



Kerr-McGee Oil & Gas Onshore LP

Topsoil Protection Plan

**DB Farms 40-12HZ Well Pad and
Facility
SE/4 NE/4 Section 12, 3N 67W**

Weld County, Colorado

August 2021

Table of Contents

1. INTRODUCTION	1
2. SITE DESCRIPTION	1
3. SITE INVESTIGATION	2
4. PROPOSED SEQUENCE OF MAJOR ACTIVITIES	2
5. TOPSOIL STORAGE REQUIREMENTS	3
6. STORMWATER CONTROLS/BMPS FOR TOPSOIL STOCKPILE:	3
7. INSPECTION AND MAINTENANCE PROCEDURES	4

APPENDICES

Appendix A	NRCS Survey Data and Sampling Locations
Appendix B	Photolog for Topsoil Depth
Appendix C	Soil Analysis
Appendix D	Site Plans

1. INTRODUCTION

Kerr-McGee Oil & Gas Onshore LP (KMOG) has developed this site-specific Topsoil Protection Plan to establish proper planning for reclamation of the land and protection of soil affected by oil and gas location construction and operations. All topsoil management shall be in accordance with Colorado Oil and Gas Conservation Commission (COGCC) Series 1000 Reclamation Rules 1001.a, 1002.b and 1002.c requirements.

2. SITE DESCRIPTION

Operator ! ID	Kerr-McGee Oil & Gas Onshore LP
Project ! Site Name:	DB Farms 40-12HZ
Location:	Sec 12, T3N, Range 67W, Weld County, Colorado
Total Area of Project:	14.04 acres
Description of Existing Vegetation:	Existing vegetation on the subject location is winter wheat, land use is agriculture
Soil Type(s):	1 - Altvan Loam 0-1% slopes 8 - Ascalon Loam 0-1% slopes
Operator ID:	47120
Reclamation Manager Contact:	Lynna Scranton HSE Manager Occidental Petroleum Corporation 720-929-6317

3. SITE INVESTIGATION

National Resources Conservation Service (NRCS) soil survey data has been reviewed to determine sampling intervals and locations to identify topsoil depths, texture, and fertility for development of grading plans, topsoil management, interim reclamation plans, and for final reclamation, after plugging and abandonment. Topsoil depth pit excavations and photo reports shall occur twice within each soil map unit within the disturbance area, with additional pits determined by topography, land use change or distinct visual surface changes. Composite samples are gathered within each soil map unit and for every 2 acres of disturbance area at 0 to 6 inches depth, using standard agronomic sampling procedures, and for fertility and texture analysis. Refer to Appendices A, B, C, and D for this information.

4. PROPOSED SEQUENCE OF MAJOR ACTIVITIES

- 1) **Topsoil Removal:** Depth of each soil horizon will vary with individual soil units, and determination of depth and proper removal will be monitored during construction by physical characteristics of color, density, and texture change of soil, and as determined during Site Investigation. Topsoil may not be removed during wet soil moisture conditions, as field determined considering soil texture.
- 2) **Subsoil Horizon Separation:** Lower soil horizons will be stockpiled separately from topsoil where it can be used for contouring during reclamation and preserved in order of original state. Distinctly visible soil horizons or soil types shall be stockpiled separately (i.e. gravel or shale layers). Under no circumstances shall subsoil be mixed with topsoil, nor placed on top of the removed topsoil stockpile
- 3) **Topsoil Protection:** If topsoil will be stockpiled for extended periods of time, it shall be protected from degradation due to erosion, compaction and contamination and to maintain soil microbial activity, using best management practices such as stabilizing with mulch, seeding, track walking, perimeter control or a combination of BMPs. Weeds on stockpiles shall be controlled as to prevent production of weed seed and/or enough biomass that would interfere with redistribution of soil or cause onsite debris. Signage shall be installed to identify topsoil stockpiles to facilitate subsequent reclamation and indicate to personnel that the area may not be disturbed during drilling and completion operations.
- 4) **Recontouring and Compaction Relief:** The first material to backfill will be from excavated subsoil materials, and compacted to avoid subsidence, but not restrictive to root growth of plants. The stockpiled soil horizons will be replaced in order and graded with the adjacent undisturbed land. Ripping/subsoiling will be required prior to topsoil redistribution if soil is overly compacted from vehicle or equipment traffic.
- 5) **Topsoil Redistribution:** The stockpiled topsoil will be redistributed uniformly and to minimize compaction of soil. Topsoil may not be redistributed during wet soil moisture conditions. Topsoil should be leveled with the adjacent undisturbed land, irrigable land being of importance for uniform coverage by flood irrigation water.

