

ICWA. GEOLOGICAL SURVEY
In Cooperation with U.S. Geological Survey
RECORD OF WELL

#16147

Location:

Town: INDEPENDENCE (NE) County BUCHANAN
(SW)
NE NW SE Sec. 4, T. 88, N., R. 9 (E) Twp.
(W)

Well name and number _____

Owner INDEPENDENCE City Well (1964) Address INDEPENDENCE, IOWA

Tenant _____ Address _____

Contractor LAYNE-WESTERN Co. Address AMES, IOWA

Drillers _____

Drilling dates FEB. 1-21, 1964

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet 907'

Determined by Altimeter (T.G. Kling) Summer 1966

Topographic position _____

Total depth: Reported 265' feet; Measured _____ feet

Drilling method _____

Hole and casing data 43' OF 8" I.O. C&C

Original depth to water _____ ft. above _____ below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

PRODUCTION DATA

Date _____

Static water level _____

21

Pumping water level _____

No Air Line - Couldn't Measure Drawdown

Yield (g.p.m.) _____

300 To 400 GPM

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

Well No. #16147 Sample range 11-265 No of samples 53

No. of dupls. and cond. 53-600d Washed range 15-265

Samples prepared by Tregood & Bud Scheetz Date 2-26-64

Logged by NORTHUP Date 1/25/65

Correlations by " Date 1/25/65

#16147

Name TOWN OF INDEPENDENCE
 Address INDEPENDENCE IOWA
 Location SE-SW Sec. 34 T. 89N R. 9 W.
 Well No. TEST No. of wells _____
 Samples _____; Analysis TOF
 Use: Public drinking () ; Industrial () ; Cooling or Air Cond. () .
 Other _____
 Construction: Drilled () ; Grav. Pack () ; Dug () ; Driven () .
 Driller: LAYNE WESTERN Date drilled: FEB 1 TO 21, 1964
 Casing data: 43' OF 8" I.D.

Well: Depth 265 ; Depth to bedrock 18' BROKEN-40' SOLID ; Elevation _____ ;
 SWL 21 ft; Pumping level _____ ft. pumping at _____ gpm in _____
 hrs. Drawdown _____ ft; Spec. cap _____ gpm/ft.
 Rated capacity of well _____ gpm at _____ ft. dd.
 Motor: Name & type GAS ; No. _____ ; Motor eff. _____ ; HP _____ .
 Voltage _____ ; Amps _____ .
 Pump: Name & type TURBINE No. _____ ; Pump eff. _____ ;
 Capacity 600 gpm; Pump column length 207 ft; Pipe size 6" I.D. in.
 Bowls (size & no.) 8"-7 STAGE ; Total head _____ .
 max. _____
 Tank Press. min. _____ lbs; Discharge pipe _____ in.:

Production: Daily, monthly, or yearly ave. in g, gpm, gph, or gpd

Time pumped: No. of hrs/dy _____ ; time of day _____ .

Months pumped if seasonal _____ ;

How long operating on above schedule _____ ;

Gage, graph, orifice etc. readings for gpm info.

Remarks:

5" ORIFICE IN 6" PIPE

WATER SAMPLE COLLECTED 3PM. 2-24-64