



STATE OF COLORADO
STATE BOARD OF LAND COMMISSIONERS

Second Amendment to Surface Use Agreement No. OM-110937

THIS SECOND AMENDMENT ("Amendment") to Surface Use Agreement No. 110937 dated February 2, 2017, collectively referred to as the ("Agreement") is made this 11th day of July, 2022, between the State of Colorado, acting by and through the STATE BOARD OF LAND COMMISSIONERS herein referred to as the "State Land Board", whose address is 1127 Sherman Street, Suite 300, Denver CO 80203 and Enerplus Resources (USA) Corporation, hereinafter referred to as the "Operator", whose mailing address is 950 17th Street, Denver, CO 80202:

WITNESSETH

WHEREAS, the State Land Board and Operator entered into the Agreement on February 2, 2017;

WHEREAS, the State Land Board and Operator Amended the Agreement on November 7th, 2018;

WHEREAS, the Operator has applied to the State Land Board pursuant to Paragraph 16 of the Agreement to amend the existing Agreement. It is the Operator's desire with this Amendment to increase the proposed number of wells drilled from this pad.

NOW THEREFORE, the State Land Board and the Operator, for good and valuable consideration, the receipt of which is hereby acknowledged, stipulate and agree as follows:

- The Exhibits attached labeled Second Amendment - Exhibit A, Second Amendment - Exhibit B, and Second Amendment - Exhibit C are herein incorporated to the Agreement and are intended to replace all prior Exhibits.
- The State Land Board approves the change in wellbores as described in Second Amendment - Exhibit A.

AND FURTHER, this Amendment to the Agreement, including all recitals contained herein, shall extend to and be binding upon both the State Land Board and the Operator, and their respective heirs, executors, administrators, successors, agents and assigns. The State Land Board and the Operator do hereby ratify, adopt, and confirm all of the terms and provisions of the Agreement, as amended herein, and the State Land Board does hereby grant, lease, demise and let, to Operator, the lands covered by said Agreement as amended herein, upon and subject to all of the terms and provisions set out in the Agreement, as amended hereby. Except as stated in this Amendment, the Agreement shall continue in full force and effect as to all of its other terms and provisions.

IN WITNESS WHEREOF, the parties hereto have executed the foregoing, the same to be effective as of the day and year first above written.

Dated this 13 day of July, 2022

Operator: [Signature]
Signature

Beau Fritz
Printed Name ff

By: US Land Manager of Enerplus Resources (USA) Corporation
Position Entity

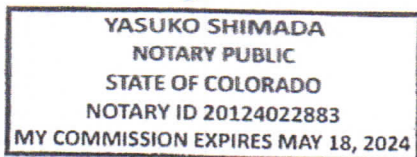
State of Colorado)
County of Denver) ACKNOWLEDGEMENT

The foregoing instrument was acknowledged before me this July 13, 2022 by Beau Fritz of Enerplus Resources (USA) Corporation, a Colorado Limited Liability Company, on behalf of the Limited Liability Company.

Signature: [Signature] Date: July 13, 2022
Notary

Dated this 13 day of July, 2022

(Seal)

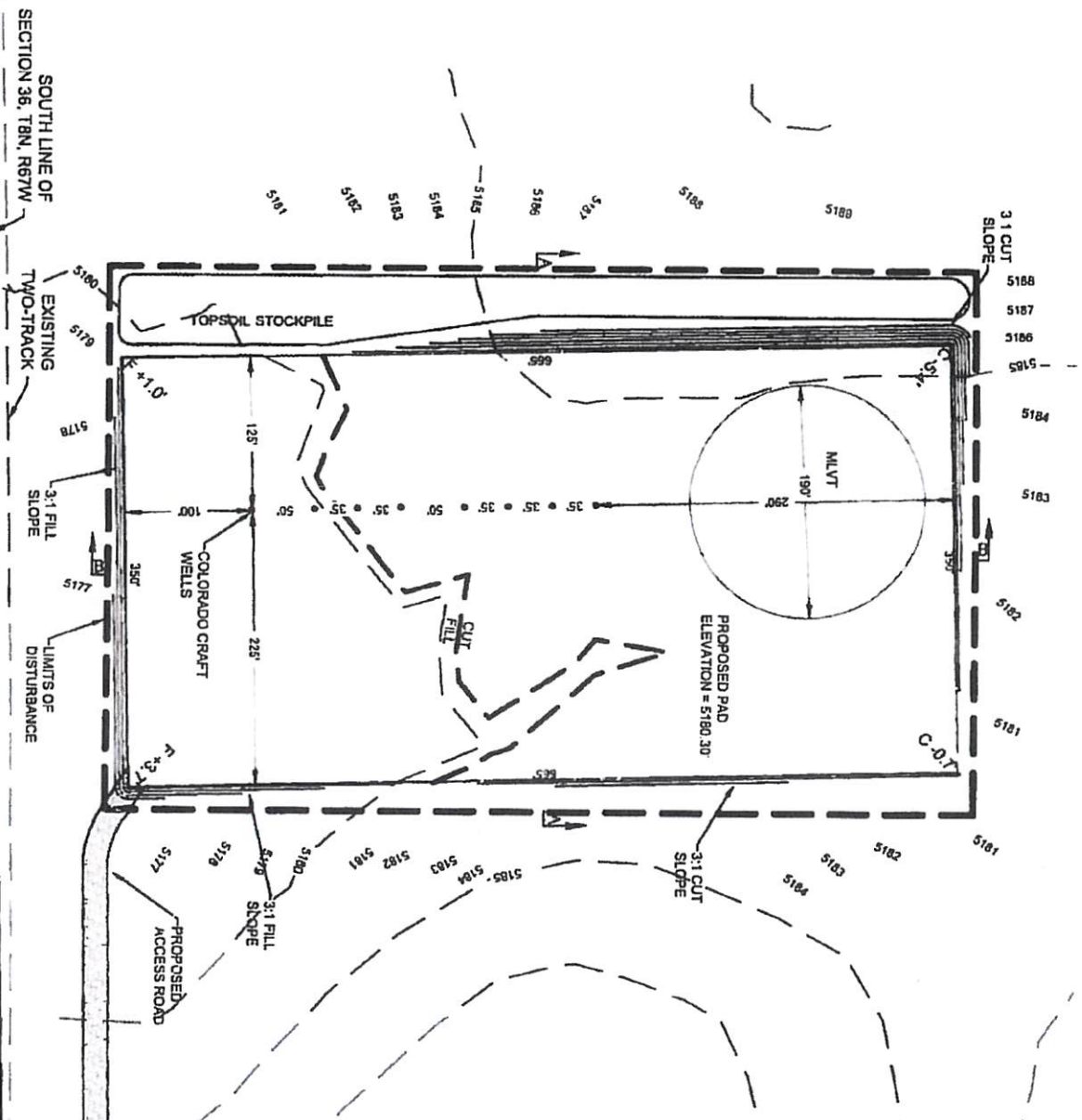


STATE OF COLORADO BY THE
STATE BOARD OF LAND COMMISSIONERS

By: [Signature] 7/13/22
Steve Freese, Minerals Field Specialist

Exhibit A Doc

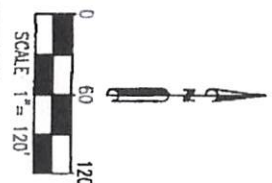
COLORADO CRAFT PAD PAD LAYOUT



NOTES:

1. A COMPLETE UTILITIES LOCATION IS RECOMMENDED BEFORE CONSTRUCTION
2. GEOGRAPHIC POSITIONS/COORDINATES SHOWN HEREON ARE IN NAD83 DATUM
3. EARTHWORK QUANTITIES ARE APPROXIMATE & FOR INFORMATION ONLY. 8" OF TOPSOIL HAS BEEN SUBTRACTED FROM EXISTING SURFACE PRIOR TO PERFORMING EARTHWORK CALCULATIONS.
4. STOCKPILES ARE ASSUMED TO BE 10' IN HEIGHT WITH 2:1 SIDE SLOPES.

THIS PLAN OF RECORD IS A REPRESENTATIVE LAND SURVEY AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. THE SURVEYOR'S RESPONSIBILITY IS TO THE CLIENT AND NOT TO THE PUBLIC. THE SURVEYOR'S WORK IS BASED ON THE ASSUMPTION THAT THE CLIENT HAS PROVIDED ALL NECESSARY INFORMATION AND THAT THE SURVEYOR HAS NOT BEEN ADVISED OF ANY OTHER FACTS THAT WOULD AFFECT THE SURVEY.



SITE QUANTITIES

FINISHED GRADE ELEVATION	5180.30'
TOTAL CUT FOR WELL PAD	7,810 CY
FILL FOR WELL PAD	7,100 CY
10% FILL FACTOR	710 CY
TOTAL FILL	7,810 CY
NET EXCESS MATERIAL	0 CY
TOPSOIL FROM GRADED AREA	4,620 CY
TOTAL DISTURBANCE AREA	7.1 ACRES

PREPARED BY:

FILED DATE:

12-28-16

COLORADO CRAFT PAD

PREPARED BY:

FILED DATE:

01-10-17

SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M.

