

County: Seward Fraction: NW NE NE NE Sec. 26 T. 33 S. R. 32 W

CORRECTION(S) to WATER WELL COMPLETION RECORD Form WWC-5 (to rectify lacking or incorrect information)

Owner: Merit Energy Company (was Anadarko Petroleum)

ID: Air Sparge

If location corrected, was listed as:

Location changed to:

Section-Township-Range: 23-33S-32 W

26-33S-32W

Fraction (1/4 calls): NW SE SE

NW NE NE NE

Other changes: Initial statements: No latitude and longitude given.

Changed to: Latitude: 37.15518 Longitude: -100.76159 (Datum WGS 84 assumed)

Comments: _____

Verification method: Latitude and longitude given on "Attachment 1," KGS' online LEOWEB conversion tool, and KGS' online WWC-5 mapping tool and aerial photos.

Initials: DR Date: 6/11/2019

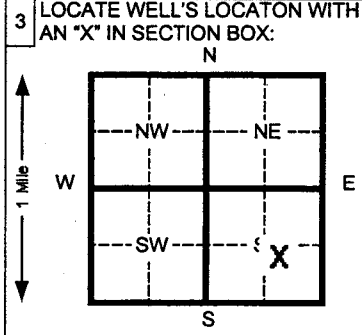
Submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3724

Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

| | | | | |
|--|-----------------------------------|-----------------------------|----------------------------------|-------------------------------|
| 1 LOCATION OF WATER WELL: County: Seward | Fraction NW ¼ SE ¼ SE ¼ | Section Number 23 | Township Number T 33 S | Range Number R 32 W |
|--|-----------------------------------|-----------------------------|----------------------------------|-------------------------------|

Distance and direction from nearest town or city street address of well if located within city?
13 miles NE of Liberal on US Hwy 54, 0.25-mile north of the Cimarron River

| | | |
|---|--|--|
| 2 WATER WELL OWNER: RR#, St. Address, Box # : City, State, ZIP Code : | Anadarko Petroleum Corporation PO Box 1330 Houston, TX 77251-1330 | Board of Agriculture, Division of Water Resources Application Number: # |
|---|--|--|



| | |
|---|--|
| 4 DEPTH OF COMPLETED WELL Depth(s) Groundwater Encountered 1 23 ft. 2 _____ ft. 3 _____ ft. | ELEVATION: _____ ft. WELL'S STATIC WATER LEVEL _____ ft. below land surface measured on mo/day/yr |
| Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm | |
| Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm | |
| Bore Hole Diameter 8.5 in. to 28 ft. and _____ in. to _____ ft. | |
| WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well | |
| 1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) | |
| 2 Irrigation 4 Industrial 7 Lawn and garden (domestic) 10 Monitoring well SVE | |
| Was a chemical/bacteriological sample submitted to Department? Yes _____ No X If yes, mo/day/yr sample was submitted _____ | |
| Water Well Disinfected? Yes _____ No X | |

| | | |
|--|---|---|
| 5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 2 PVC 4 ABS | 5 Wrought Iron 8 Concrete tile 6 Asbestos-Cement 9 Other (specify below) | CASING JOINTS: Glued _____ Clamped _____ Welded _____ Threaded Flush |
| Blank casing diameter 2 in. to 23 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft. | | |
| Casing height above land surface 30 in., weight 0.703 lbs./ft. Wall thickness or gauge No. Sch. 40 | | |
| TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____ 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole) _____ | | |
| SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 10 Other (specify) _____ | | |
| SCREEN-PERFORATED INTERVALS: From 23 ft. to 28 ft. From _____ ft. to _____ ft. | | |
| GRAVEL PACK INTERVALS: From 20 ft. to 28 ft. From _____ ft. to _____ ft. | | |

| | |
|---|--|
| 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____ | Grout Intervals From 0.5 ft. to 20 ft. From _____ ft. to _____ ft. |
| What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/ Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) _____ 13 Insecticide storage | |
| Direction from well? _____ How many feet? _____ | |

| FROM | TO | CODE | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|------|------|----------------|------|----|--------------------|
| 0 | 2.5 | | Sand | | | |
| 2.5 | 6 | | Silty Sand | | | |
| 6 | 8 | | Sandy clay | | | |
| 8 | 13.5 | | Sand | | | |
| 13.5 | 15 | | Silty Sand | | | |
| 15 | 16.5 | | Sand | | | |
| 16.5 | 19 | | Clayey sand | | | |
| 19 | 20.5 | | Silty sand | | | |
| 20.5 | 28 | | Clayey sand | | | |

| | |
|---|--|
| 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed , (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/yr) 4-26-04 | and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 531 This Water Well Record was completed on (mo/day/yr) 5-11-04 |
| under the business name of Geotechnical Services, Inc. | by (signature) <i>[Signature]</i> |

INSTRUCTIONS: Please fill in blanks and circle the correct answers. Send three copies to Kansas Department of Health and Environment, Bureau of Water, 1000 S W Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.



October 25, 2016

Andrea Schiller
Remediation Section/Voluntary Cleanup Unit
Bureau of Environmental Remediation
Kansas Dept. of Health and Environment
1000 SW Jackson St., Suite 410
Topeka, KS 66612-1367

Re: East Meter Station VCPRP Agreement No. 00-VCP-0026

On August 23, 2016, Anadarko E&P Onshore LLC and its affiliates (collectively, "Anadarko") entered into a purchase and sale agreement with Merit Hugoton II, LLC, an affiliate of Merit Energy Company ("Merit"). Pursuant to that agreement, Merit has agreed to acquire all of Anadarko's interest in certain upstream and midstream assets in southwest Kansas, northwest Oklahoma and southeast Colorado. Consequently, Anadarko is requesting Kansas Department of Health and Environment to terminate our Voluntary Cleanup and Property Redevelopment Program (VCPRP) agreement for this site; VCPRP Agreement Number 00-VCP-0026.

