

FORM
15Rev
10/11

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



OGCC RECEPTION

Document Number:

EARTHEN PIT REPORT / PERMIT

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days is required for pits. Submit required attachments and forms.

Form Type: ☒ PERMIT ☐ REPORT

OGCC PIT NUMBER: 286376

NOTE: Operator to provide OGCC Pit Number only if available on an existing pit for pit report

OGCC Operator Number: 10,433

Contact Name: Wayne P. Bankert

Name of Operator: Piceance Energy, LLC

Address: 1512 LARIMER STREET SUITE 1000

Phone: (970) 812-5310

City: DENVER

State: CO

Zip: 80202

Email: WBANKERT@LARAMIE-ENERGY.COM

Pit Location Information

Operator's Pit/Facility Name: Federal 66S93W/31NENE

Operator's Pit/Facility Number: 286376

API Number (associated well): 05-

OGCC Location ID (associated location): 335166

Or Form 2A #

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE-31 -6S -93W-6

Latitude: 39.489540

Longitude: -107.811990

County: GARFIELD

Operation Information

Pit Use/Type (Check all that apply): Pit Type: ☒ Lined ☐ Unlined☒ Drilling: (Ancillary, Completion, Flowback, Reserve Pits) ☐ Oil-based Mud; ☐ Salt Sections or High Chloride Mud☐ Production: ☐ Skimming/Settling; ☒ Produced Water Storage; ☐ Percolation; ☐ Evaporation☐ Special Purpose: ☐ Flare; ☐ Emergency; ☐ Blowdown; ☐ Workover; ☐ Plugging; ☐ BS&W/Tank Bottoms☐ Multi-Well Pit: Construction Date: Actual or Planned: 05/01/2014

Method of treatment prior to discharge into pit:

Offsite disposal of pit contents: ☐ Injection; ☒ Commercial; ☐ Reuse/Recycle; ☐ NPDES; Permit Number:

Other Information: TEMPORARY COMPLETION PIT TO STORE PRODUCED AND FRESH WATER FOR COMPLETION OF 5 FED WELLS ON ADJACENT BLM LOCATION (335515)

Site Conditions

Distance (in feet) to the nearest surface water: 283

Ground Water (depth): 80

Water Well: 2,725

Is this location in a Sensitive Area? YES

Existing Location? YES

Pit Design and Construction

Size of Pit (in feet): Length: 152 Width: 130 Depth: 15 Calc. Volume (barrels): 35,000

Flow Rates (in bbl/day): Inflow: Outflow: Evaporation: Percolation:

Primary Liner. Type: POLY Thickness (mil): 40

Secondary Liner (if present): Type: Thickness (mil):

Is Pit Fenced? WILL BE Is Pit Netted? NO Leak Detection? NO

Other Information: RE-OPENING ORIGINAL COMPLETION THAT WAS APPROVED BY BLM IN ORIGINAL NEPA DOCUMENTS. PIT IN 100% CUT.

Operator
Comments:

PIT IS TEMPORARY. ANTICIPATED USAGE IS NOT TO EXCEED 4 MONTHS FROM FIRST STORAGE. PIT IS NEEDED TO SUPPORT COMPLETION OPERATIONS ON ADJACENT PAD TO REDUCE TRUCKING AND ENVIRONMENTAL IMPACTS.

Certification

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Wayne P. Bankert

Print Name: WAYNE P. BANKERT

Title: SENIOR REG. & ENV. COORD.