5. TOPSOIL STORAGE REQUIREMENTS

- 1) **Calculations:** Stored topsoil amounts to facilitate subsequent or final reclamation shall be calculated based off areas remaining for production operations and integrated as part of the interim reclamation area per Rule 1003.
- 2) **Interim Reclamation:** Placement and distribution will be determined by disturbance area boundaries, surface owner input, land use, and topography.
- 3) **Topsoil Protection:** Stored topsoil shall be protected from erosion and to maintain soil microbial activity, using a combination of best management practices, such as proper design of stockpile depth and contour, stabilizing with mulch, seeding, track walking, perimeter control, establishment of vegetation and weed control.
- 4) **Signage and Identification:** Stored topsoil locations will be documented per Rule 407. Form 45, Location Construction Report. Signage identifying topsoil shall be installed, where feasible, based on land use.

6. STORMWATER CONTROLS/BMPS FOR TOPSOIL STOCKPILE:

a) Construction Phase

- Perimeter ditch and berm to catch water and sediment from large storm/runoff events
- Track packing to prevent wind and water erosion
- Seeding and crimped straw mulch to prevent wind and water erosion.
- Establishment of vegetation to promote soil health and maintain carbon exchange.
- Weed control to hinder the spread of weeds throughout the stockpile and help native grass establishment.

b) Drilling Phase

- Perimeter ditch and berm to catch water and sediment from large storm/runoff events
- Track packing to prevent wind and water erosion
- Seeding and crimped straw mulch to prevent wind and water erosion.
- Establishment of vegetation to promote soil health and maintain carbon exchange.
- Weed control to hinder the spread of weeds throughout the stockpile and help native grass establishment.

c) Production Phase

- Establishment of vegetation to promote soil health and maintain carbon exchange.
- Weed control to hinder the spread of weeds throughout the stockpile and help native grass establishment.

Refer to Site Plans (Appendix D)

7. INSPECTION AND MAINTENANCE PROCEDURES

6.1 Inspections

Post-construction stormwater inspections will be conducted in accordance with COGCC Rules 1002.f and 1003.e, to document the status of the location, maintenance needs, effectiveness of stormwater control measures, to evaluate pollution sources, to document reclamation / final stabilization progress and necessary weed control. Inspections will be managed by the Reclamation Contact and conducted by their designated representative(s). Inspection forms will document current conditions, including evidence of or potential for off-site erosion, weed control, additional control measures that are needed, or repair and maintenance issues.

Findings, inspection records and site maps are documented electronically and available within 24 hours of any inspection.

6.2 Maintenance

For maintenance items discovered, proposed repairs or upgrades to stormwater control measures to ensure topsoil protections will be documented and coordinated with production crews. Timeline for completion of maintenance items are a priority and will depend on scope; but in all cases, shall not be completed until field conditions allow for safe access, and utility clearance has been confirmed for items requiring ground disturbance / earthwork.

APPENDIX A

NRCS Survey Data and Sampling Locations

Soil Map



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1	Altvan loam, 0 to 1 percent slopes	11.3	78.5%
8	Ascalon loam, 0 to 1 percent slopes	3.1	21.5%
Totals for Area of Interest		14.4	100.0%

(602-111) DB Farms 40-12HZ

SECTION 12, TOWNSHIP 3N, RANGE 66W, 6TH P.M. WELD COUNTY, CO



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

-  Preliminary Survey Area
-  Multi Well Pad and Production Facility
-  Soil Sample Locations

PREPARED BY:



7674 Grandview Ave., Ste. 210
Arvada, CO 80002



SOURCES:
Project Features, 2DOT 2021
and KMOG 2021. Source
Data Updated: 2/2021

PREPARED FOR:



Projection: Nad83 UTM 13N Date: 6/2/2021
Drafted By: MC Reviewed By: SJ

Topsoil/Composite
Pit Locations &
Topsoil Depths (Inches)
Figure 1

Weld County, Colorado, Southern Part

1—Altvan loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 361j

Elevation: 4,500 to 4,900 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 46 to 48 degrees F

Frost-free period: 130 to 150 days

Farmland classification: Not prime farmland

Map Unit Composition

Altvan and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Altvan

Setting

Landform: Terraces

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Old alluvium

Typical profile

H1 - 0 to 10 inches: loam

H2 - 10 to 25 inches: clay loam

H3 - 25 to 60 inches: gravelly sand

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Available water capacity: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: R067BY002CO - Loamy Plains

Hydric soil rating: No

Minor Components

Cascajo

Percent of map unit: 9 percent

Hydric soil rating: No

Aquic haplustolls

Percent of map unit: 1 percent

Landform: Swales

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 19, Jun 5, 2020

Weld County, Colorado, Southern Part

8—Ascalon loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2tlnq

Elevation: 3,870 to 6,070 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 47 to 54 degrees F

Frost-free period: 135 to 160 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Ascalon and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ascalon

Setting

Landform: Terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Wind-reworked alluvium and/or calcareous sandy eolian deposits

Typical profile

Ap - 0 to 6 inches: loam

Bt1 - 6 to 12 inches: sandy clay loam

Bt2 - 12 to 19 inches: sandy clay loam

Bk - 19 to 35 inches: fine sandy loam

C - 35 to 80 inches: fine sandy loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.60 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Salinity, maximum in profile: Nonsaline (0.1 to 1.9 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Olne1

Percent of map unit: 10 percent

Landform: Terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: Sandy Plains (R067BY024CO)

Nunn

Percent of map unit: 5 percent

Landform: Terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: Loamy Plains (R067BY002CO)

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 14, Sep 22, 2015

APPENDIX B

Photolog Topsoil Depth



Photograph 1. The topsoil depth observed was 14 inches. Measurements were taken from the layers observed above the plowed layer.



Photograph 2. The topsoil depth observed was 16 inches. Measurements were taken from the layers observed above the plowed layer.



Photograph 3. The topsoil depth observed was 13 inches. Measurements were taken from the layers observed above the plowed layer.



Photograph 4. The topsoil depth observed was 17 inches. Measurements were taken from the layers observed above the plowed layer.

APPENDIX C

Soil Analysis

Two Dot Consulting
 2200 West 29th Ave
 Denver CO 80211

Sam Joseph
 Project Number: 602-111
 Project: Oxy - DB Farms

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y105194

Client: Z-Dot

Client Project ID: DB Farms

Checklist Completed by: JG

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5/11/21

Airbill #: 1211

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1, 1.8 °C / _____ °C / _____ °C / _____ °C (Describe)

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			/	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by: Jm (Project Manager)

Date/Time Reviewed: 5-12-21



Jen Pellegrini, Project Manager

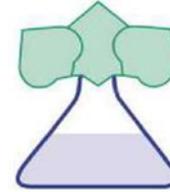
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

American Agricultural Laboratory, Inc.

700 West D Street / PO Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880

www.AmAqLab.com



95029

ORIGINS LABORATORY INC

1725 ELK PLACE

DENVER CO 80211

NAME : ORIGINS OXY DB FARMS Y105193

DATE RECEIVED: 05/12/2021

DATE REPORTED: 05/14/2021

SOIL TEST RESULTS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS				
				1 : 1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm
3333651	Y105193	01	0-8					1.5	1.3	3	22				
3333652	Y105193	02	0-8		7.0			1.2	1.2	3	27				

LAB NUMBER	SULFATE-S Ca-P ppm	NH4OAc (Exchangeable)				DTPA				BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION					
		K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm			BASE	H	Ca	Mg	K	Na
3333651		277	1440	276	7					0.8	10.2	100	0	70	23	7	0
3333652		230	1240	245	12					0.7	8.9	100	0	69	23	7	1

LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)	EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %
	Ca me/L	Mg me/L	Na me/L				SAND %	SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A	ppm	lbs/A		
3333651	1.86	0.81	0.52	0.4510			51	30	19	LOAM						
3333652	2.48	1.02	0.75	0.5710			61	20	19	SANDY LOAM						

SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD GOAL	N	P2O5	K2O	S	Zn	MgO	Fe	Mn	Cu	B	Cl	LIME REC 60% ECCE T/A
3333651	Y105193	01														
3333652	Y105193	02														

Approved By: Kevin Grooms

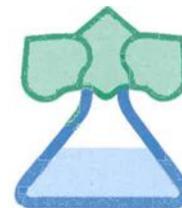
Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab

American AgriScience Inc

700 West D St. / P.O. Box 370 McCook, Nebraska 69001
Office: 308-345-3670 / FAX: 308-345-7880 / www.AmAgLab.com

Independent of you for 40+ years.



