

COTTON DRAW
MIDSTREAM

Cotton Draw Midstream, L.L.C.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

COTTON DRAW MIDSTREAM
Operations Plan
August 18, 2021

COTTON DRAW MIDSTREAM

Cotton Draw Midstream, L.L.C.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

Section	Description
System Overview	Cotton Draw Midstream gathering system is a non-regulated, low pressure, sweet service, buried steel, gas gathering and compression system in Eddy and Lea County New Mexico delivering to three different 3 rd party markets.
Routine Operations and Maintenance	<ul style="list-style-type: none"> - Physical pipeline marking and identification <ul style="list-style-type: none"> o Physical pipeline markers and identification in place in accordance with industry practice - Pipeline Integrity <ul style="list-style-type: none"> o Routine pigging schedule. o Valve maintenance program o Annual visual inspection of gathering system o Impressed current cathodic protection for external corrosion o Fusion bonded epoxy exterior pipeline coating. - Pipeline Pigging <ul style="list-style-type: none"> o Utility pig for dewatering and removal of build up. Pigging to be performed on a monthly basis or as needed based on pressure signature on gathering lines. - Pipeline maintenance program (non-exclusive list) <ul style="list-style-type: none"> o Pipeline installation/replacement is in kind replacement steel API 5L, grade X52, PSL2, ERW, Fusion bond epoxy coated pipe. o Cathodic/anode installation installed impressed current cathodic protection system designed by, and annually inspected by, Bass Engineering o Pressure test and dewatering, hydrotest procedures and parameters in accordance with ASME B31.8 o Soil cover buried to min depth back fill with native dirt and reseeded with native grass -
Cathodic Protection, Corrosion Control and Liquids Management	<ul style="list-style-type: none"> o Cathodic protection <ul style="list-style-type: none"> o Installation on new pipelines o Annual inspection to verify voltage, current output, meter accuracy, circuit resistance, rectifier efficiency and complete any need general maintenance o Annual electrical isolation inspection o Annual interrupted pipe-to-soil potential survey o Fluid management <ul style="list-style-type: none"> o Inlet slug catchers at compressor stations for drip liquids swept or pigged to station o Tank Operations and Maintenance associated with the gathering system. <ul style="list-style-type: none"> o Tank vents routed to control devices with piping sized to adequately prevent atmospheric venting. o Tanks equipped with level transmitters, alarms, and hi level shut downs.
Procedures to Reduce Releases	<ul style="list-style-type: none"> o Weekly AVO inspection of compressor stations as well as daily operational visits.(see Operator Checklist) o LP tank flare/combustor for controlling tank emissions

COTTON DRAW MIDSTREAM

Cotton Draw Midstream, L.L.C.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

	<ul style="list-style-type: none">○ Dehydration combustor for controlling dehy emissions○ Implementing HP flares for maintenance/blowdown events in accordance with rollout of new rules.○ Verbal/text communication to upstream production foremen for real time disruption, followed up with written documentation of outage to upstream production, upstream regulatory, and CDM records keeping.
--	--

COTTON DRAW MIDSTREAM

Cotton Draw Midstream, L.L.C.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

Operator Checklist		
By Priority of Review		
CATEGORY	CHECK LIST ITEMS	*Priority for Review (When on Site)
CHEMICAL	CHEMICAL IDENTIFICATION PLACARD IN GOOD CONDITION (methanol, TEG glycol, oil day tanks)	1
CHEMICAL	Is CHEMICAL PUMP functioning (methanol & TEG glycol circulation rates / strokes per minute)	1
CHEMICAL	ARE ALL CHEMICAL TANKS AND DRUMS IN SECONDARY CONTAINMENT	1
CHEMICAL	Verify secondary containment has netting	1
CHEMICAL	ARE THERE ANY VISIBLE LEAKS ON CHEMICAL PUMP, TANK, OR PIPING	1
DEHY COMBUSTOR/ LP FLARE	IS COMBUSTOR LP FLARE FUNCTIONING PROPERLY and in AUTO mode, if applicable	1
DEHY COMBUSTOR/ LP FLARE	IS COMBUSTOR LP FLARE KNOCKOUT POT FUNCTIONING PROPERLY and liquid drained	1
DEHY COMBUSTOR/ LP FLARE	IS PILOT LIT AND FUNCTIONING PROPERLY	1
DEHY COMBUSTOR/ LP FLARE	IS COMBUSTOR COMMUNICATING IN SCADA	1
DEHY COMBUSTOR/ LP FLARE	Blower functioning properly / confirmation of smokeless operation	1
COMPRESSION	IS COMPRESSOR FUNCTIONING PROPERLY (SUCTION, DISC, RPM, etc.)	1

COTTON DRAW MIDSTREAM

Cotton Draw Midstream, L.L.C.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

