

**WATER WELL RECORD Form WWC-5**

Division of Water Resources App. No.  

Well ID RW 12R

Original Record  Correction  Change in Well Use

**1 LOCATION OF WATER WELL:**  
 County: **Butler**      Fraction: **SW ¼ SE ¼ SE ¼ SW ¼**      Section Number: **32**      Township Number: **T 25 S**      Range Number: **R 3**  E  W

**2 WELL OWNER:** Last Name: **El Paso Merchant Energy-Petroleum Co.**      First:   
 Business: **El Paso Merchant Energy-Petroleum Co.**      Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here:   
 Address: **2 N. Nevada Ave**      **15508 Northwest Parallel Road, Benton, KS 67017**  
 Address:   
 City: **Colorado Springs**      State: **CO**      ZIP: **80903**

**3 LOCATE WELL WITH "X" IN SECTION BOX:**  
 N  

NW	NE
W	E
SW	SE
S	

 X  
 -----1 mile-----

**4 DEPTH OF COMPLETED WELL:** ..... **21.5** ..... ft.  
 Depth(s) Groundwater Encountered: 1) **5.22** ft.  
 2) ..... ft. 3) ..... ft., or 4)  Dry Well  
 WELL'S STATIC WATER LEVEL: ..... **3.90** ..... ft.  
 below land surface, measured on (mo-day-yr) **10/22/2015**  
 above land surface, measured on (mo-day-yr) .....  
 Pump test data: Well water was ..... ft.  
 after ..... hours pumping ..... gpm  
 Well water was ..... ft.  
 after ..... hours pumping ..... gpm  
 Estimated Yield: ..... **0** ..... gpm  
 Bore Hole Diameter: ..... **10** ..... in. to **21.5** ft. and  
 ..... in. to ..... ft.

**5 Latitude:** ..... **37.8253** ..... (decimal degrees)  
**Longitude:** ..... **97.126067** ..... (decimal degrees)  
 Datum:  WGS 84  NAD 83  NAD 27  
 Source for Latitude/Longitude:  
 GPS (unit make/model: .....)  
 (WAAS enabled?  Yes  No)  
 Land Survey  Topographic Map  
 Online Mapper: .....

**6 Elevation:** **1308** ..... ft.  Ground Level  TOC  
 Source:  Land Survey  GPS  Topographic Map  
 Other **KOLAR** .....

**7 WELL WATER TO BE USED AS:**

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Feedlot <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID ..... 6. <input type="checkbox"/> Dewatering: how many wells? ..... 7. <input type="checkbox"/> Aquifer Recharge: well ID ..... 8. <input type="checkbox"/> Monitoring: well ID ..... 9. Environmental Remediation: well ID <b>RW 12R</b> <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input checked="" type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease ..... 11. Test Hole: well ID ..... <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12. Geothermal: how many bores? ..... a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water 13. <input type="checkbox"/> Other (specify): .....
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Was a chemical/bacteriological sample submitted to KDHE?  Yes  No      If yes, date sample was submitted: .....  
 Water well disinfected?  Yes  No

**8 TYPE OF CASING USED:**  Steel  PVC  Other .....      CASING JOINTS:  Glued  Clamped  Welded  Threaded  
 Casing diameter ..... **6** ..... in. to ..... **8.5** ..... ft., Diameter ..... **6** ..... in. to ..... **19.3** ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface ..... **0** ..... in.      Weight ..... lbs./ft.      Wall thickness or gauge No. **SCH40**  
**TYPE OF SCREEN OR PERFORATION MATERIAL:**  
 Steel  Stainless Steel  Fiberglass  PVC  Other (Specify) .....  
 Brass  Galvanized Steel  Concrete tile  None used (open hole)  
**SCREEN OR PERFORATION OPENINGS ARE:**  
 Continuous Slot  Mill Slot  Gauze Wrapped  Torch Cut  Drilled Holes  Other (Specify) .....  
 Louvered Shutter  Key Punched  Wire Wrapped  Saw Cut  None (Open Hole)  
**SCREEN-PERFORATED INTERVALS:** From **8.5** ..... ft. to **13.5** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From **12.5** ..... ft. to **13.5** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