ORIGINS LABORATORY INC
1725 ELK PLACE
DENVER, CO 80211

ACCOUNT NO: 95029
DATE RECEIVED: 5/12/2021
DATE REPORTED: 5/14/2021

SATURATED PASTE EXTRACT ANALYSIS

Lab No.	Grower	Field ID	Sample ID	Depth inches	pH s.u.	Soluble Salts mmhos/cm
3333651	ORIGINS	UNIT 1 Y105193	1	0-8	7.0	0.38
3333652	ORIGINS	UNIT 8 Y105193	2	0-8	7.0	0.32

Electronically Approved by: Kevin Grooms



ORIThIS

LABORATORY, INC

Y105193

Client UXY
 Address' F'7⁴ STE Z.10
aJgAm LA) AVE A LV.4 vs, / c()

Project Manager: SAM .k)SEPTi
 Project Name- bt. VAR NS

Telephone Number: (570) a7 - ta) a5

Project Number: — Ili

Samples Collected By 5S r iv+ c

Email Address. ScX 7,1>zir - CAJSQL-nde.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				ib:: Analysis				Sample Instructions	
				Unpreserved	HCl	HNO ₃	26	Groundwater	.75	Alkalis	6	g	E				
bnt 4- 1	5/14	ltoc)	1														1
1) Kt4- i<	i)1 ⁰¹ -'	114<	1														2
																	3
																	4
																	5
																	6
																	7
																	8
																	9
																	10
Relinquished By:	Date:	Time:		eived				at:				Time:	Time:				
	Sidi ^{24t1}	iSI ⁹						Cfil /2 i				1 IS	Time:				
Refill 'shed By:	Date:	Time:		ved By:				Date:				Time:	Time:				
													Standard	HrC			

Temp Received- I 

Date Results Needed

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Sample Receipt Checklist

Origins Work Order: Y105193

Client: Z- DO+

Client Project ID: hF) rch int 5

Checklist Completed by: JG

Shipped Via: Hb

Airbill #: (UPS. Fzd1;7411and Delivered, Pick-up. etc.)

Date/time completed: cfithi

Matrix(s) Received: (Check all that apply): 4% Soil/Solid Water Other: _____
(Describe)