COMPRESSION	CHECK SCRUBBER LEVELS FOR PROPER OPERATION (DRY DUMPING, STUCK CLOSED DUMP VALVE, PLUGGED DUMP, ETC)	1
COMPRESSION	IS SUMP PUMP IN OPERATION AND FUNCTIONING PROPERLY	1
COMPRESSION	ARE THERE ANY VISIBLE LEAKS ON OR AROUND UNIT	1
COMPRESSION	CAN YOU HEAR OR SEE ANY ISSUES WITH VIBRATION	1
COMPRESSION	Compressor Down Time Sheet (Enter run data into eVin)	1
COMPRESSION	ARE THERE ANY LOOSE MOUNTS OR SUPPORTS ON THE UNIT(S)	1
CONTAINMENT	INSPECT SECONDARY CONTAINMENT FOR DEFICIENCIES (Wear, Holes, Etc)	1
FACILITY	ARE THERE ANY VISIBLE LEAKS THROUGHOUT FACILITY	1
FACILITY	ARE THERE ANY STAINS OR STANDING FLUID DUE TO SPILL/LEAK	1
FACILITY	ARE ALL OPENINGS PLUGGED OR BLINDED OFF	1
FACILITY	ARE ALL RAIN CAPS ON PRV'S (RELIEF VALVES)	1
FACILITY	GAUGE ALL NECESSARY TANKS (confirmation of level transmitter accuracy)	1
FACILITY	GAS: RECORD DATA FROM Necessary METERS - SALES, FUEL cumulative volume if not checked daily	1
FACILITY	GHG: RECORD DRY DUMP EVENTS in eVin	1
FACILITY	RECORD SEALS in eVin (Effectively Seal appropriate valves)	1

COTTON DRAW MIDSTREAM

Cotton Draw Midstream, L.L.C.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

MAINTENANCE FLARE	IS FLARE FUNCTIONING PROPERLY	1
MAINTENANCE FLARE	IS FLARE KNOCKOUT POT FUNCTIONING PROPERLY and liquid drained	1
MAINTENANCE FLARE	IS PILOT LIT AND FUNCTIONING PROPERLY	1
STATION	are fencing and GATE FUNCTIONING PROPERLY	1
STATION	DOES CATTLE GUARD NEED REPAIR OR CLEAN OUT	1
STATION	IS LOCATION IN NEED OF REPAIR OR MAINTENANCE (ex: Weed Control)	1
STATION	ARE ALL LOCATION SIGNS IN PLACE AT ENTRANCE	1
STATION	IS LEASE ROAD IN NEED OF REPAIR OR MAINTENANCE	1
STATION	ARE THERE ANY FITTINGS, EQUIPMENT, PIPE, ETC. STACKED ON LOCATION	1
RECORDS	Schedule truck hauling if needed	1
RECORDS	Submit Notifications for maintenance if needed	1
GATHERING LINES	ANNUAL INSPECTION OF CATHODIC PROTECTION SYSTEM	1
GATHERING LINES	Regular scheduled pigging program	1
GATHERING LINES	Pig run sampling and checking for sign for bacteria and corrosion	1
TANKS	ARE ALL LOADS LINES LOCKED AND/OR SEALED	1
TANKS	ARE ALL LOAD LINES CAPPED	1
TANKS	CHECK CONTAINMENT LEVEL AND CALL FOR TRUCK LOADOUT IF NECESSARY	1

COTTON DRAW MIDSTREAM

Cotton Draw Midstream, L.L.C.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

TANKS	ARE ALL TANK HATCHES SHUT AND LATCHED and appear to be operating correctly	1
TANKS	Observe tanks for emissions. ARE VENT VALVES OR HATCHES RELEASING TANK VAPORS?	1
TANKS	IS ALL TANK SIGNAGE IN PLACE AND LEGIBLE	1
TANKS	ARE WIND SOCKS IN PLACE, UNDAMAGED, AND OPERATIONAL	1
DEHYDRATION	CHECK WATER CONTENT OF GAS TO ENSURE IN SPEC (VIA MOITURE ANALYZER OR DREGGAR TUBE)	1
DEHYDRATION	TEG REBOILER OPERATING PROPERLY (PILOT, BURNER, TEG LEVEL, HOLDING TEMPERATURE SETPOINT, ETC)	1
DEHYDRATION	CHECK FLASH TANK LEVEL	1
DEHYDRATION	CHECK FILTER DIFFERENTIAL PRESSURES (COALESCER, CHARCOAL, SOCK)	1
VESSELS	Are vessels maintaining proper levels (look @ site glasses) (FUEL SCRUBBER, SLUG CATCHER, COALESCER, KNOCKOUT DRUMS FOR COMBUSTORS AND FLARE)	1

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 43653

QUESTIONS

Operator: Cotton Draw Midstream, L.L.C 333 W. Sheridan Avenue Oklahoma City, OK 73102	OGRID: 329657
	Action Number: 43653
	Action Type: [NGGS] NGGS Operations Plan (NGGS-OP)

QUESTIONS

Verification	
Does the operator own the selected facility	Yes
Is the selected facility a natural gas gathering system	Yes

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 43653

ACKNOWLEDGMENTS

Operator: Cotton Draw Midstream, L.L.C 333 W. Sheridan Avenue Oklahoma City, OK 73102	OGRID: 329657
	Action Number: 43653
	Action Type: [NGGS] NGGS Operations Plan (NGGS-OP)

ACKNOWLEDGMENTS

☒ I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Gathering System Operations Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.