIBIT C-2

UINTAH
ENGINEERING & LAND SURVEYING

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



NOTES:
 • Flare pit is to be located a min. of 160' from the well head.

CIMAREX **CIMAREX ENERGY CO.**

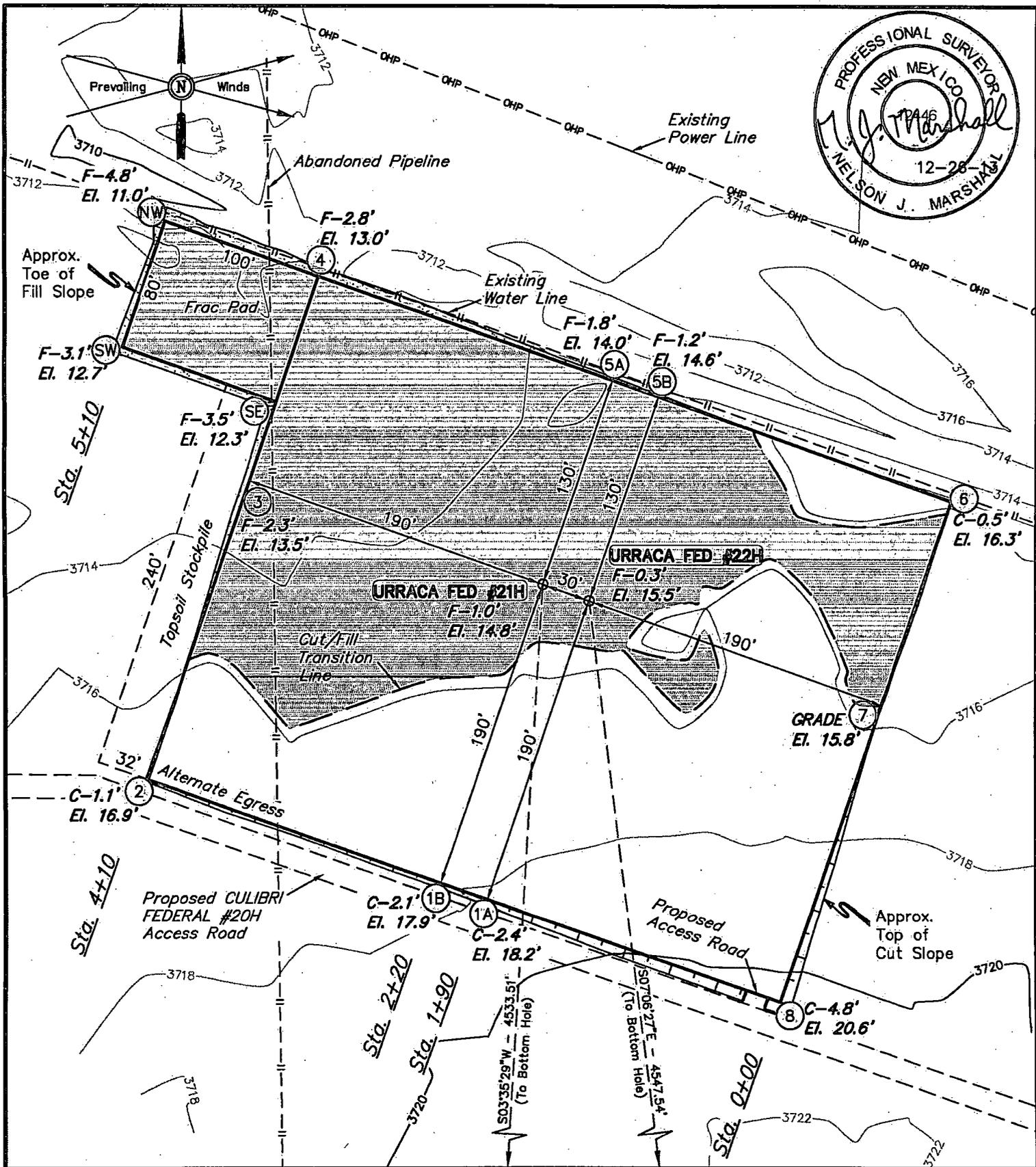
URRACA FEDERAL COM #21H
 SECTION 11, T23S, R32E, N.M.P.M.
 NE 1/4 NW 1/4

DRAWN BY: B.D.H. SCALE: 1" = 80'
 DATE: 12-17-13 REVISED:

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TYPICAL RIG LAYOUT **EXHIBIT D**



ELEV. UNGRADED GROUND AT 21H LOC. STAKE = 3714.8' FINISHED GRADE ELEV. AT 21H LOC. STAKE = 3715.8'

NOTES:

- Flare pit is to be located a min. of 100' from the well head.
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Earthwork calculations require a fill @ the location stakes. All fill is to be compacted to a minimum of 95% of maximum dry density obtained by AASHTO method t-99.