WELD COUNTY, COLORADO

FILED DATE:

01-10-17

WELD COUNTY, COLORADO

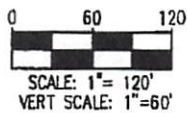
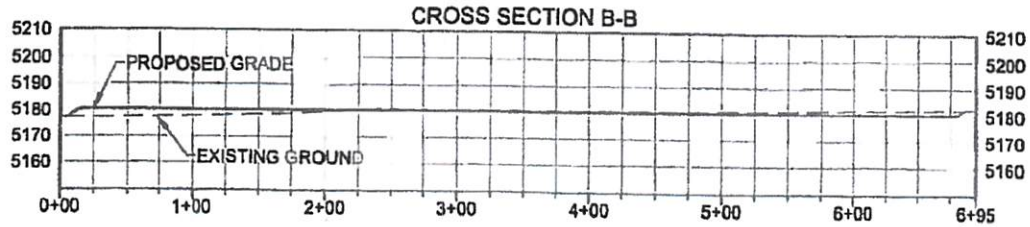
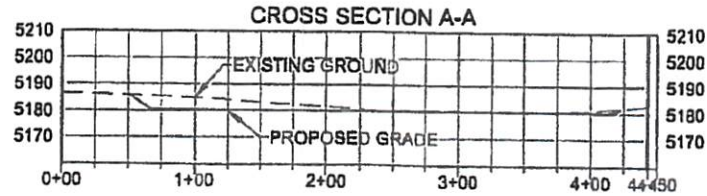
WELD COUNTY, COLORADO



enerplus

Exhibit A Doc



**COLORADO CRAFT PAD
CROSS SECTIONS**



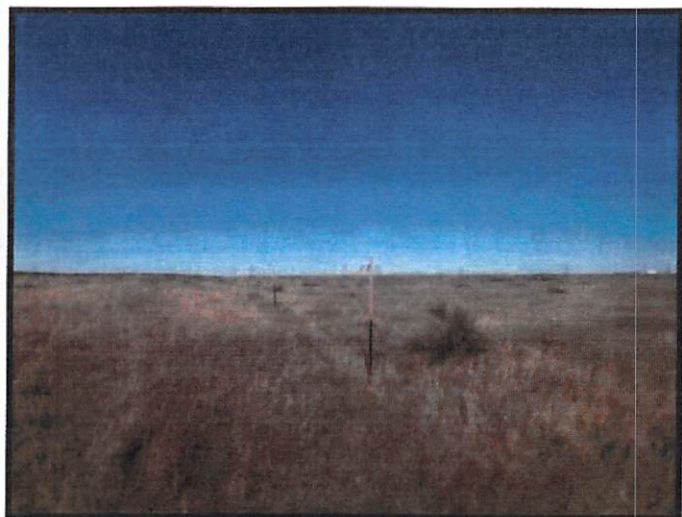
DISCLAIMER
THIS PLAN DOES NOT REPRESENT A MORALIZED LAND SURVEY AND SHOULD NOT BE
USED TO DETERMINE BOUNDARY LINES. PROPERTY OWNERSHIP OR OTHER
PROPERTY INTERESTS, PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND
MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN
FIELD VERIFIED.

NOTE

1. A COMPLETE UTILITIES LOCATION IS RECOMMENDED BEFORE CONSTRUCTION

PREPARED BY  <small>7515 N. Meade Lane Denver, CO 80231</small>	FIELD DATE 12-29-16	SITE NAME COLORADO CRAFT PAD	PREPARED FOR 
	DRAWING DATE 01-10-17	SURFACE SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M. WELD COUNTY, COLORADO	
	BY MDC	CHECKED BY KAD	

LOCATION PHOTOS



Looking North



Looking East



Looking South



Looking West

Well Pad Name: COLORADO CRAFT PAD

Operator: ENERPLUS RESOURCES (USA) CORP.

Location: T8N R67W S36 SESW

Date Taken: 12-29-2016

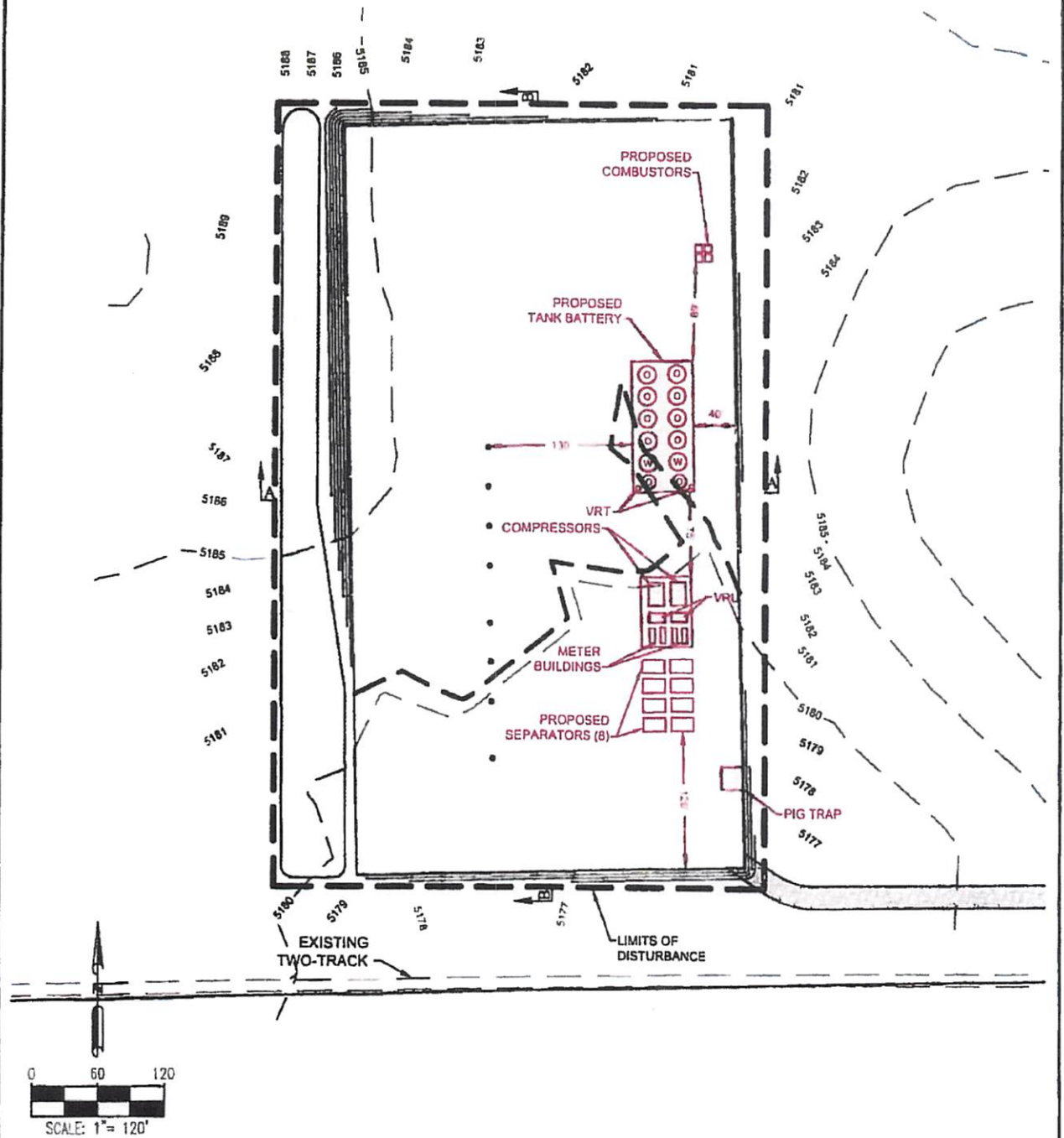
enerPLUS

7535 Hilltop Circle
Denver, CO 80221
(303) 928-7128
www.ascentgeomatics.com





Exhibit A Doc

COLORADO CRAFT PAD PRODUCTION LAYOUT



DISCLAIMER
THIS PLAN DOES NOT REPRESENT A UNLIMITED LAND SURVEY AND SHOULD NOT BE
FIELD UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER
PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND
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INDEPENDENTLY VERIFIED.


NOTE:
1 A COMPLETE UTILITIES LOCATION IS RECOMMENDED BEFORE CONSTRUCTION

PREPARED BY  1535 Valley Circle Denver, CO 80202	FIELD DATE 12-29-16 DRAWING DATE 01-10-17 BY MDC CHECKED BY KAD	SITE NAME COLORADO CRAFT PAD SURFACE LOCATION SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR 
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Topographic map showing contour lines and a survey point labeled 5185. A dashed blue line is drawn across the map. A legend box contains a vertical sequence of colored dots (red, green, blue) corresponding to numbers 1 through 9. A scale bar indicates 0 to 400 feet, and a north arrow is present.

1. BEAUFORT 8-67-36-25C	7. DOUBLE-DOUBLE 8-67-36-25C
2. HUDSON BAY 8-67-36-25N	8. MAPLE 8-67-36-25C
3. ST. LAWRENCE 8-67-36-25C	9. EPHEMERAL STREAM IS $\pm 0^{\circ}$ SW
4. NORTHWESTERN PASSAGES 8-67-36-25C	10. STREAM IS $\pm 185^{\circ}$ NW
5. TOQUE 8-67-36-25N	
6. COWTOWN 8-67-36-25C	

- = PROPOSED WELL
- = PERMITTED WELL
- = PRODUCING WELL

 = EPHEMERAL STREAM
 = STREAM
 = DISTURBANCE AREA
 = 1000' RADIUS

DISCLAIMER
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE
RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER
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MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN
INDEPENDENTLY VERIFIED

DATA SOURCE
TOPO MAP USGS
NHD USGS

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN
INDEPENDENTLY VERIFIED BY PFS



7535 Hilltop Circle
Denver, CO 80221
(303) 928-7128
www.ascentgeomatics.com

FIELD DATE:	04-12-17
DRAWING DATE:	08-16-18

BY
S. J. H.