Email: WBANKERT@LARAMIE-ENERGY.COM

Date: 04/11/2014

Approval

Signed:

Title:

Date:

BMP

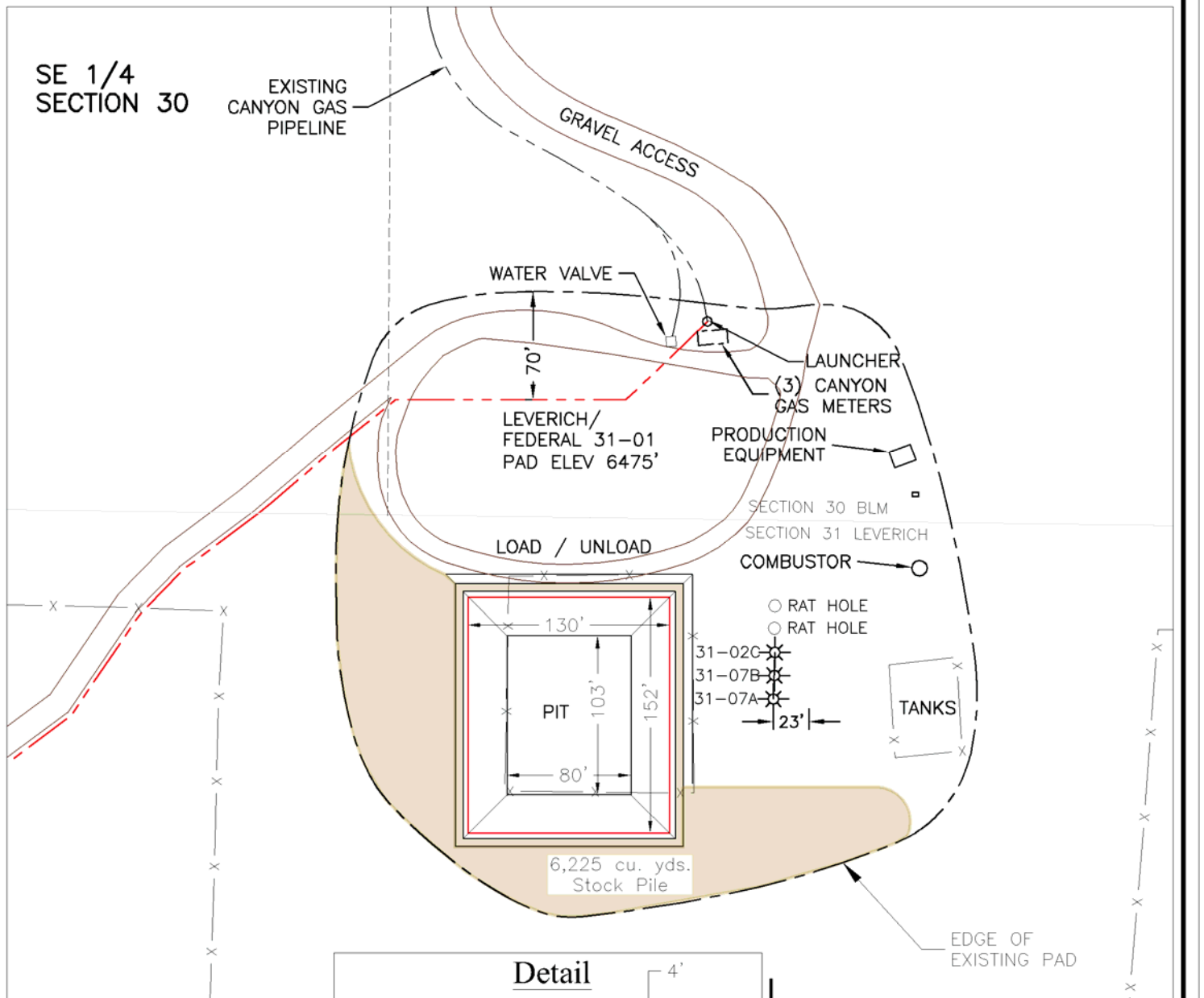
<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)

CONDITIONS OF APPROVAL:

PAD LAYOUT

Temporary Water Storage Impoundment



NE 1/4
SECTION 31



Sheet 1 of 3

GEO SURV

LAND SURVEYING AND MAPPING
LAFAYETTE - WINTER PARK
PH: 303.666.0379 FX: 303.666.8320

PICEANCE ENERGY LLC
FEDERAL 31-01 PAD

NE1/4 NE1/4 SECTION 31 T6S R93W
6th PM GARFIELD COUNTY COLORADO

PAD LAYOUT

Temporary Water Storage Impoundment

Pond Storage Volumes

20-Dec-13

Water Elev	Ac. Ft	(C.Y.)	Bbls	(C.F.)	Area(Ac)
6460.00	0.00	0.00	0.00	0.00	0.00
6461.00	0.20	314.60	1510.08	8495.00	0.20
6462.00	0.40	650.20	3120.96	17556.20	0.22
6463.00	0.62	1007.50	4836.00	27201.60	0.23
6464.00	0.86	1387.00	6657.60	37449.10	0.24
6465.00	1.11	1789.50	8589.60	48316.80	0.26
6466.00	1.37	2215.70	10635.36	59822.70	0.27
6467.00	1.65	2666.10	12797.28	71984.80	0.29
6468.00	1.95	3141.50	15079.20	84821.00	0.30
6469.00	2.26	3642.60	17484.48	98349.40	0.32
6470.00	2.58	4169.90	20015.52	112588.00	0.34
6471.00	2.93	4724.20	22676.16	127554.70	0.35
6472.00	3.29	5306.20	25469.76	143267.60	0.37
6473.00	3.67	5916.50	28399.20	159744.70	0.39
6474.00	4.06	6555.70	31467.36	177004.00	0.41
6475.00	4.48	7224.60	34678.08	195063.50	0.42
6476.00	4.91	7923.70	38033.76	213941.10	0.44
6476.57	5.17	8336.10	40013.28	225074.30	0.45
6477.00	5.36	8653.90	41538.72	233654.90	0.46
6478.00	5.84	9415.70	45195.36	254222.80	0.48
6479.00	6.33	10209.70	49006.56	275662.90	0.50

Volumes by Triangulation (Prisms)
2013

Fri Dec 20 11:05:26

Existing Surface: G:\GEOSURV\Laramie II_Well Plats\Federal\PadElev.tin

Final Surface: G:\GEOSURV\Laramie II_Well Plats\Federal\freshwater.tin

Cut volume: 195,063.5 C.F., 7,224.57 C.Y.

Fill volume: 26,991.8 C.F., 999.69 C.Y.

Area in Cut : 18,465.5 S.F., 0.42 Acres

Area in Fill: 10,428.6 S.F., 0.24 Acres

Total inclusion area: 28,894.2 S.F., 0.66 Acres

Average Cut Depth: 10.56 feet

Average Fill Depth: 2.59 feet

Cut to Fill ratio: 7.23

Export Volume: 6,224.9 C.Y.

Elevation Change To Reach Balance: 5.817

Volume Change Per .1 ft: 107.0 C.Y.