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SCALE: 1" = 80'

DATE: 12-17-13

REVISED:

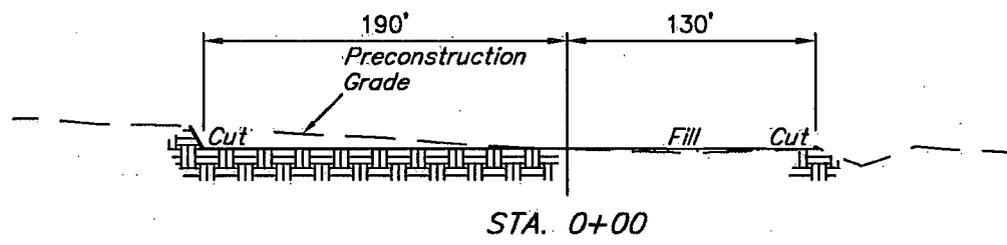
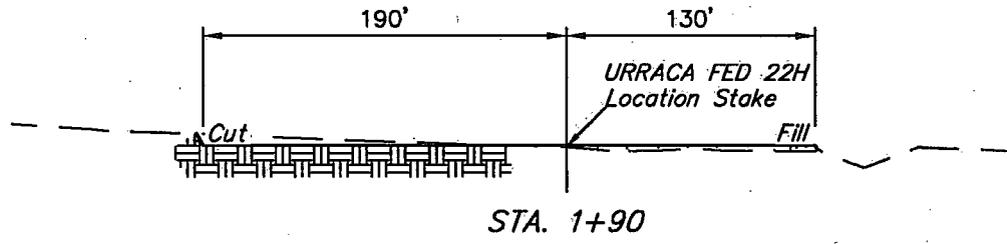
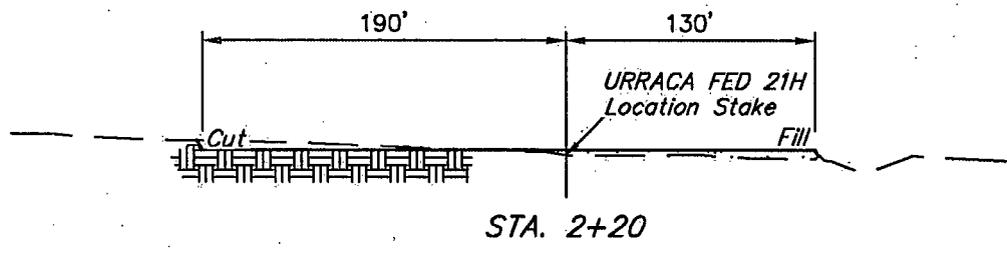
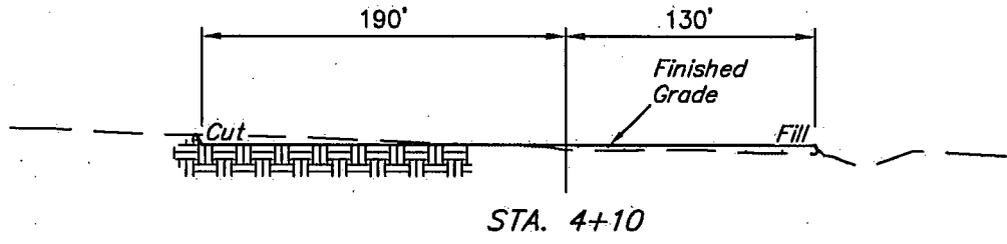
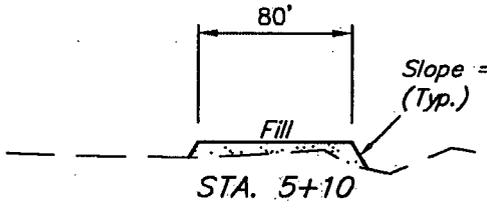
LOCATION LAYOUT

EXHIBIT D



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



APPROXIMATE EARTHWORK QUANTITIES		APPROXIMATE SURFACE DISTURBANCE AREAS		
(3") TOPSOIL STRIPPING	1,340 Cu. Yds.		DISTANCE	ACRES
REMAINING LOCATION	3,940 Cu. Yds.	WELL SITE DISTURBANCE	NA	±3.481
TOTAL CUT	5,280 Cu. Yds.	ACCESS ROAD DISTURBANCE	±14.99'	±0.010
FILL	3,940 Cu. Yds.	FLOW LINE DISTURBANCE	±35.87'	±0.008
EXCESS MATERIAL	1,340 Cu. Yds.			
TOPSOIL	1,340 Cu. Yds.	TOTAL DISTURBANCE	±50.86'	±3.499
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.			

