

**FORM
15**Rev
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: _____

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

OGCC Operator Number: _____	Contact Name: _____
Name of Operator: _____	
Address: _____	Phone: () _____
City: _____	State: _____ Zip: _____ Email: _____

Pit Location Information

Operator's Pit/Facility Name: _____	Operator's Pit/Facility Number: _____
API Number (associated well): 05- _____	
OGCC Location ID (associated location): _____	Or Form 2A # _____
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): _____ - - - -	
Latitude: _____	Longitude: _____ County: _____

Operation Information

Pit Use/Type (Check all that apply):	Pit Type: <input type="checkbox"/> Lined <input type="checkbox"/> Unlined
<input type="checkbox"/> Drilling: (Ancillary, Completion, Flowback, Reserve Pits)	<input type="checkbox"/> Oil-based Mud; <input type="checkbox"/> Salt Sections or High Chloride Mud
<input type="checkbox"/> Production:	<input type="checkbox"/> Skimming/Settling; <input type="checkbox"/> Produced Water Storage; <input type="checkbox"/> Percolation; <input type="checkbox"/> Evaporation
<input type="checkbox"/> Special Purpose:	<input type="checkbox"/> Flare; <input type="checkbox"/> Emergency; <input type="checkbox"/> Blowdown; <input type="checkbox"/> Workover; <input type="checkbox"/> Plugging; <input type="checkbox"/> BS&W/Tank Bottoms
<input type="checkbox"/> Multi-Well Pit:	Construction Date: _____ Actual or Planned: _____
Method of treatment prior to discharge into pit: _____	
Offsite disposal of pit contents:	<input type="checkbox"/> Injection; <input type="checkbox"/> Commercial; <input type="checkbox"/> Reuse/Recycle; <input type="checkbox"/> NPDES; Permit Number: _____
Other Information:	_____

Site Conditions

Distance (in feet) to the nearest surface water: _____	Ground Water (depth): _____	Water Well: _____
Is this location in a Sensitive Area? _____	Existing Location? _____	

Pit Design and Construction

Size of Pit (in feet):	Length: _____	Width: _____	Depth: _____	Calc. Volume (barrels): _____
Flow Rates (in bbl/day):	Inflow: _____	Outflow: _____	Evaporation: _____	Percolation: _____
Primary Liner. Type: _____	Thickness (mil): _____			
Secondary Liner (if present):	Type: _____	Thickness (mil): _____		
Is Pit Fenced? _____	Is Pit Netted? _____	Leak Detection? _____		
Other Information:	_____			

Operator Comments:	_____
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Certification

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

Signed: _____	Print Name: _____
Title: _____	Email: _____ Date: _____

Approval

Signed: _____	Title: _____	Date: _____
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ATTACHMENTS	
Detailed Site Plan	<input type="checkbox"/>
Design/Cross Sec	<input type="checkbox"/>
Topo Map	<input type="checkbox"/>
Calculations	<input type="checkbox"/>
Sensitive Area Info	<input type="checkbox"/>
Mud Program	<input type="checkbox"/>
Form 2A	<input type="checkbox"/>
Form 26	<input type="checkbox"/>
Water Analysis	<input type="checkbox"/>