CHECKED BY
IJM

SITE NAME
CANADIAN SLANG PAD

SURFACE LOCATION	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
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53	54
55	56
57	58
59	60
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63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR	
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enerPLUS

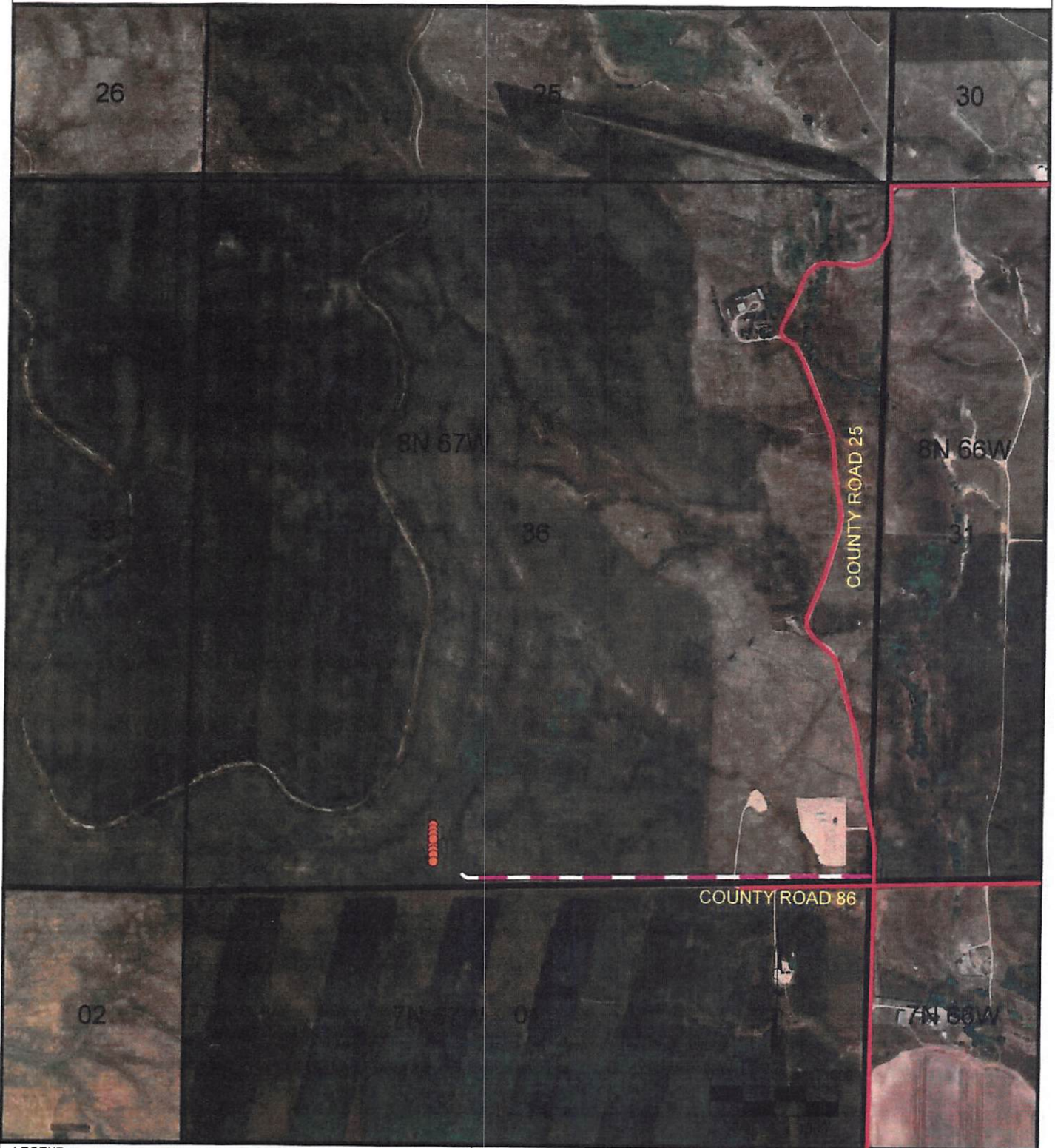
Exhibit A Doc
 Colorado Craft Initial Operations Area
 Exhibit A



SE/4 SW/4, Sec. 36, T8N, R67W, 6th P.M.
 Weld County, Colorado



COLORADO CRAFT PAD ACCESS ROAD MAP



LEGEND:



= PROPOSED WELL

— SECTION LINE

— PROPOSED ACCESS ROAD

— EXISTING ROAD

DISCLAIMER:
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MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN
INDEPENDENTLY VERIFIED

DATA SOURCE:
AERIAL IMAGERY NAIP 2015
PLUS BLM

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN
INDEPENDENTLY VERIFIED BY PFS

PREPARED BY:



FIELD DATE:

12-29-16

DRAWING DATE:

01-13-17

BY

KAD

CHECKED BY

MDC

SITE NAME:

COLORADO CRAFT PAD

SURFACE LOCATION

SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M.

WELD COUNTY, COLORADO

PREPARED FOR

enerPLUS

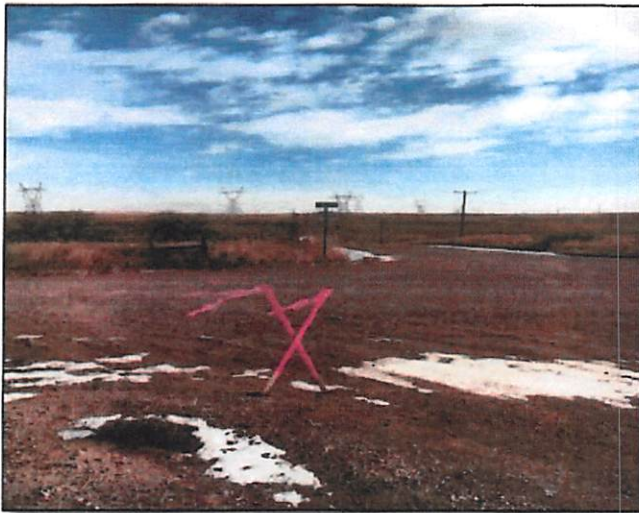
ACCESS ROAD PHOTOS



Looking from the roadway into the access location



Looking down the roadway to the left of the access



Looking from the access to the roadway



Looking down the roadway to the right of the access

Well Pad Name: COLORADO CRAFT PAD

Operator: ENERPLUS RESOURCES (USA) CORP.

Access Location: T8N R67W S36 SESW

Date Taken: 12-14-2016

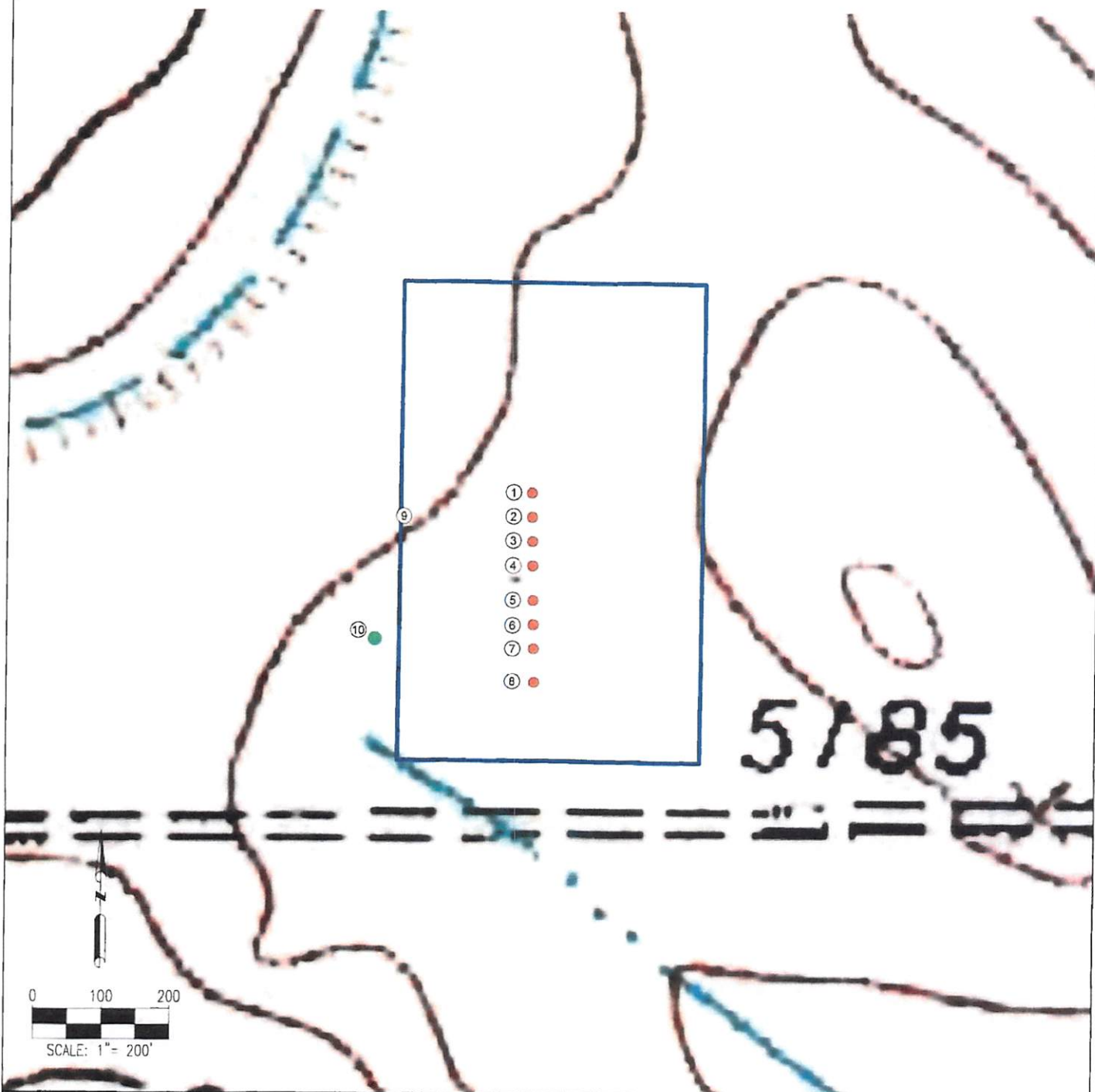
LAT: 40.610821 LONG: -104.831765

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COLORADO CRAFT PAD REFERENCE AREA MAP