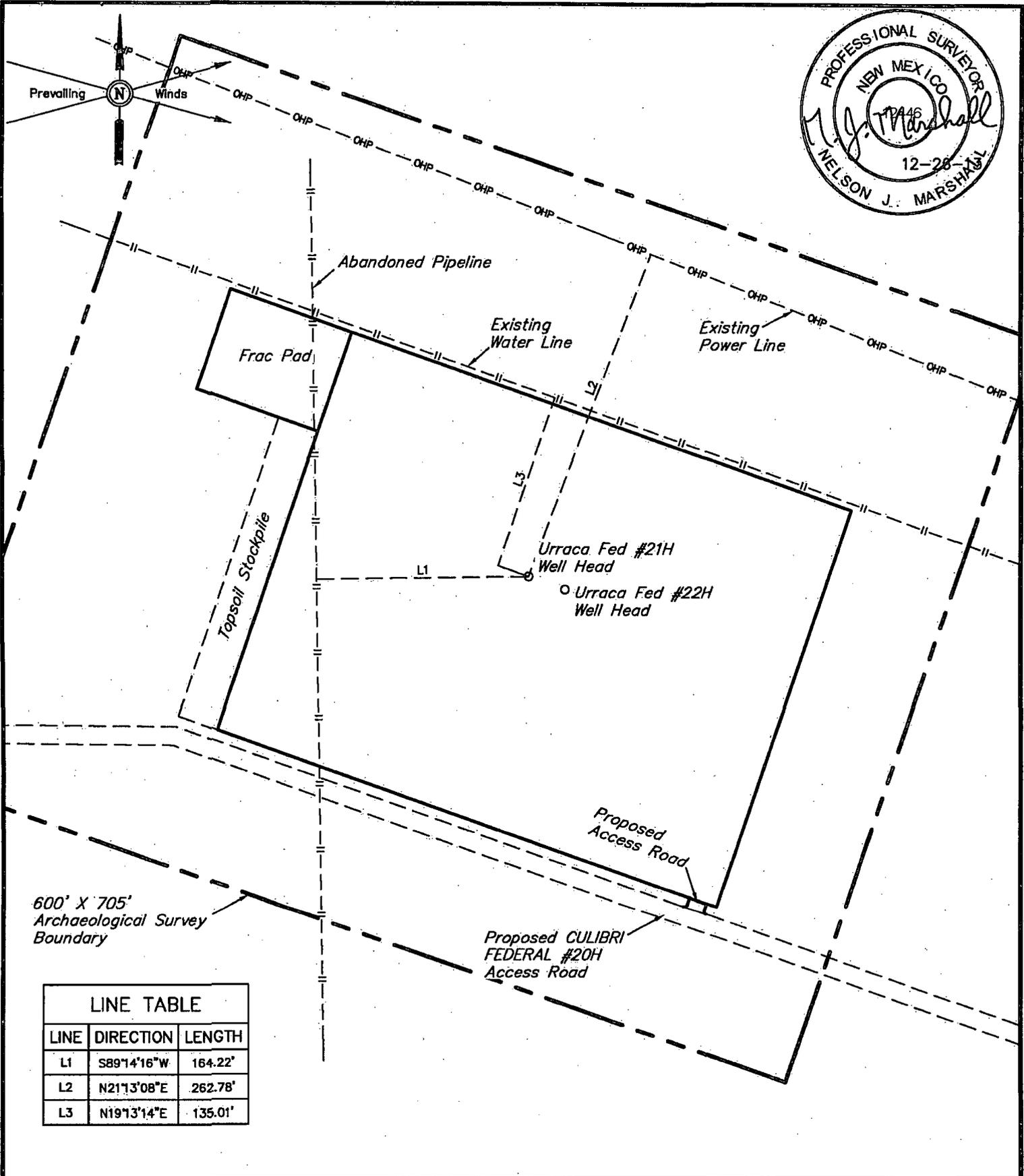
NOTES:
 • Fill quantity includes 5% for compaction.
 • Topsoil should not be stripped below finished grade on substructure area.

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DRAWN BY: B.D.H. SCALE: AS SHOWN
 DATE: 12-17-13 REVISED:

TYPICAL CROSS SECTIONS **EXHIBIT D**



600' X 705'
Archaeological Survey
Boundary

LINE TABLE

LINE	DIRECTION	LENGTH
L1	S89°14'16"W	164.22'
L2	N21°13'08"E	262.78'
L3	N19°13'14"E	135.01'

NOTES:

	CIMAREX ENERGY CO.	
	URRACA FEDERAL COM #21H & #22H SECTION 11, T23S, R32E, N.M.P.M. NE 1/4 NW 1/4	
DRAWN BY: B.D.H. DATE: 12-17-13	SCALE: 1" = 100' REVISED:	
ARCHAEOLOGICAL SURVEY BOUNDARY		EXHIBIT D



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BEGINNING AT THE INTERSECTION OF JAL HIGHWAY/ HWY 128 AND AN EXISTING ROAD TO THE NORTHEAST LOCATED IN THE SE 1/4 OF SECTION 1, T24S, R31E, N.M.P.M. PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 5.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE CULIBRI FEDERAL #20H TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1,345' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 15' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM THE INTERSECTION OF JAL HIGHWAY/ HWY 128 AND AN EXISTING ROAD TO THE NORTHEAST LOCATED IN THE SE 1/4 OF SECTION 1, T24S, R31E, HIGHWAY/ HWY 128 TO THE PROPOSED LOCATION IS APPROXIMATELY 8.8 MILES.

DRAWN BY: L.S.	REVISED: 00-00-00
DATE DRAWN: 12-09-13	

	CIMAREX ENERGY CO.
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ROAD DESCRIPTION

EXHIBIT J