BMP

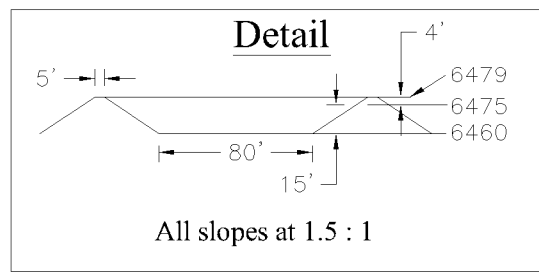
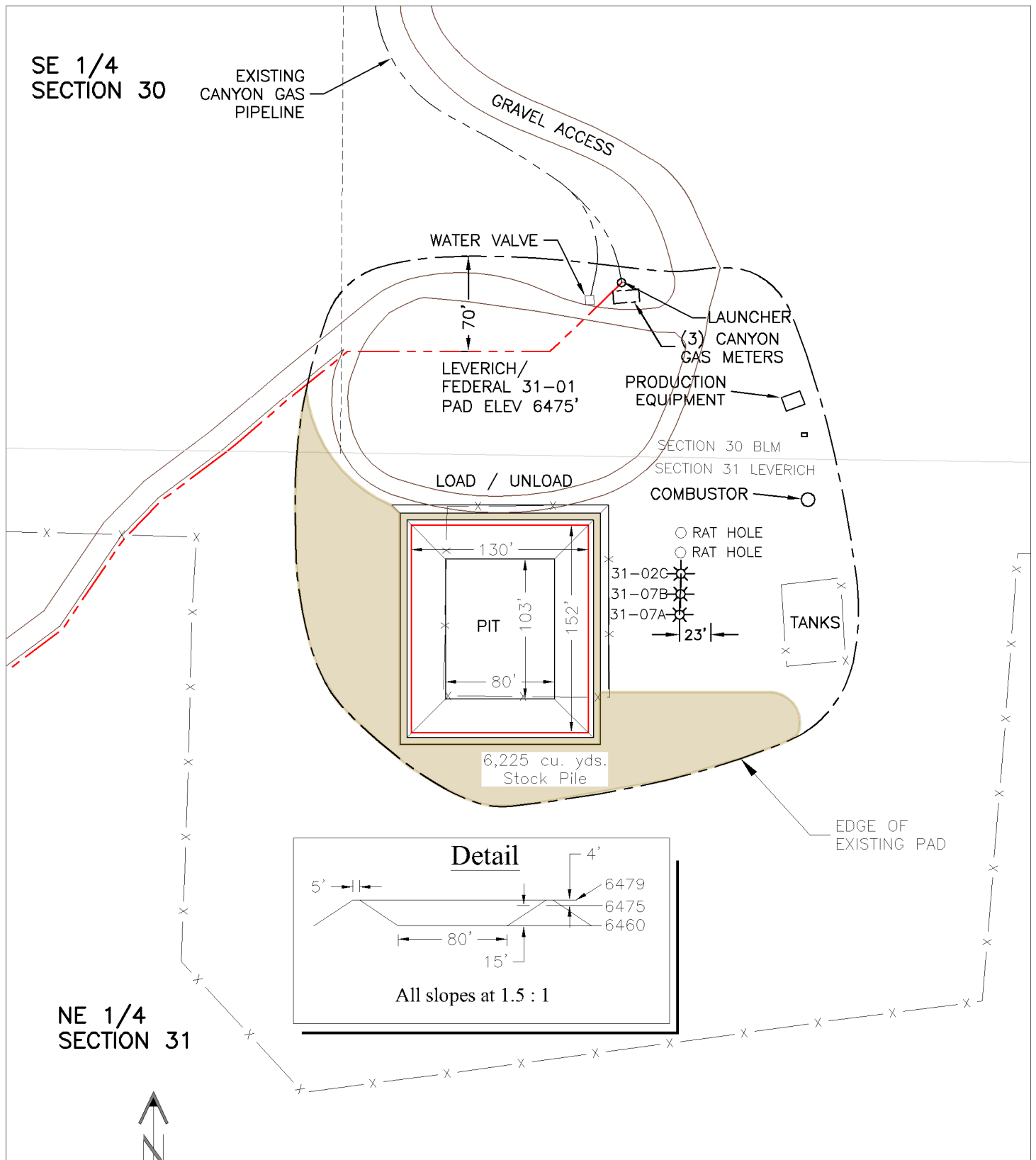
<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)

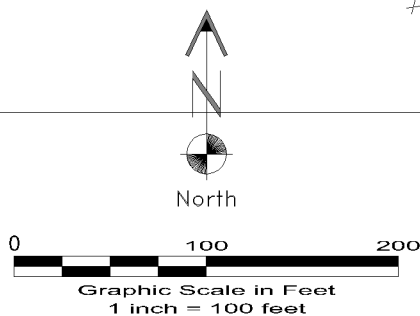
CONDITIONS OF APPROVAL:

PAD LAYOUT

Temporary Water Storage Impoundment



Sheet 1 of 3



GEO SURV

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

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

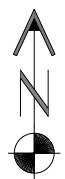
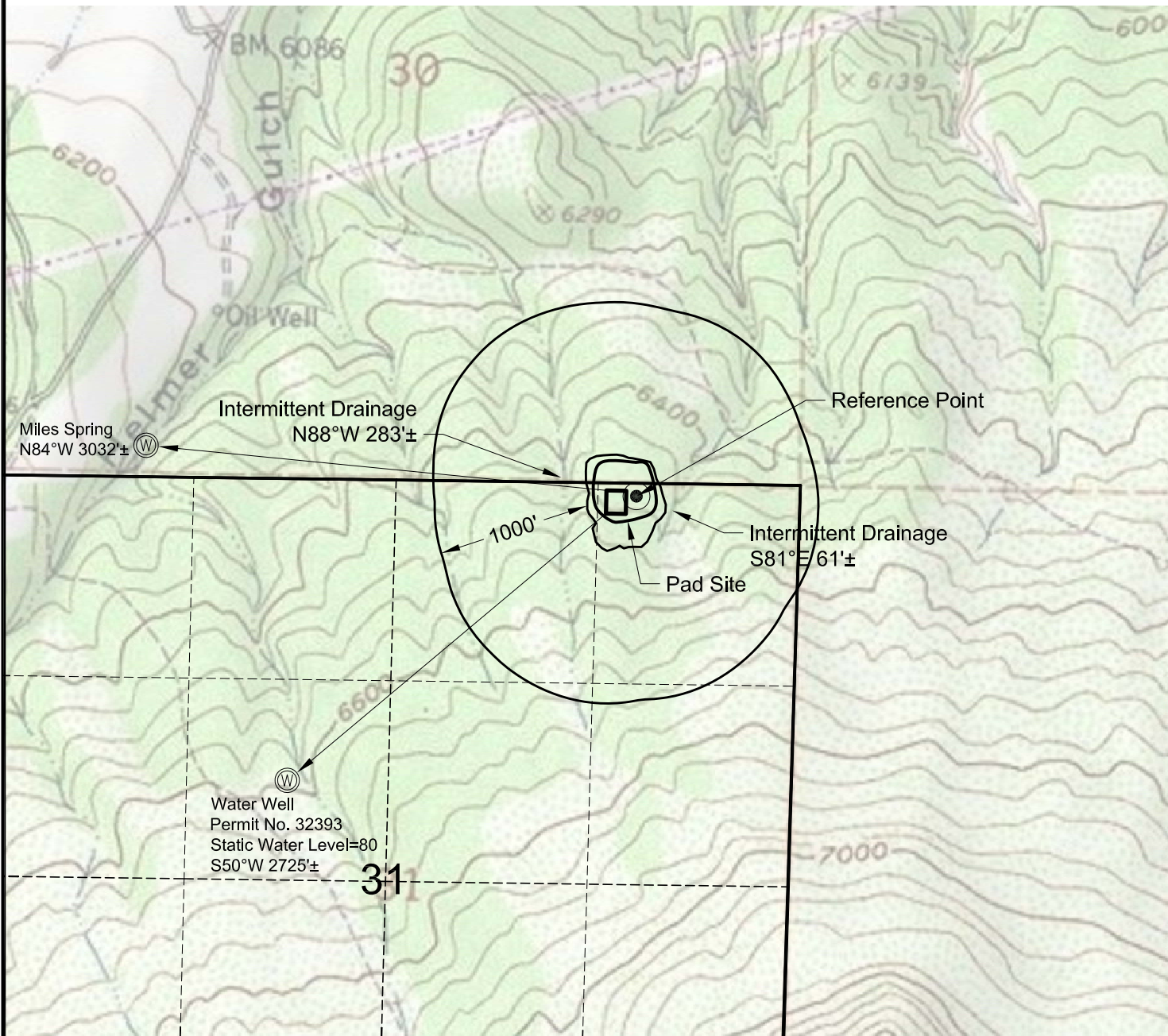
Sheet 2 of 3



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
LAFAYETTE - WINTER PARK
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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

G:\GEOSURV\Laramie II_Well Plats\Leverich Federal 31-01 F2A\Leverich Federal 31-01 Pad Photos.docx 3/24/2014 6:48:00 PM