FORM 4
Rev 04/13

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

DE	ET	OE	ES

Submit By Other Operator

Document Number: 401318857

Date Received: 08/15/2017

SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 10322 Contact Name Greg Francis

Name of Operator: EAST CHEYENNE GAS STORAGE LLC Phone: (303) 931-3435

Address: 10370 RICHMOND AVE SUITE 510 Fax: ( )

City: HOUSTON State: TX Zip: 77042 Email: gfrancis@mehllc.com

Complete the Attachment Checklist

	OP	OGCC
Survey Plat		
Directional Survey		
Srfc Eqpmt Diagram		
Technical Info Page		
Other		

API Number : 05- 075 08449 00 OGCC Facility ID Number: 220327

Well/Facility Name: LEWIS CREEK - ROPER Well/Facility Number: 1

Location QtrQtr: NESW Section: 13 Township: 11N Range: 53W Meridian: 6

County: LOGAN Field Name: LEWIS CREEK

Federal, Indian or State Lease Number:

CHANGE OF LOCATION OR AS BUILT GPS REPORT

☐ Change of Location * ☐ As-Built GPS Location Report ☒ As-Built GPS Location Report with Survey

* Well location change requires new plat. A substantive surface location change may require new Form 2A.

SURFACE LOCATION GPS DATA

Data must be provided for Change of Surface Location and As Built Reports.

Latitude 40.926280 PDOP Reading 4.0 Date of Measurement 08/10/2010

Longitude -103.242240 GPS Instrument Operator's Name Darren Veal

LOCATION CHANGE **(all measurements in Feet)**

Well will be: VERTICAL (Vertical, Directional, Horizontal)

		FNL/FSL		FEL/FWL	
Change of **Surface** Footage **From** Exterior Section Lines:		2275	FSL	1539	FWL
Change of **Surface** Footage **To** Exterior Section Lines:					

Current **Surface** Location **From**	QtrQtr	NESW	Sec	13	Twp	11N	Range	53W	Meridian 6
New **Surface** Location **To**	QtrQtr		Sec		Twp		Range		Meridian

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:							
Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:							**

Current **Top of Productive Zone** Location **From**	Sec		Twp		Range		
New **Top of Productive Zone** Location **To**	Sec		Twp		Range		
Change of **Bottomhole** Footage **From** Exterior Section Lines:							
Change of **Bottomhole** Footage **To** Exterior Section Lines:							**

Current **Bottomhole** Location	Sec		Twp		Range		** attach deviated drilling plan
New **Bottomhole** Location	Sec		Twp		Range		

Is location in High Density Area?

Distance, in feet, to nearest building , public road: , above ground utility: , railroad: ,

property line: , lease line: , well in same formation:

Ground Elevation feet Surface owner consultation date

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

Objective Formation	Formation Code	Spacing Order Number	Unit Acreage	Unit Configuration
D SAND	DSND			

OTHER CHANGES

☐ **REMOVE FROM SURFACE BOND** **Signed surface use agreement is a required attachment**

☒ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name LEWIS CREEK - ROPER Number 1 Effective Date: 09/15/2017

To: Name LC Number M005

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL:Abandon Application for Permit-to-Drill (Form2) – Well API Number _____ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number _____ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number _____ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: _____

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☒ **DIGITAL WELL LOG UPLOAD**

☒ **DOCUMENTS SUBMITTED** Purpose of Submission: Update well status, Proposed work plan & FERC autorization

RECLAMATION

INTERIM RECLAMATION

☐ Interim Reclamation will commence approximately _____

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.
Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

Field inspection will be conducted to document Rule 1003.e. compliance

FINAL RECLAMATION

☐ Final Reclamation will commence approximately _____

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

Field inspection will be conducted to document Rule 1004.c. compliance

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned _____ Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT _____

☐ SPUD DATE: _____

TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☒ NOTICE OF INTENT Approximate Start Date 09/15/2017

☐ REPORT OF WORK DONE Date Work Completed _____

☐ Intent to Recomplete (Form 2 also required) ☐ Request to Vent or Flare ☐ E&P Waste Mangement Plan

☐ Change Drilling Plan ☐ Repair Well ☐ Beneficial Reuse of E&P Waste

☐ Gross Interval Change ☐ Rule 502 variance requested. Must provide detailed info regarding request.