Cooler Number/Temperature: iliq °C ec _____ °C °C

Thermometer 1803

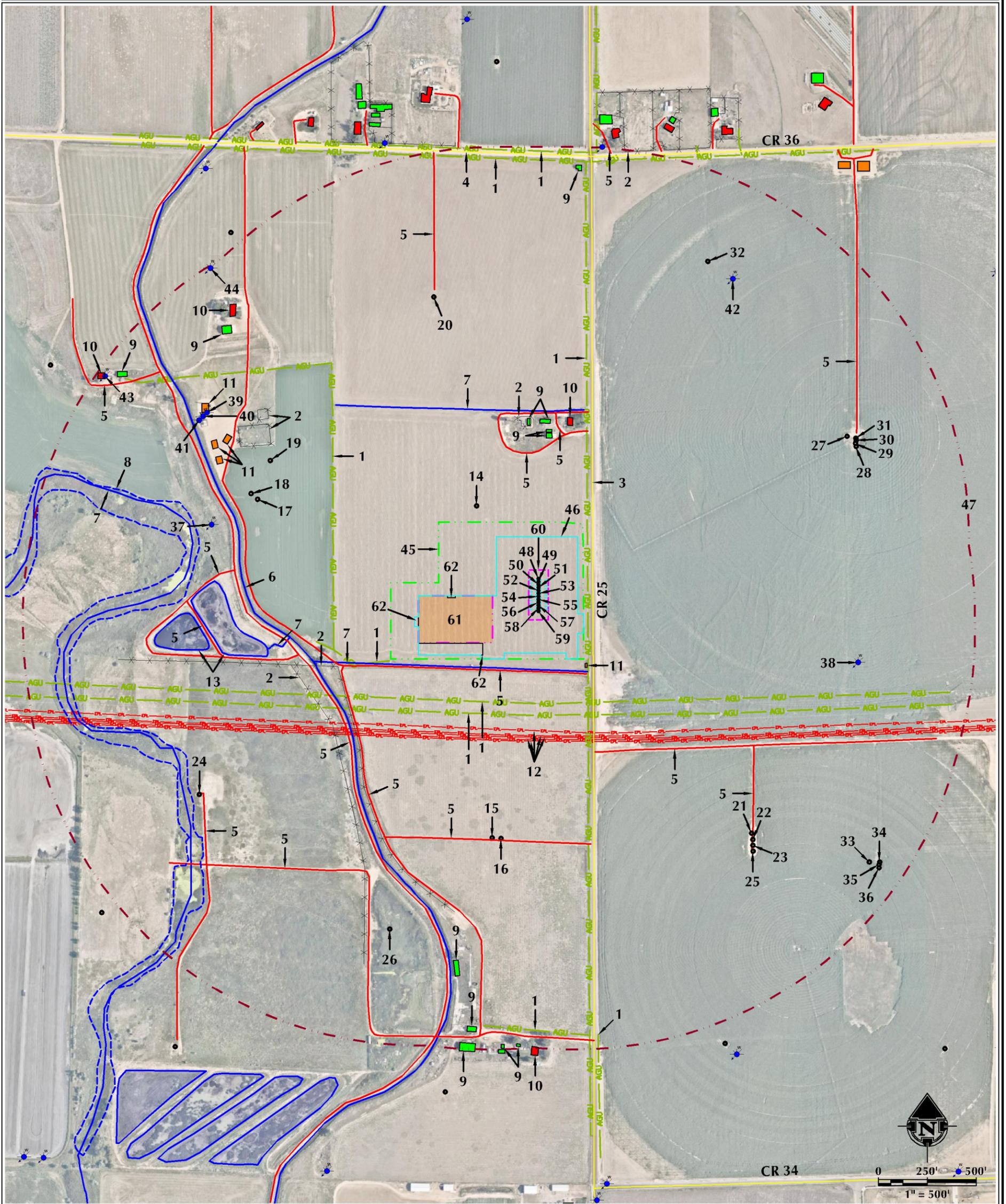
Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling. was the temperature between 0°C to < re'?	/r			
Is there ice present (document if blue ice is used)				
Are custody seals present on cooler? (if so. document in comments if they are signed and dated, broken or intact)		,-----'		
Are custody seals present on each sample container? (d so, document in comments if they are signed and dated, broken or intact)				
Were all samples received Intactm?	,,,,''..			
Was adequate sample volume provided?'				
Are short holding lime anaiytes or samples with HTs due within 48 hours presene''?		./.....		
Is a chain-of-custody (COC) present and filled out completely''?	e-''''			
Does the COC agree with the number and type of sample bottles received''?	se'			
Do the sample IDs on the bottle labels match the COC''?	---''			
Is the COC properly relinquished by the client with date and time recorded''?''			
For volatiles in water — is there headspace (> % inch bubble) present? If yes, contact client and note in narrative.				
Are samples preserved that require preservation and was it cheCked ⁽¹¹⁷⁾ (note ID of confirmation instrument used in comments)/ (preservation is net confirmed for subcontracted analyses In order to insure sample iMegntY)4PH <2 for samples preserved with HNO3, HCL. H2SO4) r (01-W for samples preserved with NeAsO2+1VaOH, ZnAc+NaOH			
Additional Comments Of anv)•				

ⁱ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as weN as the corrective action to to in the additional comm (above) and the case narrative.

APPENDIX D

Site Plans

LOCATION DRAWING
DB FARMS 40-12HZ
HORIZONTAL MULTI-WELL PAD
 SE1/4 NE1/4 SECTION 12, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.