1. AIMING FLUID 8-67-36-25N
2. AMBER NECTAR 8-67-36-25C
3. BARLEY POP 8-67-36-25C
4. BREW 8-67-36-25C
5. BREWSKI 8-67-36-25N

6. FROSTIE 8-67-36-25C
7. LIQUID BREAD 8-67-36-25C
8. SUDS 8-67-36-25C
9. DISTURBANCE AREA BOUNDARY
10. REFERENCE PHOTO POINT

REFERENCE LOCATION

REFERENCE PHOTO POINT

LAT: 40.611226°
LONG: -104.844785°
ELEVATION: 5181'

DISCLAIMER
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DATA SOURCE
TCPO MAP USGS
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN
INDEPENDENTLY VERIFIED BY PFS

LEGEND:

- = PROPOSED WELL
- = REFERENCE PHOTO POINT

= DISTURBANCE AREA

PREPARED BY



FIELD DATE:

12-29-16

DRAWING DATE

01-13-17

BY

KAD

CHECKED BY

MDC

SITE NAME:

COLORADO CRAFT PAD

SURFACE LOCATION

SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M.

WELD COUNTY, COLORADO

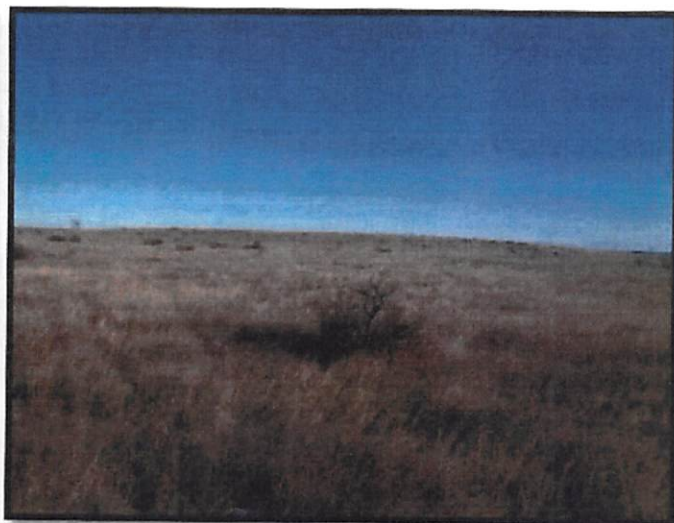
PREPARED FOR

enerPLUS

REFERENCE PHOTOS



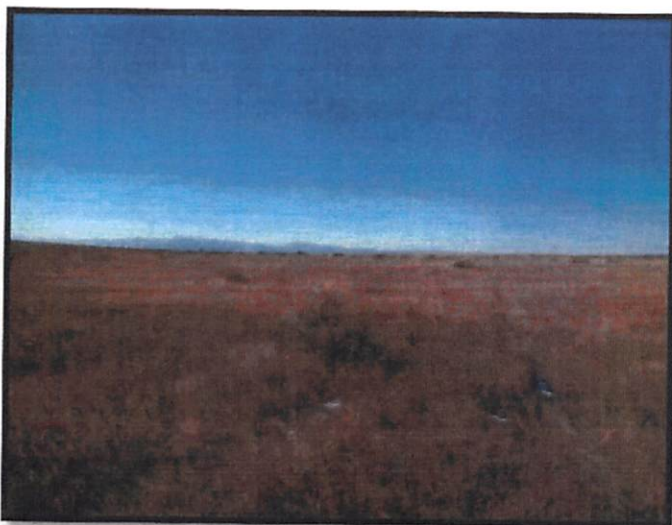
Looking North



Looking East



Looking South



Looking West

Well Pad Name: COLORADO CRAFT PAD

Operator: ENERPLUS RESOURCES (USA) CORP.

Location: T8N R67W S36 SESW

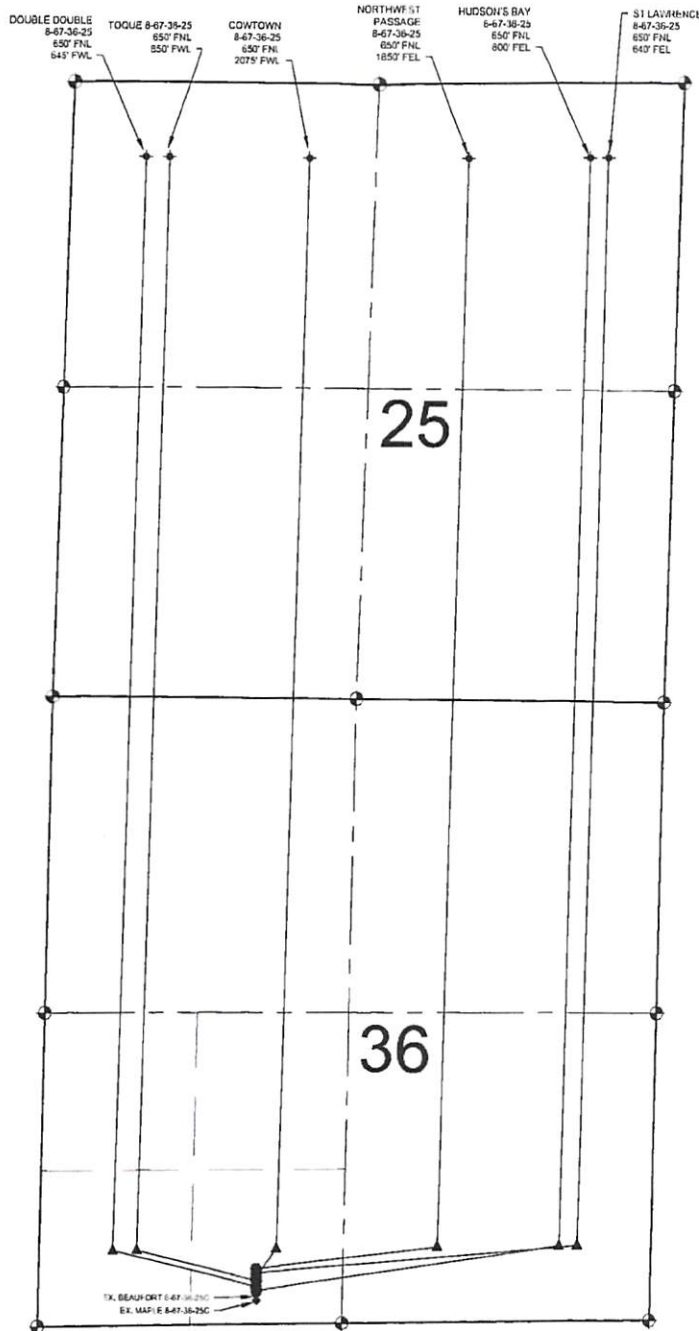
Date Taken: 12-29-2016

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CANADIAN SLANG PAD DIRECTIONAL WELL PLAT



NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE COGCC, RULE NO. 215
2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40.654382°N, A CENTRAL MERIDIAN LONGITUDE OF 104.887025°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000253 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

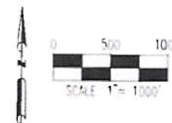
NOTES:

DOUBLE DOUBLE 8-67-36-25 TO BE AT 328' FSL & 1906' FWL.
BOTTOM HOLE AT 650' FNL & 645' FWL, SEC. 25.
TOQUE 8-67-36-25 TO BE AT 376' FSL & 1904' FWL.
BOTTOM HOLE AT 650' FNL & 850' FWL, SEC. 25.
COWTOWN 8-67-36-25 TO BE AT 411' FSL & 1903' FWL.
BOTTOM HOLE AT 650' FNL & 2075' FWL, SEC. 25.
NORTHWEST PASSAGE 8-67-36-25 TO BE AT 481' FSL & 1901' FWL.
BOTTOM HOLE AT 650' FNL & 1850' FWL, SEC. 25.
HUDSON'S BAY 8-67-36-25 TO BE AT 291' FSL & 1907' FWL.
BOTTOM HOLE AT 650' FNL & 800' FWL, SEC. 25.
ST LAWRENCE 8-67-36-25 TO BE AT 446' FSL & 1902' FWL.
BOTTOM HOLE AT 650' FNL & 640' FWL, SEC. 25.

