

DUNHAM DRILLING CO.
P. O. BOX 37
COPELAND, KS 67837

INVOIC

INVOICE NO.

J19-3

SHIPPED TO

SOLD TO

Mr. Gary Jantz
3703 Y Road
Montezuma, Kansas 67867

Hole: 410'
Pump: 220 Now 280
Water Level: 185

| DATE | ORDER NO. | SALESMAN | TERMS | SHIPPED VIA |
|----------|--|----------|---------------------------------------|--------------------------|
| 4-19-97 | | | ALL ACCOUNTS ARE DUE IN 30 DAYS - 1½% | per month Finance Charge |
| QUANTITY | DESCRIPTION | | | PRICE |
| | 410' Irrigation Well with PVC plain casing & Gravel Pack | | | |
| | 60' PVC Perf Casing | | | |
| | 1 16" PVC Bottom Cap | | | |
| | 410' 1½" PVC Observation Cap & Tube | | | |
| | Bentonite Hole Plug - 6 bags | | | |
| | 6" x 16' Cement Motor Slab | | | |
| | Labor to pull 220' of Pump | | | |
| | Labor to move pump (No Charge since you helped Don with cement slab) | | | |
| | 5 Stage SP12M Bowl Assembly | | | |
| | 9 & 16" stickup 10" st thrd 2½" RH ERC 1½" 10 thrd | | | |
| | Fitted to 10" Column Pipe | | | |
| | 3 Sections 1½ x 2½ x 20' RH ERC Tube & shaft | | | |
| | 3 Joints 10 3/4" x 20' st thrd Column Pipe | | | |
| | 2 10" x 2½" Spiders | | | |
| | 1 2½" x 1½" Drop In Bearing | | | |
| | 2 Gallon drip Oil | | | |

ENVELOPES: TO REORDER CALL: 1-800-275-4400

1 LOCATION OF WATER WELL: Fraction SE 1/4 NW 1/4 NE 1/4 Section Number 4 Township Number T 28 S Range Number R 30 EW
 County: Gray
 Distance and direction from nearest town or city street address of well if located within city?
1/2 Mile East 7 Mile North 3/4 Mile East 1/4 Mile South

2 WATER WELL OWNER: Mr. Gary Jantz
 RR#, St. Address, Box # : 03703 Y Road Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : Montezuma, Kansas 67867 Application Number: 37997

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

| | | | |
|---|----|---|----|
| N | | | |
| | NW | X | NE |
| | | | |
| W | | | E |
| | SW | | SE |
| | | | S |

4 DEPTH OF COMPLETED WELL: 410 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. 204 ft. 2. 298 ft. 3. 344 ft.
 WELL'S STATIC WATER LEVEL 185 ft. below land surface measured on mo/day/yr 4-16-98
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield 1200 gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter: 26 in. to 410 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 X.....; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes X No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded & bolted
 2 PVC 4 ABS 7 Fiberglass Threaded
 Blank casing diameter 16 in. to 350 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 12 in., weight lbs./ft. Wall thickness or gauge No. SDR 26
 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 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 350 ft. to 410 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 20 ft. to 410 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 20 ft., From ft. to ft., From ft. to ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage
 Direction from well? southwest (To Be Plugged) How many feet? Approx. 200'

| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|-----|---------------------------------------|------|-----|----------------------------------|
| 0 | 30 | Topsoil, clay & little fine sand | 180 | 188 | Lime (very hard) |
| 30 | 45 | Clay & little lime & little fine sand | 188 | 192 | Clay |
| 45 | 60 | Sand (fine) & Clay | 192 | 195 | Lime (hard) & clay |
| 60 | 75 | Clay & little lime (little hard & fs) | 195 | 199 | Clay |
| 75 | 90 | Clay | 199 | 204 | Lime (hard) & clay |
| 90 | 120 | Sand | 204 | 210 | Sand & 2' Clay |
| 120 | 135 | Sand & little clay | 210 | 217 | Sand & little cemented sand |
| 135 | 150 | Sand | 217 | 267 | Clay & little lime (little hard) |
| 150 | 153 | Cemented sand (very hard) | 267 | 270 | Clay & Sand (fine) |
| 153 | 159 | Sand & little cemented sand | 270 | 280 | Clay & 3' Sand (fine) |
| 159 | 162 | Cemented sand (hard & very hard) | 280 | 285 | Clay & little lime |
| 162 | 165 | Sand & little cemented sand | 285 | 298 | Clay & little lime |
| 165 | 172 | Lime (hard) & Clay | 298 | 300 | Sand (fine) |
| 172 | 174 | Sand | 300 | 308 | Clay |
| 174 | 180 | Cemented sand (hard & very hard) | 308 | 315 | Sand |

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) 4-18-97 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 223 This Water Well Record was completed on (mo/day/yr) 4-22-97 under the business name of Dunham Drlg. Co. by (signature) Karen Dunham

| | | |
|-----|-----|---|
| 315 | 320 | Clay & little fine sand |
| 320 | 330 | Clay |
| 330 | 335 | Clay & little fine sand |
| 335 | 344 | Clay |
| 344 | 345 | Sand |
| 345 | 360 | Sand (course) & little cemented sand (VG) |
| 360 | 366 | Sand (course) (VG) |
| 366 | 368 | Clay |
| 368 | 409 | Sand (course) (VG) |
| 409 | 420 | Clay turn to shale (Hard) |



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