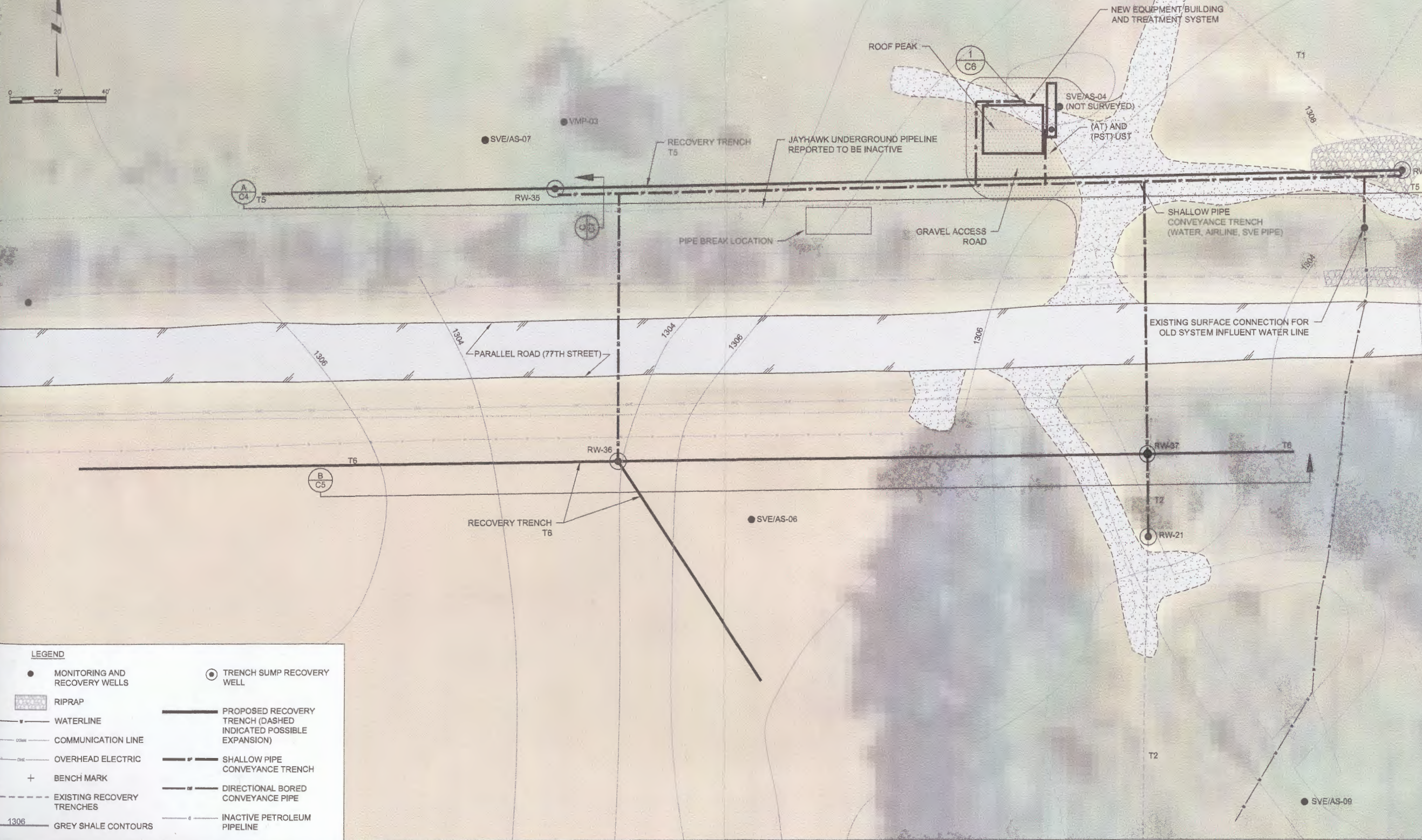
**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....  
 Grout Intervals: From **14.5** ..... ft. to **21.5** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**Nearest source of possible contamination:**  
 Septic Tank  Lateral Lines  Pit Privy  Livestock Pens  Insecticide Storage  
 Sewer Lines  Cess Pool  Sewage Lagoon  Fuel Storage  Abandoned Water Well  
 Watertight Sewer Lines  Seepage Pit  Feedyard  Fertilizer Storage  Oil Well/Gas Well  
 Other (Specify) .....  
 Direction from well? .....      Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	12.5	Conductor Casing			
12.5	21.5	Shale			

**Notes:**  
 Flush mount completion in below ground vault approved by KDHE - Pamels Chafee, 12-07-15

**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) **10/7/2015** ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **551** ..... This Water Well Record was completed on (mo-day-year) **10/21/2015** ..... under the business name of **Associated Environmental Industries Corp.** .....





**LEGEND**

- MONITORING AND RECOVERY WELLS
- TRENCH SUMP RECOVERY WELL
- ▨ RIPRAP
- WATERLINE
- COMMUNICATION LINE
- OVERHEAD ELECTRIC
- + BENCH MARK
- - - EXISTING RECOVERY TRENCHES
- 1306 GREY SHALE CONTOURS
- - - PROPOSED RECOVERY TRENCH (DASHED INDICATED POSSIBLE EXPANSION)
- SHALLOW PIPE CONVEYANCE TRENCH
- DIRECTIONAL BORED CONVEYANCE PIPE
- INACTIVE PETROLEUM PIPELINE

**DISCLAIMER:**  
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES AND KNOWLEDGE.

**DRAWING REFERENCE(S):**  
COORDINATE SYSTEM: NORTHERN GEODETIC VERTICAL DATUM 1988.

DESIGNED BY: C. OBERBROECKLING 11/04/13  
DRAWN BY: J. CHAVEZ 02/12/14

PROJECT LOCATION: BENTON, KANSAS  
PROJECT:

