

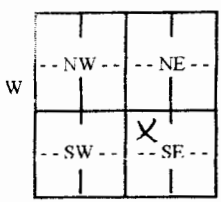
WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

PMW-3

1 LOCATION OF WATER WELL: County: Crawford	Fraction SE ¼ NW ¼ ¼ ¼	Section Number 29	Township No. T 30 S	Range Number R 25 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input checked="" type="checkbox"/> 305 South Joplin Street, Pittsburg, KS 66762		Global Positioning System (GPS) information: Latitude: 37.4056 (in decimal degrees) Longitude: 94.7000 (in decimal degrees) Elevation: Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: Garmin 12) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input checked="" type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m		
2 WATER WELL OWNER: Red Giant Oil Company RR#, Street Address, Box #: 305 South Joplin Street City, State, ZIP Code : Pittsburg, KS 66762				

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N  S -----1 mile-----	4 DEPTH OF COMPLETED WELL 20.0' Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 12.54' ft. below land surface measured on mo/day/yr. 1/16/14 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 6.50 in. to 20.0' ft., and..... in. to..... ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted..... Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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5 TYPE OF CASING USED: Steel PVC Other

CASING JOINTS: Glued Clamped Welded Threaded
Casing diameter 2.0" in. to 8.0' ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft.
Casing height above land surface Flush in., Weight..... lbs./ft., Wall thickness or gauge No. Sch. 40

TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify)
 Brass Galvanized Steel None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify)

SCREEN-PERFORATED INTERVALS: From 8.0' ft. to 20.0' ft., From..... ft. to..... ft.
From..... ft. to..... ft., From..... ft. to..... ft.

GRAVEL PACK INTERVALS: From 6.0' ft. to 20.0' ft., From..... ft. to..... ft.
From..... ft. to..... ft., From..... ft. to..... ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete

Grout Intervals: From 0 ft. to 1.0 ft., From 1.0 ft. to 6.0 ft., From..... ft. to..... ft.

What is the nearest source of possible contamination:
 Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well

Direction from well Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		See Boring Log			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 1/16/2014 and this record is true to the best of my knowledge and belief.
Kansas Water Well Contractor's License No. 606 This Water Well Record was completed on (mo/day/year) 3/13/2014
under the business name of PSA Environmental by (signature)

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

WELL LOG NO. PMW-3

PROJECT: Red Giant Oil VC Company

CLIENT: Red Giant Oil Co Searle Petroleum Co

SITE: 305 South Joplin Street
Pittsburg, Kansas

GRAPHIC LOG	LOCATION see Exhibit 2	INSTALLATION DETAILS	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	FIELD VAPOR TEST (ppm)	SOIL SAMPLE SENT TO LABORATORY
		Well Completion:						
	DEPTH	MATERIAL DESCRIPTION						
0.0	SILTY CLAY , gravel (crushed limestone) at surface, red brown					97	<1	-
8.0	SILTY CLAY , red/brown, trace sand					100	<1	-
16.0	SILTY CLAY , dark brown, saturated at 18' bgs			▽		100	<1	-
20.0	Boring Terminated at 20 Feet					100	<1	-

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Hollow Stem Auger

Abandonment Method:
Hydrated Bentonite

Notes:

WATER LEVEL OBSERVATIONS

▽ 12.54'



Well Started: 1/16/2014 Well Completed: 1/16/2014

Drill Rig: GEOPROBE Driller:

Project No.: 02127042 Exhibit: PMW-3

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 02127042.GPJ TERRACON2012.GDT 2/25/14