- | | | | |
|--|--|--|---|
| <p>1. ABOVE GROUND UTILITY LINES ARE ±22' E, ±153' W, ±218' S, ±280' S, ±413' W, ±1081' S, ±1925' N, ±1930' S, AND ±1972' N.</p> <p>2. EXISTING FENCES ARE ±413' W, ±564' SW, ±567' N, ±1082' NW, ±1189' NW AND ±1991' N.</p> <p>3. COUNTY ROAD 25 IS ±36' E.</p> <p>4. COUNTY ROAD 36 IS ±1939' N.</p> <p>5. EXISTING PRIVATE ROADS ARE ±55' S, ±387' W, ±431' N, ±487' S, ±492' SW, ±525' N, ±608' W, ±926' S, ±986' W, ±1004' SE, ±1139' S, ±1306' N, ±1308' SW, ±1522' E, ±1750' NW AND ±1974' N.</p> <p>6. FARMERS INDEPENDENT DITCH IS ±475' SW.</p> <p>7. EXISTING DITCHES ARE ±44' S, ±638' W, ±644' N AND ±1180' W.</p> <p>8. EXISTING WETLAND IS ±1147' W.</p> <p>9. EXISTING BUILDINGS ARE ±507' N, ±537' N, ±573' N, ±583' N, ±1546' S, ±1650' NW, ±1866' NW, ±1877' N, ±1883' S, ±1968' S, ±1973' S AND ±1976' S.</p> <p>10. EXISTING RESIDENCE BUILDING UNITS ARE ±571' N, ±1712' NW, ±1955' NW AND ±1990' S.</p> <p>11. EXISTING FACILITIES ARE ±45' SE, ±1208' NW, ±1248' NW, ±1276' NW AND ±1426' NW.</p> | <p>12. EXISTING PIPELINES ARE ±359' S, ±387' S, ±396' S, ±407' S AND ±416' S.</p> <p>13. EXISTING PONDS ARE ±760' W AND ±1054' W.</p> <p>14. *EXISTING WELL: BOULTER 42-12 (PA) IS ±187' NW.</p> <p>15. *EXISTING WELL: OPATRIEL P 12-22D (PA) IS ±917' S.</p> <p>16. *EXISTING WELL: OPATRIEL 12-9L (PA) IS ±920' S.</p> <p>17. *EXISTING WELL: ODENBAUGH P 12-21D (PA) IS ±959' NW.</p> <p>18. *EXISTING WELL: ODENBAUGH 12-7I (PA) IS ±1063' NW.</p> <p>19. *EXISTING WELL: ODENBAUGH, PAUL GAS UNIT 1 (PA) IS ±1026' NW.</p> <p>20. *EXISTING WELL: BOULTER 41-12A IS ±1270' N.</p> <p>21. *EXISTING WELL: HSR-M J FARMS 12-7 IS ±1260' SE.</p> <p>22. *EXISTING WELL: HENRICKSON 34N-10HZ IS ±1288' SE.</p> <p>23. *EXISTING WELL: HENRICKSON 13C-10HZ IS ±1310' SE.</p> <p>24. *EXISTING WELL: OPATRIEL 12-10L (PA) IS ±1329' SW.</p> <p>25. *EXISTING WELL: HENRICKSON FEDERAL 13N-10HZ IS ±1332' SE.</p> <p>26. *EXISTING WELL: OPATRIEL UNIT 1 (PA) IS ±1410' S.</p> <p>27. *EXISTING WELL: SALAMANCA, FRANK 1 IS ±1470' E.</p> <p>28. *EXISTING WELL: P VILLE FEDERAL 22-7 (PA) IS ±1496' E.</p> <p>29. *EXISTING WELL: P VILLE FEDERAL 5-7 IS ±1498' E.</p> | <p>30. *EXISTING WELL: P VILLE 31-7 IS ±1506' E.</p> <p>31. *EXISTING WELL: P VILLE FEDERAL 21-7 IS ±1510' E.</p> <p>32. *EXISTING WELL: FREUND 17-4 (PA) IS ±1560' NE.</p> <p>33. *EXISTING WELL: CULLEN HILDENBRANDT PU 1 (PA) IS ±1818' SE.</p> <p>34. *EXISTING WELL: FREUND FEDERAL 35-7 (PA) IS ±1861' SE.</p> <p>35. *EXISTING WELL: FREUND FEDERAL 25-7 IS ±1866' SE.</p> <p>36. *EXISTING WELL: FREUND 33-7 (PA) IS ±1875' SE.</p> <p>37. *EXISTING WATER WELL (PERMIT #30965-MH) IS ±1118' W.</p> <p>38. *EXISTING WATER WELL (PERMIT #12562-R-R) IS ±1411' E.</p> <p>39. *EXISTING WATER WELL (PERMIT #206854) IS ±1433' NW.</p> <p>40. *EXISTING WATER WELL (PERMIT #206853) IS ±1435' NW.</p> <p>41. *EXISTING WATER WELL (PERMIT #206843) IS ±1438' NW.</p> <p>42. *EXISTING WATER WELL (PERMIT #33675) IS ±1542' NE.</p> <p>43. *EXISTING WATER WELL (PERMIT #28474) IS ±1957' NW.</p> <p>44. *EXISTING WATER WELL (PERMIT #48354) IS ±1987' NW.</p> <p>45. OPERATIONAL DISTURBANCE AREA</p> <p>46. WORKING PAD SURFACE</p> <p>47. 2000' WORKING PAD SURFACE BUFFER</p> | <p>48. PROPOSED WELL: DB FARMS 12-1HZ</p> <p>49. PROPOSED WELL: DB FARMS 12-2HZ</p> <p>50. PROPOSED WELL: DB FARMS 12-3HZ</p> <p>51. PROPOSED WELL: DB FARMS 12-4HZ</p> <p>52. PROPOSED WELL: DB FARMS 12-5HZ</p> <p>53. PROPOSED WELL: DB FARMS 12-6HZ</p> <p>54. PROPOSED WELL: DB FARMS 12-7HZ</p> <p>55. PROPOSED WELL: DB FARMS 12-8HZ</p> <p>56. PROPOSED WELL: DB FARMS 12-9HZ</p> <p>57. PROPOSED WELL: DB FARMS 12-10HZ</p> <p>58. PROPOSED WELL: DB FARMS 12-11HZ</p> <p>59. PROPOSED WELL: DB FARMS 12-12HZ</p> <p>60. PUMP JACK OPERATIONS AREA</p> <p>61. PROPOSED DB FARMS 40-12HZ FACILITY</p> <p>62. TEMPORARY EQUIPMENT AREA</p> |
|--|--|--|---|

<p>LEGEND</p> <ul style="list-style-type: none"> ● EXISTING WELL ● PROPOSED WELL ● WATER WELL ● PUBLIC ROAD ● PRIVATE ROAD ● EXISTING FENCE — WORKING PAD SURFACE - - - 2000' WORKING PAD SURFACE BUFFER - - - DISTURBANCE AREA — PUMP JACK AREA — DITCH/CANAL/DRAINAGE -EPL- EXISTING PIPELINE — AGU — ABOVE GROUND UTILITY LINE ■ EXISTING FACILITY ■ EXISTING BUILDINGS ■ RESIDENCE/BUILDING UNIT ■ POND 	<p>ALL MEASUREMENTS ARE MADE FROM NEAREST EDGE OF WORKING PAD SURFACE</p>
---	--

<p>609 CONSULTING, LLC LOVELAND OFFICE 6706 North Franklin Avenue Loveland, Colorado 80538 Phone: 970-776-4331</p> <p>SHERIDAN OFFICE 1095 Saberton Avenue Sheridan, Wyoming 82801 Phone: 307-674-8069</p>	<p>DATE SURVEYED: 3/16/2020 DATE: 4/19/21 DRAFTER: GLK REVISED: 5/26/21</p>	<p>DATA SOURCES & NOTES: - AERIAL COURTESY OF ESRI, INC. - WATER WELLS COURTESY OF COLORADO DIVISION OF WATER RESOURCES</p>	<p>SURFACE USE: IRRIGATED CROPLAND</p> <p>NEAREST BUILDING UNIT: ±571' N</p> <p>PREPARED FOR: Kerr-McGee Oil & Gas Onshore LP.</p>
--	--	---	--

K:\MID\2017\2017_182_DB_FARMS_TIN_B67W_SEC_12\DWG\FARMS.DWG, 5/26/2021 2:27:34 PM, shew