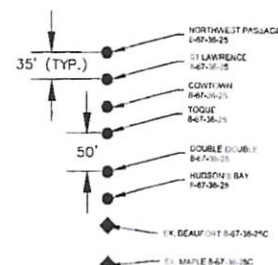
EX. BEAUFORT 8-67-36-25C IS AT 256' FSL & 1907' FWL.
EX. MAPLE 8-67-36-25C IS AT 206' FSL & 1909' FWL.

LEGEND

- = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ▲ = LANDING POINT
- ◆ = EXISTING WELL
- LP = LANDING POINT
- BHL = BOTTOM HOLE



WELL DETAILS 1" = 100'



HUDSON'S BAY 8-67-36-25 WELL LOCATION EXHIBIT

WELL HUDSON'S BAY 8-67-36-25 TO BE
LOCATED 291' FSL & 1907' FWL

WELL BORE COORDINATES (NAD83)

SURFACE LOCATION:
GROUND ELEVATION=5181'
LATITUDE 40.611281°N
LONGITUDE 104.843947°W

LANDING POINT:
LATITUDE 40.612383°N
LONGITUDE 104.834569°W

BOTTOM HOLE:
LATITUDE 40.638054°N
LONGITUDE 104.833962°W

WELL NOTES:
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE - IMPROVED PASTURE
EX. BEAUFORT 8-67-36-25C IS 35' S AT 256' FSL &
1907' FWL.
SEE LOCATION DRAWING FOR ADDITIONAL
IMPROVEMENTS WITHIN 500'

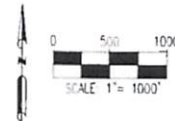
PDOP = 2.0
GPS OPERATOR: AARON RIVERA

NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE COGCC, RULE NO. 215
2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40.654382°N, A CENTRAL MERIDIAN LONGITUDE OF 104.887025°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000253 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
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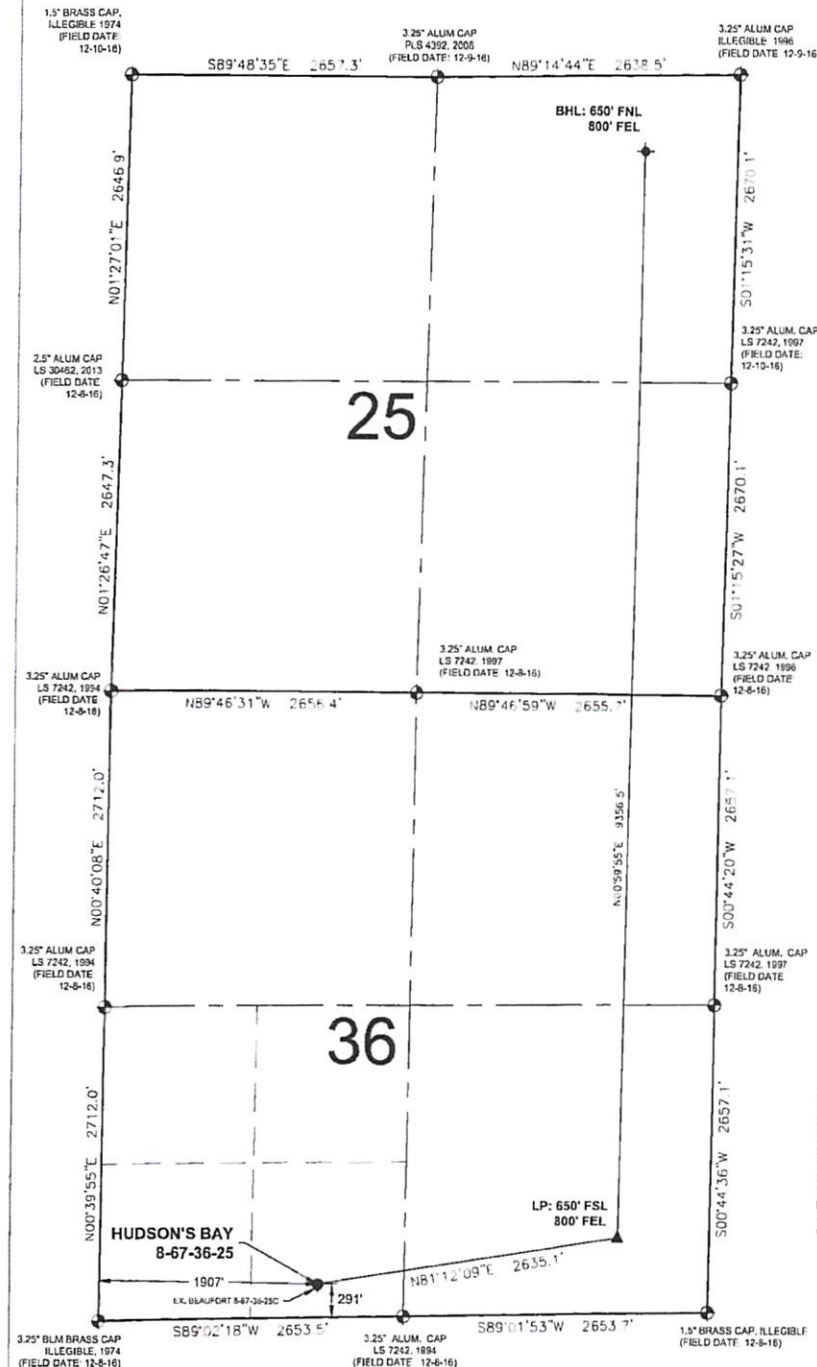


I, BRANDON A. MOSER, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO **ENERPLUS RESOURCES (USA) CORPORATION** THAT THE WELL LOCATION EXHIBIT SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS EXHIBIT MEETS THE REQUIREMENTS OF A GIS LAND POSITION AS DEFINED BY SECTION 38-51-109.3 C.R.S. AND AS SUCH PER SECTION 38-51-109.3 C.R.S. CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

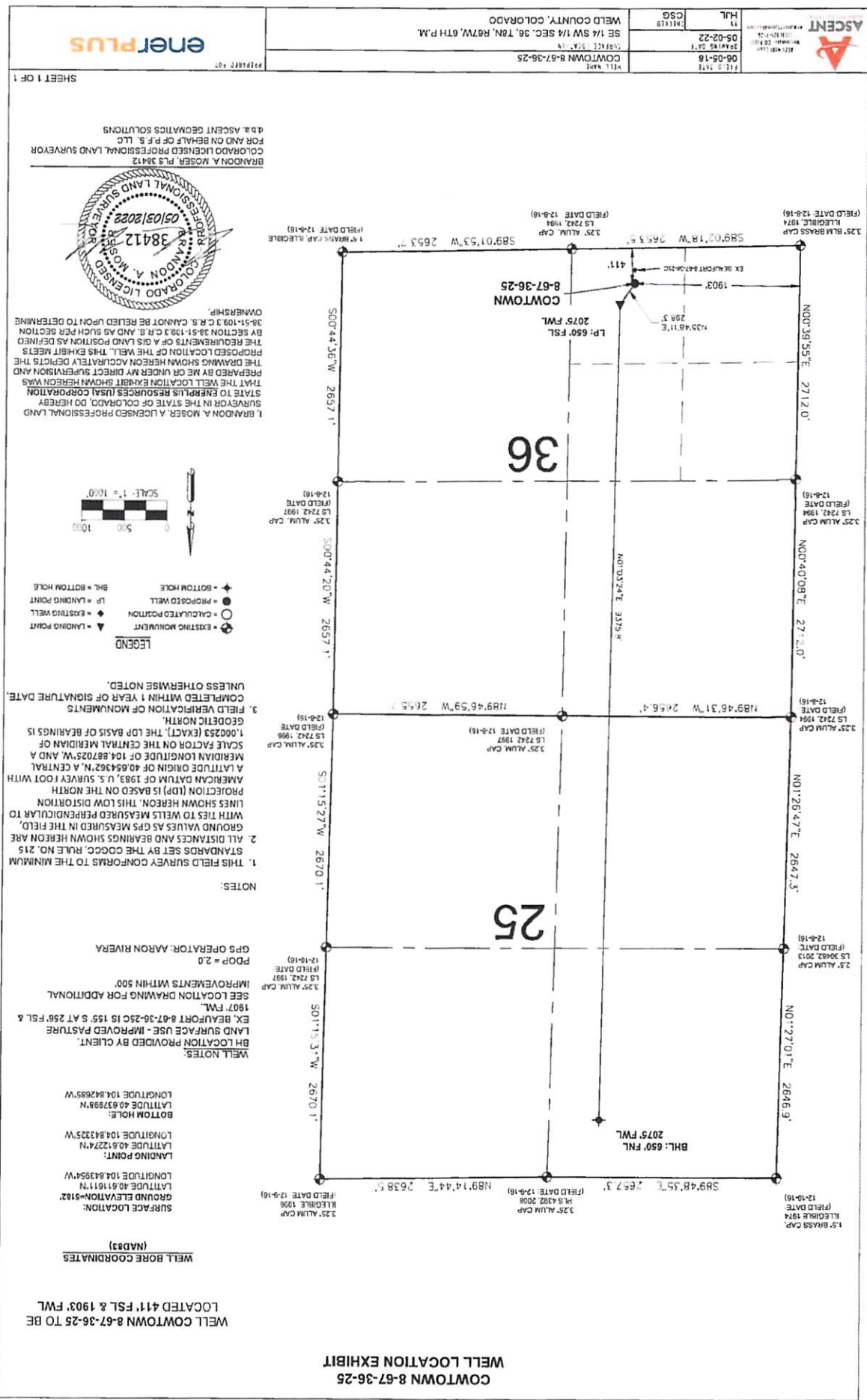


BRANDON A. MOSER, PLS 38412
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S. LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS

SHEET 1 OF 1



	FIELD DATE 06-05-18 DRAWING DATE 05-02-22 BY HJL FIELD CSG	WELL NAME HUDSON'S BAY 8-67-36-25 SURFACE LOCATION SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M. WELD COUNTY, COLORADO	PROJECT FOR
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DOUBLE DOUBLE 8-67-36-25 WELL LOCATION EXHIBIT

WELL DOUBLE DOUBLE 8-67-36-25 TO BE
LOCATED 326' FSL & 1906' FWL

WELL BORE COORDINATES (NAD83)

SURFACE LOCATION:
GROUND ELEVATION=5180'
LATITUDE 40.611377°N
LONGITUDE 104.843949°W

LANDING POINT:
LATITUDE 40.612210°N
LONGITUDE 104.848475°W

BOTTOM HOLE:
LATITUDE 40.638013°N
LONGITUDE 104.847838°W

WELL NOTES:
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE - IMPROVED PASTURE
EX. BEAUFORT 8-67-36-25C IS 70' S AT 256' FSL &
1907' FWL.
SEE LOCATION DRAWING FOR ADDITIONAL
IMPROVEMENTS WITHIN 500'

PDOP = 2.0
GPS OPERATOR: AARON RIVERA

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- = PROPOSED WELL
- ◆ = BOTTOM HOLE
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- ◆ = EXISTING WELL
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- BHL = BOTTOM HOLE

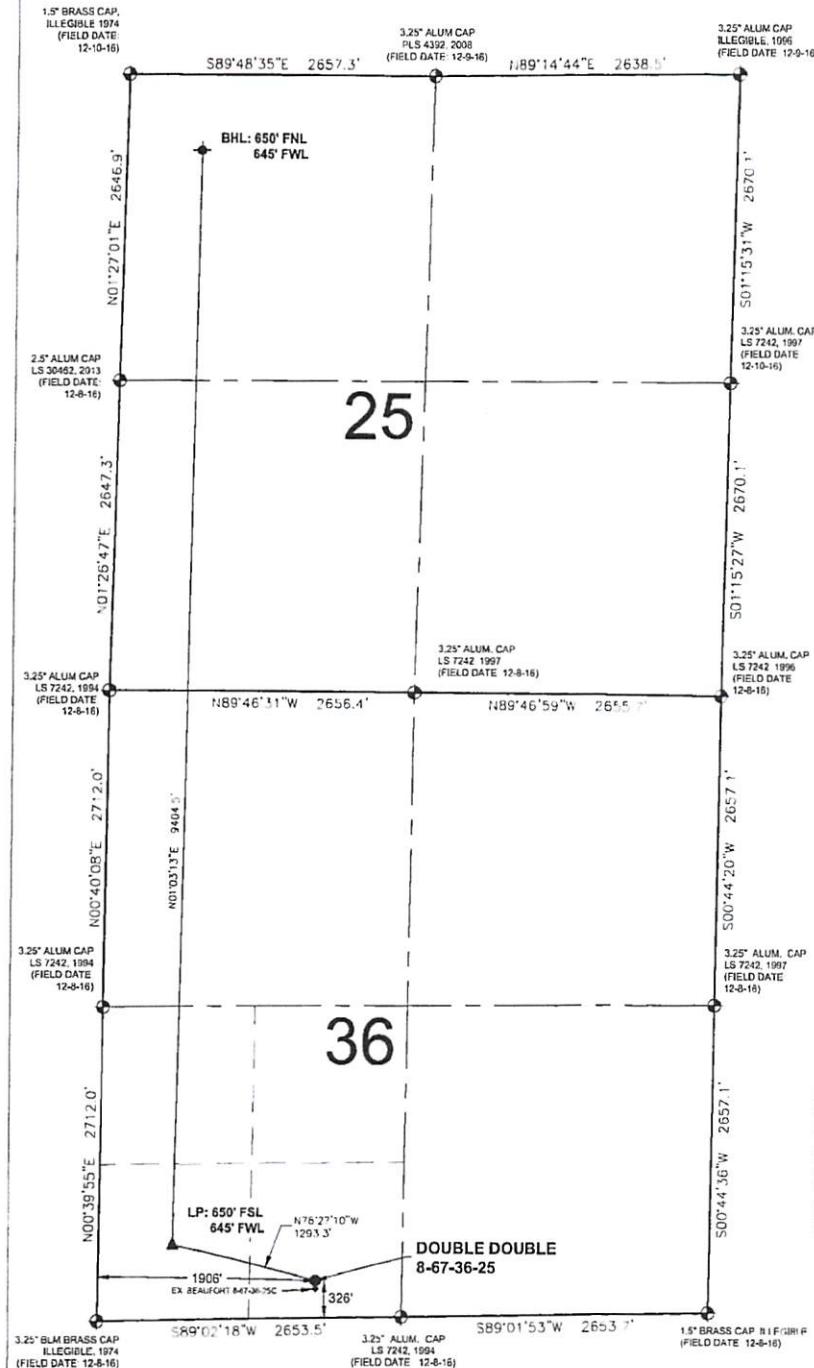


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BRANDON A. MOSER, PLS 38412
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S. LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS

SHEET 1 OF 1



	FILED DATE	06-05-18	WELL NAME	DOUBLE DOUBLE 8-67-36-25
	DRAWING DATE	04-06-22	SURFACE LOCATION	SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M.
	BY	JEB	CHECKED	LJM
	WELD COUNTY, COLORADO			

**TOQUE 8-67-36-25
WELL LOCATION EXHIBIT**

WELL TOQUE 8-67-36-25 TO BE
LOCATED 376' FSL & 1904' FWL

**WELL BORE COORDINATES
(NAD83)**

SURFACE LOCATION:
GROUND ELEVATION=5182'
LATITUDE 40.611515°N
LONGITUDE 104.843952°W

LANDING POINT:
LATITUDE 40.612219°N
LONGITUDE 104.847737°W

BOTTOM HOLE:
LATITUDE 40.638011°N
LONGITUDE 104.847099°W

WELL NOTES:
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE - IMPROVED PASTURE
EX. BEAUFORT 8-67-36-25C IS 120' S AT 256' FSL &
1907' FWL.
SEE LOCATION DRAWING FOR ADDITIONAL
IMPROVEMENTS WITHIN 500'

PDOP = 2.0
GPS OPERATOR: AARON RIVERA

NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE COGCC, RULE NO. 215
2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40.654362°N, A CENTRAL MERIDIAN LONGITUDE OF 104.887025°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000253 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

LEGEND

- = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ▲ = LANDING POINT
- ◆ = EXISTING WELL
- LP = LANDING POINT
- BHL = BOTTOM HOLE



I, BRANDON A. MOSER, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO ENERPLUS RESOURCES (USA) CORPORATION THAT THE WELL LOCATION EXHIBIT SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS EXHIBIT MEETS THE REQUIREMENTS OF A GIS LAND POSITION AS DEFINED BY SECTION 38-51-109.3 C.R.S. AND AS SUCH PER SECTION 38-51-109.3 C.R.S. CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.



BRANDON A. MOSER, PLS 38412
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S. LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS

SHEET 1 OF 1

	FIELD DATE 05-05-18 DRAWING DATE 04-06-22 BY JEB CHECKED JLM	WELL NAME TOQUE 8-67-36-25 SURFACE LOCATION SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR
--	---	--	------------------








NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
D.B.A. ASCENT GEOMATICS SOLUTIONS

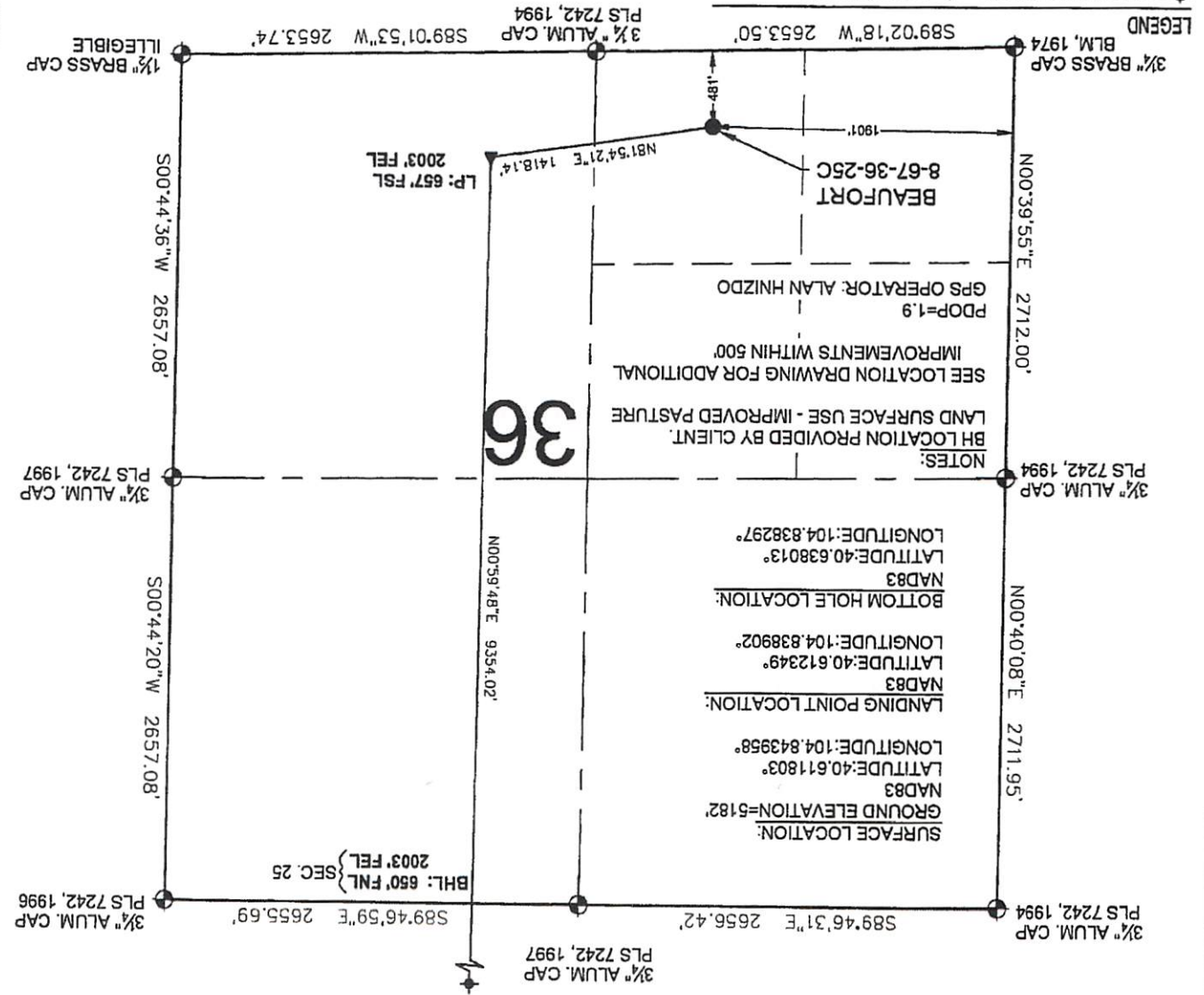
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C., RULE NO. 215
2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40 54 34.22" N, A CENTRAL MERIDIAN LONGITUDE OF 104 48 07.25" W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000253 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

I, ROBERT J. GURFF, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE THAT THIS WELL LOCATION CERTIFICATE WAS MADE FROM AN ACTUAL FIELD SURVEY PERFORMED UNDER MY RESPONSIBLE CHARGE ON THE DATE SHOWN HEREON, AND CORRECTLY SHOWS THE LOCATION OF THE WELL SHOWN HEREON, AS STAKED ON THE GROUND, AND THE LOCATION OF THE LINES OF THE PUBLIC LAND SURVEY SYSTEM TO MY KNOWLEDGE, INFORMATION, AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY, PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND IS IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF PRACTICE FOR PROFESSIONAL LAND SURVEYING. THIS CERTIFICATE IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED.

20680
8/16/25
ROBERT J. GURFF
COLORADO LICENSE

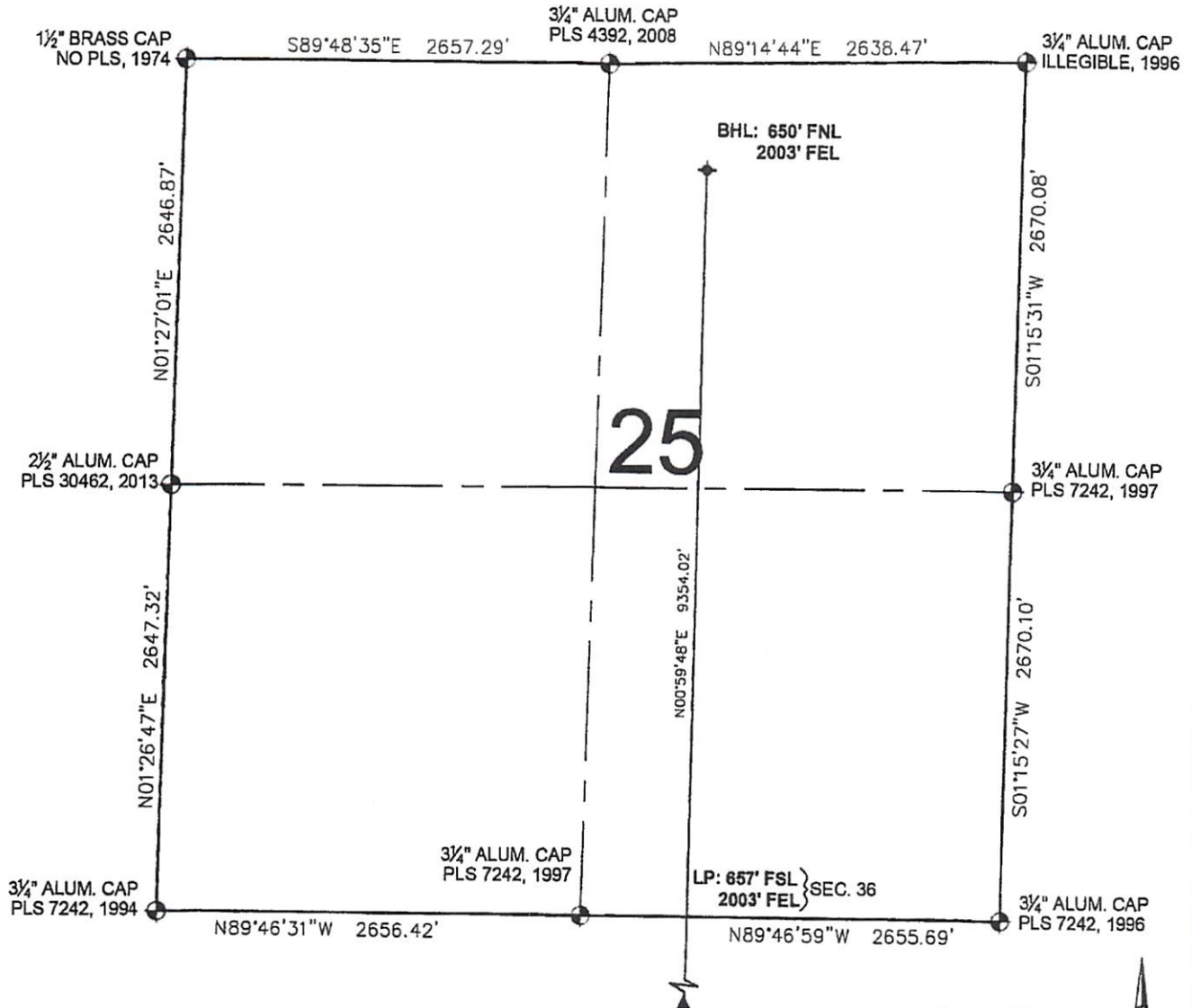
-  = EXISTING MONUMENT
 = CALCULATED POSITION
 = PROPOSED WELL
 = EXISTING WELL
 = BOTTOM HOLE
 = LANDING POINT
 = BOTTOM HOLE LOCATION

WELL BEAUFORT 8-67-36-25C TO BE
LOCATED 481' FSL & 1901' FWL



BEAUFORT 8-67-36-25C
WELL LOCATION CERTIFICATE

BEAUFORT 8-67-36-25C WELL LOCATION CERTIFICATE



0 500 1000
SCALE: 1" = 1000'

LEGEND

- ⊙ = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = EXISTING WELL
- ⬆ = BOTTOM HOLE
- ▲ = LANDING POINT
- LP = LANDING POINT
- BHL = BOTTOM HOLE LOCATION

ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS



SHEET 2 OF 2



7535 Hillway Circle
Denver, CO 80221
(303) 928-7128
www.ascentgeomatics.com

FIELD DATE
04-12-17
DRAWING DATE
08-16-18

BY:
SJH

CHECKED BY
IJM

WELL NAME
BEAUFORT 8-67-36-25C

SURFACE LOCATION

SE 1/4 SW 1/4 SEC. 36, T8N, R67W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR

enerPLUS

Second Amendment
EXHIBIT B - 1
to
SURFACE USE AGREEMENT

PAYMENT TABLE

Fee Category	Tier 1	Tier 2	Tier 3
	State has a mineral interest of greater than or equal to 50% but less than 100% ⁵	State has a mineral interest of greater than 10% but less than 50%	State has a mineral interest of less than or equal to 10% ⁴
Initial Damage Payment: Initial well pad or facility payment per acre	\$5,000	\$7,500	TBD
Well Payments: Well payment per well ¹	\$5,000 one-time	\$7,500 one-time	TBD ⁶
Annual Payment: Rental due per year	10% of initial well pad or facility payment	10% of initial well pad or facility payment	TBD
Access Corridor Payment: Access roads, pipeline and powerline easements, and other off-pad disturbances	\$5,000 per acre or ROW pricing ² , one-time payment	\$5,000 per acre or ROW pricing ² , one-time payment	TBD
Production Facilities Payment: Off-property wells producing through an onsite Production Facility ³	\$5,000 per well, one-time payment	\$7,500 per well, one-time payment	TBD

- (1) Payment is due on or before the next annual anniversary date after the spud of a well.
- (2) \$5,000 per acre or the Standard State ROW rates, whichever is greater; may be subject to either the SUA or a separate ROW agreement.
- (3) Requires prior written approval by the State Land Board and payment before any construction may begin. Please refer to the COGCC Rules and Regulations for the definition of Production Facility.
- (4) All applications that fall into the Tier 3 category require that the proposed fee structure be submitted to the Board for approval.
- (5) SUAs are not required when the state has 100% mineral ownership or when wellbores are contained entirely within state minerals.
- (6) Well Payments will be \$10,000 when the Initial Damage Payment falls into Tier 1 or Tier 2.

Exhibit B

Instructions: Please fill out all of the sections that are highlighted in yellow. In the well column input the well name and the percentage of the wellbore or spacing unit that will be committed to the Colorado State Land Board. If there are more spaces than wells please leave them blank and do not enter "0". Please enter all numbers to the maximum known decimal interest to insure accuracy. The total initial payment and the annual rental payment will then be automatically calculated. Please note that if the total State percentage is 10% or less then board approval will be required and this chart should not be used.

Fee Schedule

Well Name	%	Percentage of State Minerals	Charge per Acre
Toque 8-67-36-25C (f.k.a Brewski 8-67-36-25C)	50	10% to 0% State minerals	Board Approval
Cowtown 8-67-36-25C (f.k.a Frostie 8-67-36-25N)	50	Greater then 10% but less then 50% State Minerals	\$7,500.00
Double-double 8-67-36-25C (f.k.a. Liquid Bread 8-67-36-25C)	50	50% or greater but less then 100% State Minerals	\$5,000.00
Maple 8-67-36-25C (f.k.a. Suds 8-67-36-25C & f.k.a Loony 8-67-36-25C)	50	100% State Minerals	\$0.00
Beaufort 8-67-36-25C	50	Input the proposed total disturbance to the maximum known decimal point below.	
Hudson Bay 8-67-36-25N	50		
Northwestern Passages 8-67-36-25C	50		
St. Lawrence 8-67-36-25C	50		
		Input the total acreage of the wellpad	7.1
		Input the total acreage of all pipeline easements, access roads, and other disturbances NOT on the well pad	7.6
		Calculated Total State Percentage from previous column	50
		Well pad cost per acre based to State Percentage	\$5,000.00
		Off well pad cost per acre for off well pad disturbances	\$5,000.00
		Initial payment due for well pad disturbance	\$35,500.00
		One time payment due for off well pad disturbance	\$38,000.00
		Final Calculated Payments	
		Total initial payment due for all planned construction	\$73,500.00
The Calculated State Percentage will automatically be carried over and input.		Annual Rental Payment due on anniversary date	\$3,550.00

Second Amendment

Exhibit B

Total Well Payment Calculator			
Percentage of State Minerals	Enter the number of wells running into the State Facility for each category	Charge per well	Total Payments
10% to 0% State minerals		\$10,000	\$0.00
Greater then 10% but less then 50% State Minerals		\$7,500	\$0.00
50% or greater but less then 100% State Minerals	8	\$5,000	\$40,000.00
100% State Minerals		\$0	\$0.00
		Total Well Payment*	\$40,000.00

*Well Payments are due on the next annual anniversary date of the Effective date following spud. This number assumes full development.

Second Amendment

Exhibit C Doc



January 30, 2017

State Board of Land Commissioners
Main Office
Attn: Steve Freese
1127 Sherman Street, Suite 300
Denver, Colorado 80203

RE: Site Consult Request Colorado Craft Pad, SE 4SW 4 Section 36-18N-R67W, Weld
County, Colorado State Oil and Gas Lease No. 2897.14

Dear Mr. Freese,

Enerplus Resources (USA) Corporation (Enerplus) would like to request a site consult for the
above referenced well pad at your earliest convenience.

Enerplus intends to eventually drill four (4) horizontal wells on the Colorado Craft pad in
SE/4SW/4 Section 36-8N-67W. The wells Enerplus intends to drill are shown on the included
survey plat package that is being submitted herewith. The proposed wells will be drilled in
accordance with the lease rights granted by the State of Colorado.

Upon review of oil and gas lease number OG 2897.14, Enerplus has determined that there are
additional stipulations as listed in section 5 of the lease and attached as Exhibit A. Enerplus
intends to accommodate any timing or locations issues that may affect its drilling operations.

Enclosed please find the applicable survey documents for the Colorado Craft pad. Please let us
know if you would like to set up a consult to view the pad site. Should you find the location
satisfactory and approve the location and wells to be drilled, please sign and return the attached
acknowledgement.

Should you have any questions, please do not hesitate to contact me at my phone number given
below.

Sincerely,

A handwritten signature in black ink, appearing to read "Tommy Carpenter".

Tommy Carpenter
A/E Coordinator
Enerplus Resources (USA) Corporation
(720) 279-5520 - Direct
t.carpenter@enerplus.com

**ENERPLUS RESOURCES
(USA) CORPORATION**

1000 North Lincoln Street, Suite 1000

Chicago, IL 60606

Phone: (773) 300-1000 Fax: (773) 300-1001

Website: www.enerplus.com

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Exhibit A
2897 14

DESCRIPTION OF LAND:

W2	8N	67W	36	6th PM
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Containing 320.00 acres, more or less

SPECIAL STIPULATION(S):

As of the effective date of the Lease, there are no known Colorado Parks & Wildlife (CPW) mapped High Priority Habitat (HPH) and/or occurrences of Federally-listed Endangered, Threatened, or Candidate wildlife or plant species as mapped by Colorado Natural Heritage Program (CNHP), on the leased land. Prior to surface access for operations and in connection with any Location Assessment for oil and gas operations, or the submittal of an Application for Permit to Drill (APD) with the Colorado Oil and Gas Conservation Commission (OGCC), Lessee shall consult with and obtain approval of the Lessor's District Manager, or his designee, for operations, including without limitation, exploration activities, well siting and access, and facilities locations. In connection therewith, Lessee shall consult with CPW and CNHP representatives regarding appropriate design measures and best management practices (BMPs) to avoid and minimize adverse impacts to biological resources, species and habitats. Lessor's conservation mandate may require Lessee's compliance with site specific measures to address CPW and CNHP concerns relating to the siting of facilities and the implementation of BMPs to avoid, minimize and mitigate adverse impacts. Site specific requirements may include, but are not limited to: 1) restricted or prohibited surface occupancy, 2) noise limitations or mitigation measures, 3) seasonal operations restrictions, 4) biological resource mapping, 5) ground or surface water testing, 6) air quality testing and 7) adoption of a comprehensive soil management plan. Lessor does not waive any OGCC consultation requirements with the surface owner, and Lessee shall not seek a variance to any required consultation without the advance written approval of the Lessor. Without excluding other penalties or remedies available under this Lease or as provided by law, Lessor shall impose penalties, subject to the applicable Lease notice and cure rights, including Lease cancellation and fines of up to \$10,000 per day, for any violation of this special stipulation or the resulting BMPs, in whole or in part, arising directly or indirectly from the use, occupation or control of the Leased Premises by Lessee, Lessee's contractor or operator under this Lease. If Lessor determines any oil and gas operations pose a risk of immediate damage to public health, safety or welfare Lessor may order the immediate suspension of operations to investigate and remedy the issues.

Exhibit C

A desktop review was performed using the CNHP database that was last updated in March of 2016. Upon completion of the review it was determined that there are no issues of concern for Sect. 36 Twp 8N Rng 67W.

A handwritten signature in blue ink, appearing to read 'Steve Freese', is written over a horizontal line.

Steve Freese
Mineral Field Technician
Colorado State Land Board

Date 2/2/17

STATE OF
COLORADO

Freese - DNR, Steve <steve.freese@state.co.us>

Re: Request for CPW review 36 8N 67W

1 message

Marette - DNR, Brandon <brandon.marette@state.co.us>
To: "Freese - DNR, Steve" <steve.freese@state.co.us>

Tue, Dec 13, 2016 at 4:53 PM

Hi Steve,

Thank you for proactively reaching out to CPW.

While nothing showed up on our HB1298, raptor nest, or prairie dog maps, in talking with the local DWM, CPW has three concerns:

1) There is a prairie dog town on the east 1/2 of Section 36. If initial site disturbance is planned within any portion of this prairie dog town and begins during the burrowing owl nesting season (March 15 to October 31), CPW recommends a survey to determine if burrowing owls are actively nesting. If burrowing owls are actively nesting, then CPW recommends a 300 foot buffer during the nesting season.

2) The riparian area of Coalbank Creek has the potential for nesting raptors. If initial site disturbance is planned within 1/2-mile of the riparian area during raptor nesting season (Feb. 15 to July 15), then CPW recommends a raptor nest survey. If any raptors are actively nesting, then CPW recommends the species-specific buffer and timing stipulation as stated here: <https://cpw.state.co.us/Documents/WildlifeSpecies/LivingWithWildlife/RaptorBufferGuidelines2008.pdf>

3) CPW recommends no surface disturbance within an appropriate distance of Coalbank Creek.

Should you have any comments about these recommendations, please feel free to contact me.

Best regards,

Brandon B. Marette
Northeast Region Energy Liaison

COLORADO
Parks and Wildlife

Department of Natural Resources

Direct (303) 291-7327
6060 Broadway, Denver, CO 80216
brandon.marette@state.co.us | cpw.state.co.us

THINK SAFETY FIRST!

On Mon, Dec 5, 2016 at 10:46 AM, Freese - DNR, Steve <steve.freese@state.co.us> wrote:
Brandon,

I have an operator looking to construct a well pad in the above section. Could you please review this location and provide a list of recommendations. This section was leased in 2014 and CPW did not have any concerns at that time.

Thank you,

Steve Freese
Minerals Field Technician
Colorado State Board of Land Commissioners

P [303.866.3454](tel:303.866.3454) | F [303.866.3152](tel:303.866.3152) | C [303.905.2808](tel:303.905.2808)
1127 Sherman Street, Suite 300, Denver, CO 80203
Steve.Freese@state.co.us | www.colorado.gov/statelandboard