In connection with the acquisition, Merit has agreed to assume responsibility for Anadarko's obligations with respect to the East Meter Station Site located in Seward County, Kansas, regardless of whether such obligations arose prior to or after the acquisition of the assets by Merit. This acquisition includes the assumption of responsibility by Merit for the existing remediation system and associated infrastructure, such as piping, remediation wells, and monitoring wells. A complete list of the East Meter Station Site monitoring and remediation wells is included as Attachment 1 for reference.

Please be advised that Anadarko further requests the refund of any regulatory oversight deposit that remains once this transfer is complete. The sale to Merit, and the assumption of such obligations by Merit, is expected to occur on October 31, 2016. Merit's contact information is as follows:

Merit Hugoton II, LLC
13727 Noel Road, Suite 1200
Tower 2
Dallas, Texas 75240
Facsimile: (972) 960-1252
Attn: Mark Savoy

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OCT 26 2016
BUREAU OF WATER

If you have any questions or comments you can contact me at (832) 636-2879.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Feegle". The signature is fluid and cursive, with the first name "Greg" written in a larger, more prominent script than the last name "Feegle".

Greg Feegle, P.E.

Anadarko Petroleum Corp

cc: Mark Savoy, Merit Energy
Pam Chaffee, Kansas Department of Health and Environment

Attachment 1: East Meter Station Well List

Attachment 1.

East Meter Station Well List

Inventory of Wells Originally Installed by Anadarko Petroleum in support of VCPRP Agreement No. 00-VCP-0026

| Well ID | Well Type | Installation Date | GPS Location | | County | Ownership Status, Effective Oct. 31, 2016 |
|--------------------|-----------------------------|-------------------|--------------------------|--------------------------|--------|--|
| | | | Latitude (degrees north) | Longitude (degrees west) | | |
| GMW-1 | Monitoring | 1/26/2006 | 37.15556 | -100.76173 | Seward | Merit Energy |
| GMW-2 | Monitoring | 1/26/2006 | 37.15557 | -100.76141 | Seward | Merit Energy |
| GMW-3 | Monitoring | 1/26/2006 | 37.15530 | -100.76176 | Seward | Merit Energy |
| GMW-4 | Monitoring | 4/26/2004 | 37.15522 | -100.76158 | Seward | Merit Energy |
| GMW-5 ¹ | Monitoring | 1/27/2006 | 37.15491 | -100.76139 | Seward | Anadarko, Reassignment to FCGP site ¹ |
| GMW-6 ¹ | Monitoring | 1/26/2006 | 37.15502 | -100.76083 | Seward | Anadarko, Reassignment to FCGP site ¹ |
| GMW-7 ¹ | Monitoring | 5/19/2008 | 37.15503 | -100.76181 | Seward | Anadarko, Reassignment to FCGP site ¹ |
| GMW-8 ¹ | Monitoring | 5/19/2008 | 37.15482 | -100.76116 | Seward | Anadarko, Reassignment to FCGP site ¹ |
| GMW-9 ¹ | Monitoring | 6/16/2009 | 37.15441 | -100.76102 | Seward | Anadarko, Reassignment to FCGP site ¹ |
| GMW-10 | Monitoring | 6/16/2009 | 37.15571 | -100.76177 | Seward | Merit Energy |
| MW-9 | Monitoring | 8/22/2001 | 37.15544 | -100.76148 | Seward | Merit Energy |
| MP-1 | Monitoring, Pilot Test Well | 4/26/2004 | 37.15514 | -100.76161 | Seward | Merit Energy |
| MP-2 | Monitoring, Pilot Test Well | 4/26/2004 | 37.15514 | -100.76154 | Seward | Merit Energy |
| MP-3 | Monitoring, Pilot Test Well | 4/26/2004 | 37.15514 | -100.76167 | Seward | Merit Energy |
| MP-4 | Monitoring, Pilot Test Well | 4/26/2004 | 37.15518 | -100.76176 | Seward | Merit Energy |
| SVE-1 | Soil Vapor Extraction | 1/24/2006 | 37.15554 | -100.76153 | Seward | Merit Energy |
| SVE-2 | Soil Vapor Extraction | 1/24/2006 | 37.15543 | -100.76145 | Seward | Merit Energy |
| SVE-3 | Soil Vapor Extraction | 1/24/2006 | 37.15543 | -100.76162 | Seward | Merit Energy |
| SVE-4 | Soil Vapor Extraction | 1/24/2006 | 37.15535 | -100.76152 | Seward | Merit Energy |
| SVE-5 | Soil Vapor Extraction | 1/23/2006 | 37.15519 | -100.76164 | Seward | Merit Energy |
| SVE-6 | Soil Vapor Extraction | 1/25/2006 | 37.15520 | -100.76144 | Seward | Merit Energy |
| SVE-7 | Soil Vapor Extraction | 1/25/2006 | 37.15526 | -100.76127 | Seward | Merit Energy |
| SVE-8 | Soil Vapor Extraction | 1/24/2006 | 37.15536 | -100.76127 | Seward | Merit Energy |
| Air Sparge Well | Air Sparge, Pilot Test Well | 4/26/2004 | 37.15518 | -100.76159 | Seward | Merit Energy |

Notes:

¹GMW-5 through GMW-9 will be transferred to Anadarko Petroleum Corporation's Former Cimarron Gas Plant (FCGP); Voluntary Cleanup and Property Redevelopment Program Agreement No. 11-VCP-0010.

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OCT 26 2016

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