

**WATER WELL RECORD**

**Form WWC-5**

Division of Water  
Resources App. No.  

Well ID

**MW2R**

Original Record     Correction     Change in Well Ust

**1 LOCATION OF WATER WELL:** County Cloud Fraction NE ¼ NW ¼ SW ¼ NE ¼ Section Number 33 Township Number T 5 S Range Number R 3 E  W

**2 WELL OWNER:** Last Name:   First:   Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 104 Lincoln St, Concordia, KS If at owner's address, check here:   
Business: KDHE (Landes Oil Co. (Former))  
Address: 1000 SW Jackson  
Address:    
City: Topeka State: KS ZIP: 66612

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

N

NW	NE
SW	SE

S

W E

-----1 mile-----

**4 DEPTH OF COMPLETED WELL:** 19 ft  
Depth(s) Groundwater Encountered: 1)   ft  
2)   ft 3)   ft, or 4)  Dry Well  
WELL'S STATIC WATER LEVEL:   ft.  
 below land surface, measured on (mo-day-yr)    
 above land surface, measured on (mo-day-yr)    
Pump test data: Well water was   ft after   hours pumping   gpm  
Water well was   ft after   hours pumping   gpm  
Estimated Yield:   gpm  
Bore Hole Diameter: 7.25 in to   ft, and   in to   ft

**5 Latitude:** 39.57714 (decimal degrees)  
**Longitude:** 97.65780 (decimal degrees)  
Horizontal Datum:  WGS 84  NAD 83  NAD 27  
Source for Latitude/Longitude:  GPS (unit make/model:  )  
 Online Mapper  
 Land Survey  Topographic Map  
 Other

**6 Elevation:** 1354.22 ft  Ground Level  TOC  
Source:  Land Survey  GPS  Topographic Map  
 Other

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

<p>1 Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn &amp; Garden <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Feedlot <input type="checkbox"/> Industrial</p> <p>2 <input type="checkbox"/> Public Water Supply: well ID <u> </u></p> <p>3 <input type="checkbox"/> Dewatering: how many wells? <u> </u></p> <p>4 <input type="checkbox"/> Aquifer Recharge: well ID <u> </u></p> <p>5 <input checked="" type="checkbox"/> Monitoring: well ID <u>MWIR</u></p> <p>6 Environmental Remediation: well ID <u> </u></p> <p>7 <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extractor <input type="checkbox"/> Recovery <input type="checkbox"/> Injection</p>	<p>8 <input type="checkbox"/> Oil Field Water Supply: lease <u> </u></p> <p>9 Test Hole: well ID <u> </u></p> <p>10 <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical</p> <p>11 Geothermal: How many bores? <u> </u></p> <p>a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical</p> <p>b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water</p> <p>12 <input type="checkbox"/> Other (specify): <u> </u></p>
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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 2 in. to 9 ft, Diameter   in. to   ft, Diameter   in. to   ft,  
Casing height above land surface -0.35 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 9 ft. to 19 ft, From   ft. to   ft, From   ft. to   ft,  
GRAVEL PACK INTERVALS: From 7 ft. to 19 ft, From   ft. to   ft, From   ft. to   ft,

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other Concrete: 0-0.5'  
Grout intervals: From 0.5 ft. to 7 ft, From   ft. to   ft, From   ft. to   ft,

**Nearest source of possible contamination:**

<input type="checkbox"/> Septic Tank	<input type="checkbox"/> Lateral Lines	<input type="checkbox"/> Pit Privy	<input type="checkbox"/> Livestock Pens	<input type="checkbox"/> Insecticide Storage
<input type="checkbox"/> Sewer Lines	<input type="checkbox"/> Cess Pool	<input type="checkbox"/> Sewage Lagoon	<input checked="" type="checkbox"/> Fuel Storage	<input type="checkbox"/> Abandoned Water Well
<input type="checkbox"/> Watertight Sewer Lines	<input type="checkbox"/> Seepage Pit	<input type="checkbox"/> Feedyard	<input type="checkbox"/> Fertilizer Storage	<input type="checkbox"/> Oil Well / Gas Well

Other (Specify)    
Direction from well? S Distance from well? -5 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Gravel/topsoil			
0.5	6	Gravel/rock fill			
6	10	Silty clay			
10	19	Sand			

Notes: KDHE ID: Landes Oil Co. (Former); U5-015-14814  
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) 8/8/22 and this record is true to the best of my knowledge and belief - Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 9/14/22 under the business name of Larsen & Associates, Inc. Signature

**DENNIS L HANDKE**

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

T5 R3W Sec.33  
KSA 82a-1212  
Cloud

Jess Chapman  
Larsen & Associates  
1311 E. 25<sup>th</sup> Street, Suite B  
Lawrence, Kansas, 66046

September 10, 2022

RE: Monitor Well Elevation Survey  
104 Lincoln, Concordia, Kansas

Proj. 22-00TT  
Landes Oil Co. (Former)  
U5-015-14814

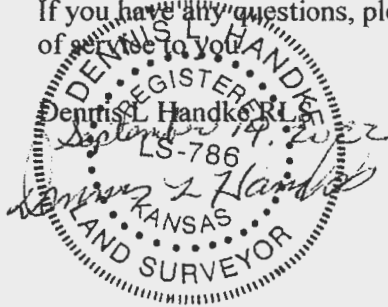
Bench Mark: Chiseld Sq. on North center of concrete storm sewer inlet South side of 1st. Street.  
Elev: 1354.67      North 3730.97      West 2237.21      (from SE Cor. Sec. 33-5-3W)