☒ Other Re-enter ☐ Status Update/Change of Remediation Plans for Spills and Releases

COMMENTS:

East Cheyenne Gas Storage, LLC plans on re-entering the dry & abandoned Roper No 1 well to complete as a gas storage monitor well in the Dakota D Formation. The well lies within the FERC authorized gas storage area of West Peetz & Lewis Creek fields located in Logan County, Colorado. The proposed detailed work plan is submitted as an attachment.

CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top
First String	7	7		8	6	5		8	20	0	1320	159	1320	0
Second String	7	7		8	4	1		2	10.5	0	5300	315	5300	3000
Stage Cement 2nd String 1	7	7		8	4	1		2	10.5	0	5300	325	3000	0

H2S REPORTING

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: _____ in ppm (parts per million) Date of Measurement or Sample Collection _____

Description of Sample Point:

Absolute Open Flow Potential _____ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: _____

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: _____

COMMENTS:

Best Management Practices

No	BMP/COA Type	Description
1	General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite or suitable facilities. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick-up trash, scrap debris, other discarded materials, and any contaminated soil. A commercial size trash bin for removing debris will be located on site. This bin will be for use by all parties affiliated with the operation. The well site will be fenced after drilling to restrict public and wildlife access. All reseeding shall be done with grasses consistent with the Rocky Mountain native mix or other grasses reasonably requested by the surface owner and during planting period suggested by the landowner. All surface restoration shall be accomplished and completed to the reasonable satisfaction of the surface owner, as soon as practical after installation (weather permitting), and in accordance with regulatory agencies' standards.
2	Storm Water/Erosion Control	Storm water management plans (SWMP) are in place to address construction, drilling and operations associated with oil & gas development in accordance with Colorado Department of Public Health and Environment. Storm water and erosion control will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the specific drill pad location, and will remain in place until the pad reaches final reclamation. Site will be inspected every fourteen (14) days during construction activities, every thirty (30) days after construction is completed, and after any major weather event. Apply biodegradable mulch, netting or soil stabilizers if required to stabilize surface material.
3	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address possible spill associated with oil & gas operations in accordance with Colorado CFR 112. Properly label, secure, handle and store hazardous materials. If spills occur, prompt cleanup would be done to minimize any commingling of waste materials with storm water runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. ECGS, LLC will ensure that any material that might be deemed a fire hazard will remain no less than twenty-five (25) feet from the wellhead(s), tanks and separator (s).A pumper will visit the location daily to visually monitor the production facilities for leaks.

4	Noise mitigation	General construction noise mitigation measures that will be required of the contractor is to require all equipment is in good working order, adequately muffled and maintained in accordance with the manufactures' recommendations. Noise levels will be one of the factors considered during equipment and contractor selection. Semi-permanent stationary (generators, lights, etc) equipment may be available in "quiet" mode packages. To the extent possible, ECGS, LLC will use such equipment and also station such equipment as far from sensitive areas as possible. Erection of temporary barriers may also be employed utilizing materials such as intermodal containers or frac tanks, plywood walls, mass-loaded vinyl and hay bales.
5	Drilling/Completion Operations	Authorized representatives or East Cheyenne personnel shall be on-site during drilling and completion operations. Construction: Avoid disturbing soil and vegetation, when possible. Remove only the minimum amount of vegetation necessary for the construction of roads and facilities, leaving as much vegetation (grasses) in ditches, on road shoulder areas and on cut or fill slopes. Conserve top soil during excavation and reuse as cover on disturbed areas to facilitate re-growth of vegetation. No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment. Snow and frozen soil material will not be used in construction of fill areas, dikes, or berms. Upon initial rig-up, BOPEs will be tested at a minimum of every 30 days. Blowout prevention equipment will include a double ram and an annular preventer. The drilling company will have a valid blowout prevention certification. Adequate BOPE will be used for well servicing operations. Lighting will be provided during drilling and completion operations to ensure worker safety and compliance with all regulations. To the extent practicable, site lighting shall be directed downward and inward and shielded so as to avoid glare on public roads and building units within one thousand (1000) feet. Spray location to control noxious weeds annually. Inspect facilities for erosion and install erosion controls where required. Utilize existing roads as much as possible and build new roads to minimize land disturbance area. Fill drill site pits within 120 days after completion of well and subject to pit fluid levels, pit moisture, and weather. Hydrocarbon storage tanks are to be surrounded by impermeable berms to prevent spills from escaping off-site. Open top tanks and unattended pits that may contain hydrocarbons will be fenced and coved with nets to protect fowl and animals.

Total: 5 comment(s)

Operator Comments:

The Roper No 1 well was completed on March 31, 1974. No production was established & the well was abandoned. East Cheyenne Gas Storage, LLC plans on re-entering the Roper No 1 well to complete as a gas storage monitor well in the Dakota D Formation. The well will be renamed the LC-M005 for gas storage operations. The well lies within the FERC authorized gas storage area of West Peetz & Lewis Creek fields located in Logan County, Colorado (FERC Docket No. CP16-25-000, p12)

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

Signed: _____ Print Name: Greg Francis

Title: Project Geologist Email: gfrancis@mehllc.com Date: 8/15/2017

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: SUTPHIN, DIRK Date: 10/17/2017

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description
	Bradenhead tests shall be performed and reported according to the following schedule and Form 17 submitted within 10 days of each test. Complete Bradenhead Test (8.625"x6.625") and Intermediate Casing Test (6.625"x4.5") sections of the form. 1) Within 60 days of rig release. 2) 6 months after rig release.
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU (notice of spud). 2) Cement 6.625" casing to surface. Verify coverage with cement bond log. 3) Cement 4.5" casing to a minimum of 200' above D-Sand. Verify coverage with cement bond log.

General Comments

User Group	Comment	Comment Date
Engineer	Engineering/Environmental: Unchecked Change Drilling Plan, checked Other and typed Re-enter. Casing/Cementing: Surface casing was installed when drilled in 1974 (8.625" to 120'). Renamed proposed casing strings to 1st, 2nd, and Stage cement 2nd string. Increased the depth of 1st string from 1220' to 1320' due to WW depths. Increased quantity of cement sacks proportionally.	10/17/2017
Permit	Operator has submitted Form 10 Change of Operator (Doc# 401384388) for this well. Operator plans to convert this well from DA to a monitor well.	08/23/2017
Permit	Status Active: - deleted incorrect wellbore diagram and attached revised diagram provided by operator. - deleted topo map. - unchecked "repair well" box, and checked "change drilling plans" box instead of "other". Permitting review complete.	08/23/2017
Permit	Status PENDING: - Contacted Operator to submit Form 10 Change of Operator; no form 10 has been received, and scout card currently lists operator as Rex Monahan. - Attached (current) wellbore diagram incorrectly lists date of abandonment as 3/31/1954; should be 1974. - Engineering tab box "Repair well" should be unchecked, and box "Other" should be checked. Description should state "Convert to Monitor Well". - Delete "Topo Map" attachment; not necessary, and already in the well file.	08/23/2017
Permit	Returned to draft per Operator request.	06/26/2017

Total: 5 comment(s)

Attachment Check List

Att Doc Num	Name
2473129	WELLBORE DIAGRAM
401318857	SUNDRY NOTICE APPROVED-GPS-OBJ-NAME-OTHER-CSG-LOG-DOC
401332021	CORRESPONDENCE
401360040	INDUCTION
401360087	WELLBORE DIAGRAM
401360146	LOCATION DRAWING
401360149	WELL LOCATION PLAT
401360153	LOCATION PICTURES
401376345	OPERATIONS SUMMARY
401433120	FORM 4 SUBMITTED

Total Attach: 10 Files