

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

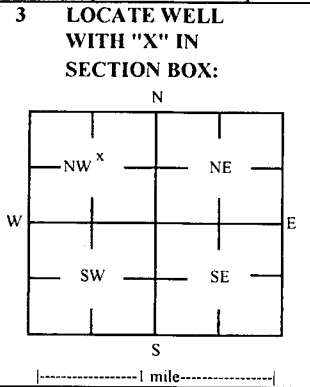
Well ID

MW20

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Neosho Fraction NW 1/4 SW 1/4 NE 1/4 NW 1/4 Section Number 21 Township Number T 27 S Range Number R 18 E W

2 WELL OWNER: Last Name: Business: KDHE (Crescent Oil) Address: 1000 SW Jackson City Topeka State: KS ZIP: 66612 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 421 E Pine, Chanute, KS



4 DEPTH OF COMPLETED WELL: 21.5 ft Depth(s) Groundwater Encountered: 1) ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 6.50 ft below land surface, measured on (mo-day-yr) 7/26/22

5 Latitude: 37.68698 (decimal degrees) Longitude: 95.44704 (decimal degrees) Horizontal Datum: X WGS 84 Source for Latitude/Longitude: GPS (unit make/model) Land Survey Topographic Map Online Mapper

6 Elevation 918.08 ft Ground Level TOC Source: X Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1 Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 Monitoring: well ID MW20 9 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 10 Oil Field Water Supply: lease 11 Test Hole: well ID Cased Uncased Geotechnical 12 Geothermal: How many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No Water well disinfected? Yes No If yes, date sample was submitted:

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 10.5 ft. Diameter in. to ft. Diameter in. to ft. Casing height above land surface -0.32 in. Weight lbs./ft. Well thickness or gauge No 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 10.5 ft. to 21.5 ft. GRAVEL PACK INTERVALS: From 8.5 ft. to 21.5 ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 8.5 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? S Distance from well? ~130 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show soil layers: Topsoil (0-1 ft), Clay (1-18 ft), Sand (18-20 ft), Sandstone (20-21.5 ft).

Notes: KDHE ID: Crescent Oil Co., Inc.; A3-067-40138 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.

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) 3/30/22 and this record is true to the best of my knowledge and belief. License No 757 This Water Well Record was completed on (mo-day-year) 8/10/22 under the business name of Larsen & Associates, Inc. Signature

NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.