MW-1R rim	1354.45	North	3900.90	NE1/4,NW1/4,SW1/4,NE1/4
top pipe	1354.15	West	2248.97	Lat = 39.57724 Long = 97.65782
MW-2R rim	1354.57	North	3863.36	NE1/4,NW1/4,SW1/4,NE1/4
top pipe	1354.22	West	2243.01	Lat = 39.57714 Long = 97.65780

Lat & Long derived from Concordia 7.5 quad map. WGS84

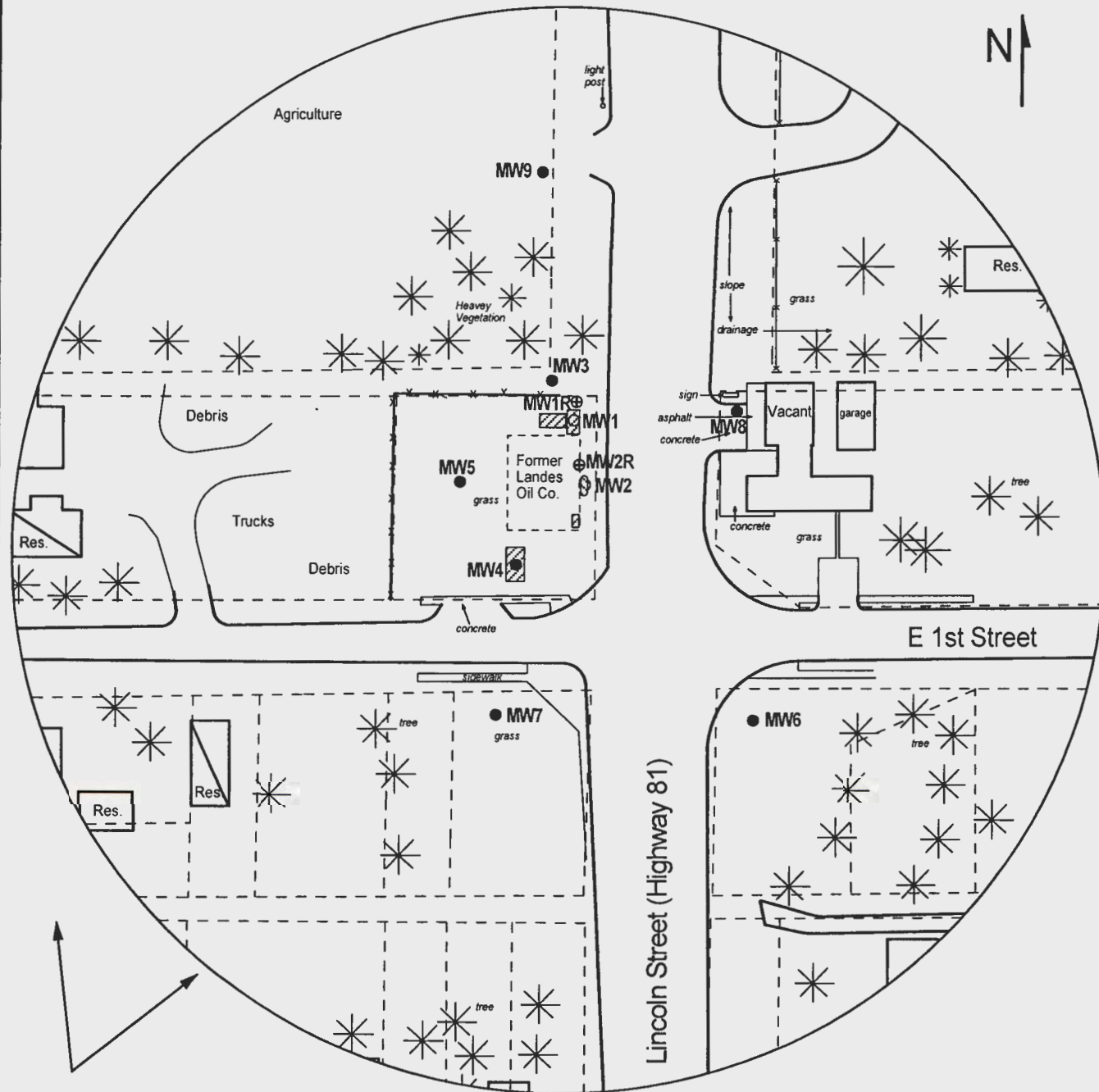
Elevation established from existing project. NAVD 88

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



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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.



Estimated Groundwater Flow Direction

FIGURE 1 - 350 FT RADIUS AREA BASE MAP



**PROJECT:**  
Landes Oil Co. (Former)  
104 Lincoln St.  
Concordia, KS  
KDHE ID: U5-015-14814  
Date: 8/8/22

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



**LEGEND:**

- Approximate Location of Contaminated Area
- Approximate Location of Former Pump Island
- Building with Basement
- Monitoring Well
- Plugged Monitoring Well
- New Monitoring Well

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NOTE: Approximate location of UST basin and product lines is unknown.