Cut (C.Y.) / Area (acres): 10891.56

Fill (C.Y.) / Area (acres): 1507.11

Sheet 2 of 3

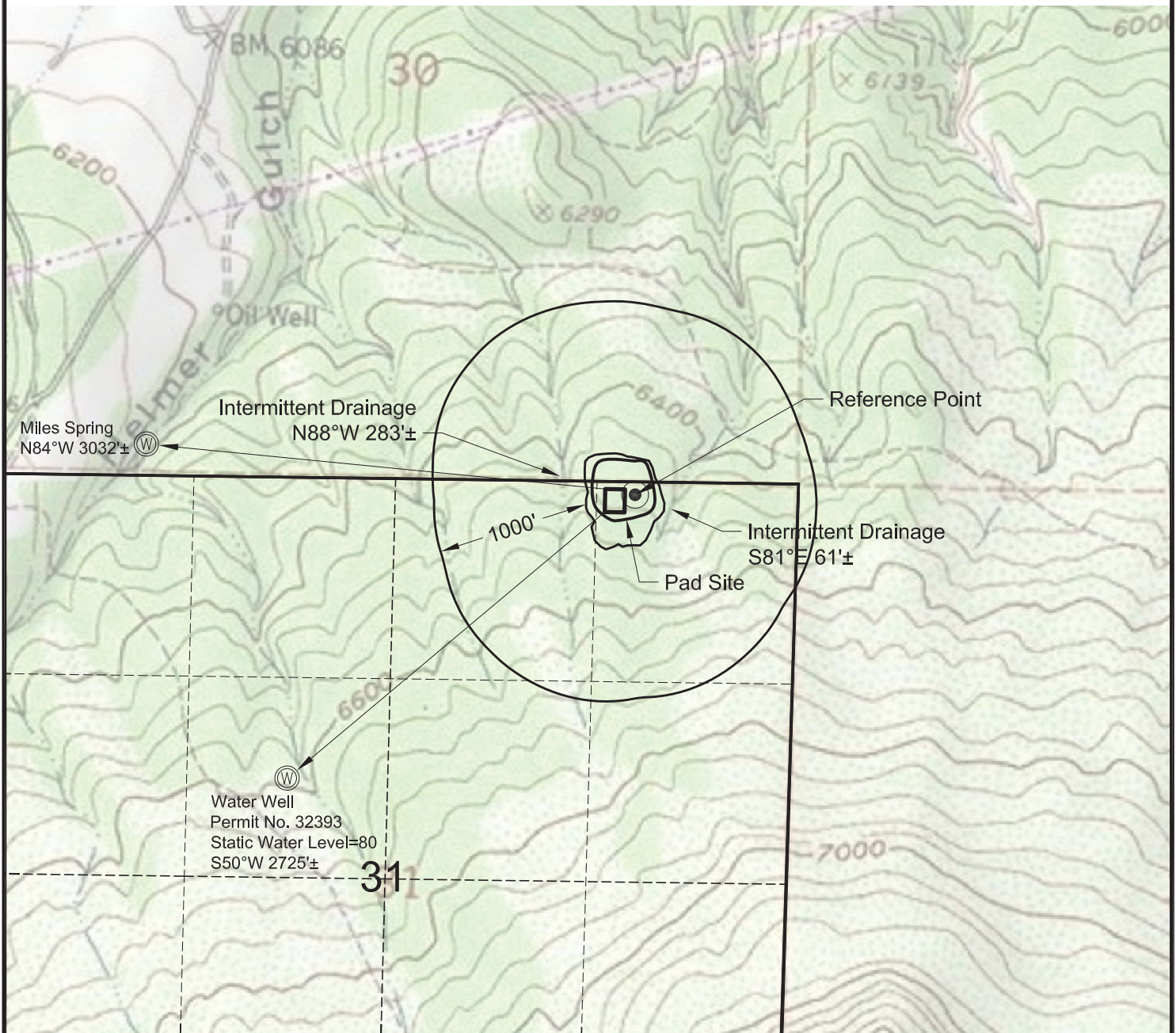


LAND SURVEYING AND MAPPING
LAFAYETTE - WINTER PARK
Ph 303 666 0379 Fx 303 665 6320

PICEANCE ENERGY LLC
FEDERAL 31-01 PAD

NE1/4 NE1/4 SECTION 31 T6S R93W
6th PM GARFIELD COUNTY COLORADO

HYDROLOGY MAP



North

0 1000 2000

Graphic Scale in Feet
1" = 1000'



LAND SURVEYING AND MAPPING
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PICEANCE ENERGY, LLC
FEDERAL 31-01 PAD

NE1/4 NE1/4 SECTION 31 T6S R93W
6th PM GARFIELD COUNTY COLORADO

3/25/14

LOCATION PHOTOS

Federal 31-01 Pad
NE NE Section 31 Twn. 6S Rng. 93W 6th PM
Lat: 39.48954 Long: -107.81199

Piceance Energy LLC
Garfield County, CO
Date of Pictures: 3/24/2014



PAD NORTH



PAD EAST



PAD SOUTH



PAD WEST



GEOSURV Inc. 520 Stacy CT Suite B Lafayette CO 80026 ph 303 666 0379 fx 303 665 6320

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