21-27-18E

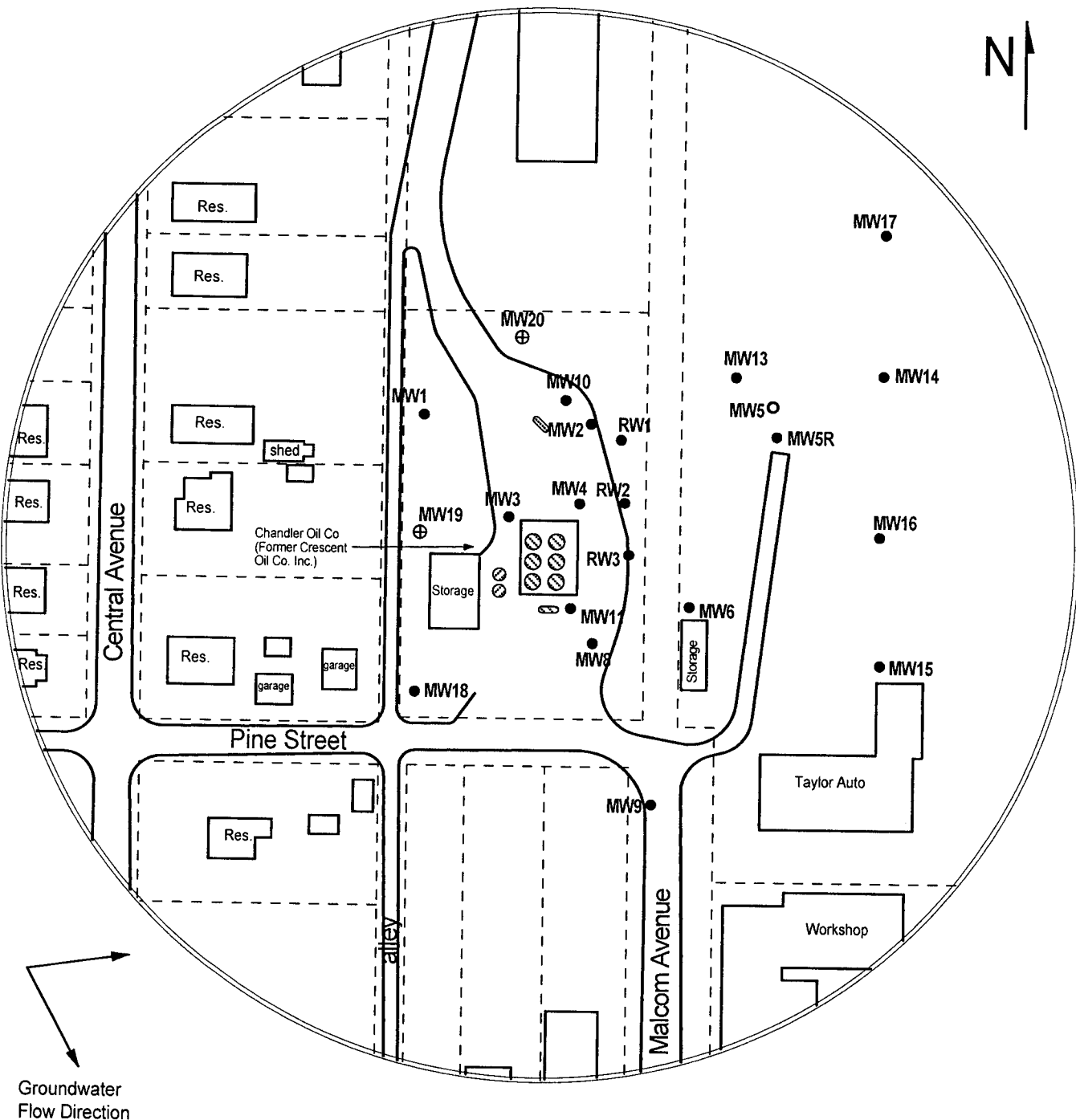


FIGURE 1 - SITE BASE MAP



**PROJECT:**  
 Crescent Oil Co., Inc.  
 421 E. Pine  
 Chanute, KS  
 KDHE ID: A3-067-40138  
 Date: 3/30/22

**LEGEND:**

- Approximate Location of Active AST and Dispenser
- Approximate Location of Active Pump Island
- Approximate Location of Former AST
- Approximate Location of Property Line
- Monitoring Well
- Plugged Monitoring Well
- New Monitoring Well (Installed 3/30/22)

1311 E 25th St., Suite B (785) 841-8707 office  
 Lawrence, KS 66046 (785) 865-4282 fax



NOTE: Location of product lines is unknown  
 MW2 is not within the scope of work and is possibly destroyed

**DENNIS L HANDKE**

21-27-18E

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home

Jess Chapman  
Larson & Assoc.  
1311 E. 25<sup>th</sup> St., Suite B  
Lawrence, Kansas, 66046

August 4, 2022

RE: Monitor Well Elevation Survey  
421 E. Pine, Chanute, Kansas

Proj. 22-00QQ  
Crescent Oil Co., Inc.  
A3-067-40138

Bench Mark: Chisled Square on SE corner of concrete floor of South entrance to building on property.

Elev: 920.65      North 4165.54      West 3637.66      (from SE Cor. Sec. 21-27-18E)

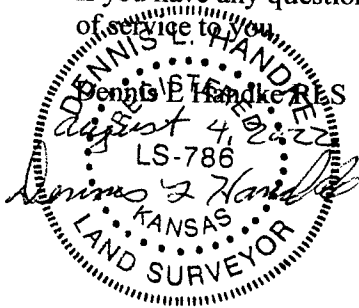
|       |          |        |       |         |                               |
|-------|----------|--------|-------|---------|-------------------------------|
| MW-19 | rim      | 920.66 | North | 4224.28 | SW1/4,SW1/4,NE1/NW1/4         |
|       | top pipe | 920.42 | West  | 3841.11 | Lat= 37.68660 Long = 95.44733 |
| MW-20 | rim      | 918.40 | North | 4360.85 | NW1/4,SW1/4,NE1/4,NW1/4       |
|       | top pipe | 918.08 | West  | 3757.80 | Lat= 37.68698 Long = 95.44704 |

Lat & Long derived from Chanute 7.5' quad map. WGS 84.

Elevation established from NGS BM H 246, NAVD 88.

If you have any questions, please feel free to call me. Thank you for the opportunity to be

of service to you



RECEIVED

AUG 2 2022

BUREAU OF WATER