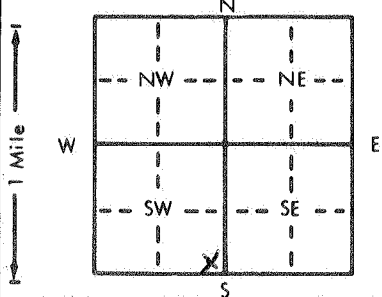


1 LOCATION OF WATER WELL: County: LEARY Fraction: SE 1/4 SE 1/4 SW 1/4 Section Number: 17 Township Number: T 12 S Range Number: R 5 EW

Distance and direction from nearest town or city street address of well if located within city?  
~ 3 miles W. of J.C. KS

2 WATER WELL OWNER: INTERSTATE HIGHWAY CONSTRUCTION  
 RR#, St. Address, Box #: P.O. Box 1429 Board of Agriculture, Division of Water Resource  
 City, State, ZIP Code: JC KS 66441 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 280 ft. ELEVATION:  
 Depth(s) Groundwater Encountered 1. 104' ft. 2. . . . . ft. 3. . . . . ft.  
 WELL'S STATIC WATER LEVEL 104' ft. below land surface measured on mo/day/yr  
 Pump test data: Well water was 200 ft. after 2 hours pumping 20 gpm  
 Est. Yield 20 gpm: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm  
 Bore Hole Diameter: 10 in. to 280 ft., and . . . . . in. to . . . . . ft.  
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well  
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)  
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well  
 Was a chemical/bacteriological sample submitted to Department? Yes . . . . . No ; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes  No

5 TYPE OF CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued . . . . . Clamped . . . . .  
 2 PVC 4 ABS 7 Fiberglass 9 Other (specify below) Welded . . . . .  
 Blank casing diameter 8 in. to 190' ft., Dia. . . . . in. to . . . . . ft., Dia. . . . . in. to . . . . . ft.  
 Casing height above land surface 24 in., weight 340 lbs./ft. Wall thickness or gauge No. . . . .

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) . . . . .  
 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 1 Continuous slot  3 Mill slot 6 Wire wrapped 9 Drilled holes  
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) . . . . .

SCREEN-PERFORATED INTERVALS: From 190 ft. to 280 ft., From . . . . . ft. to . . . . . ft.  
 From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.  
 GRAVEL PACK INTERVALS: From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.  
 From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout  3 Bentonite 4 Other . . . . .  
 Grout Intervals: From 0 ft. to 63 ft., From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.  
 What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well  
 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well  
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below) SAND PLANT  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
		<u>SEE ATTACHED</u>			

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/year) 9/30/89 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 1027 This Water Well Record was completed on (mo/day/yr) 1/15/90 under the business name of Layne Western Co Inc by (signature) Bruce Meier

11100000068-90



TEST HOLE REPORT

Layne-Western Company, Inc.

RECEIVED

JAN 29 1990

Contract Name J.H.L. Interstate Court  
Job No. 960451 Date 8-29, 8-30  
City Truckee City State Nev

DIVISION OF ENVIRONMENT  
No. \_\_\_\_\_

Driller J. Van Helt

Test Hole Location \_\_\_\_\_  
Distance and Direction from Permanent Landmark or Previous Test Hole Prng 1 of 4

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	FORMATION
0	1.0		04	Dark br. very sandy clay, very stiff
1.0	7.5		07	Muddy br. fine to very fine sand, loose
7.5	9.0			Dark br. very sandy clay, stiff
9.0	11.0		04	Br. very sandy clay, stiff
11.0	16.5		08	Muddy br. med to fine sand, to coarse, loose
16.5	22.0			Muddy br. med sand to clay + fine sand, very stiff
22.0	28.7		04	Br. very sandy clay, stiff
28.7	29.5		20	Brownish gray ls.
29.5	32.0		04	Greenish br. sandy clay, very stiff
32.0	39.0			Br. sandstone (med to coarse) Sandstone with thin ls layers Also slight to of light gray shale, med hard
39.0	46.0			Gray sandstone, (med to coarse) Slight to of light gray shale, med hard
46.0	58.0		23	Br. + to gray sandstone (med to coarse) Sandstone with thin layers of gray ls + light gray shale med hard

NOTES: Size of Pit \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ DEEP



TEST HOLE REPORT

Layne-Western Company, Inc. JAN 29 1990

RECEIVED

Contract Name FHC Interstate East
Job No. 960451 Date 8-30, 8-31
City Junction City State Kan

DIVISION OF ENVIRONMENT
No.

Driller J. Van Hall

Test Hole Location
Distance and Direction from Permanent Landmark or Previous Test Hole Page 2 of 4

TEST LOG

Table with columns: FROM, TO, MARSH FUNNEL VISCOSITY SECONDS, MUD PIT LOSS INCHES, Static Water Level, Hours After Completion, FORMATION. Contains handwritten data for various depth intervals and geological descriptions.

NOTES: Size of Pit X DEEP



TEST HOLE REPORT

JAN 29 1990

Layne-Western Company, Inc.

DIVISION OF ENVIRONMENT

Contract Name: Little Fingerprint Coast
Job No.: 960451
Date: 8-31
City: Sikeston City
State: Mo

TEST HOLE No. \_\_\_\_\_

Driller: J. V. Holt

Test Hole Location: \_\_\_\_\_
Distance and Direction from Permanent Landmark or Previous Test Hole: Page 3 of 4

TEST LOG

Table with columns: FROM, TO, MARSH FUNNEL VISCOSITY SECONDS, MUD PIT LOSS INCHES, Static Water Level Measured, Hours After Completion, FORMATION. Rows contain handwritten data for various depth intervals and soil descriptions.

NOTES: Size of Pit \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ DEEP

TEST BORING LOG

Project I.H.C. Fuelstate West Boring No. \_\_\_\_\_ Sheet 4 of 4

Surface Elevation \_\_\_\_\_ Offset \_\_\_\_\_

Address \_\_\_\_\_ Date Started 8-29-89 Completed 9-1-89

City & State San Antonio City, Texas Driller J. Van Bilt Rig 601500

Abbreviations: A.O. - Auger Only R.B. - Rock Bit C.W. - Core Water  
 H.A. - Hollow Auger S.S. - Split Spoon C.A. - Core Air  
 W.B. - Wash Bore S.T. - Shelby Tube F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO. METER	NO. OF BLOWS		
268.0	274.0				23	Brownish gray sandstone (med to coarse sand) M. Hard
274.0	275.0				20	Brownish gray ls. Very Hard
275.0	278.0					Br. fine to very fine sandstone, med
278.0	281.0				23	Dark gray siltstone, very hard
281.0	T.D.					

**RECEIVED**

JAN 29 1990

DIVISION OF ENVIRONMENT

REMARKS: (Casing, Water Loss, Etc.) \_\_\_\_\_ Water Level \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_ (Completion)