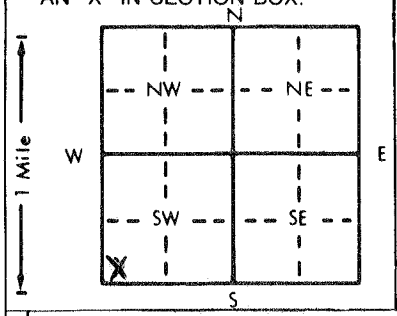
WATER WELL RECORD Form WWC-5 KSA 82a-1212 MW-1

1 LOCATION OF WATER WELL: County: Lyon | Fraction: SW ¼ SW ¼ SW ¼ | Section Number: 35 | Township Number: T 20 S | Range Number: R 11 (E) W

Distance and direction from nearest town or city street address of well if located within city? 106 W. Hwy 99, Olpe, Ks

2 WATER WELL OWNER: Murphy Oil Company C/O Ray Schreiner
RR#, St. Address, Box # 106 West Hwy 99, Olpe, KS 66865
City, State, ZIP Code
Board of Agriculture, Division of Water Resource
Application Number:

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




4 DEPTH OF COMPLETED WELL 19.25 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ~~16~~ 14.4 ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 4.33 ft. below land surface measured on mo/day/yr 5/16/96
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 8.625 in. to ~~27.5~~ 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 MW-1
Was a chemical/bacteriological sample submitted to Department? Yes — No X; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes — No X

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
(2) PVC 4 ABS 7 Fiberglass Threaded X
Blank casing diameter 2 in. to 4.25 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 0 in., weight SCH 40 PVC lbs./ft. Wall thickness or gauge No.
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 4.25 ft. to 19.25 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
SAND ~~GRAVEL~~ PACK INTERVALS: From ~~0~~ 3.25 ft. to ~~21.5~~ 19.75 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 2 0 ft. to ~~3.25~~ 1.25 ft., From 3 1.25 ft. to 3.25 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)
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage Contaminated Si
Direction from well? How many feet?

| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|---|---|---|---|---|---|
| GL | 3.00 | Fill, gravel w/ silts and clays | | | |
| 3.00 | 8.50 | Silty Clay (CH) | | | |
| 8.50 | 14.00 | Clayey Silt (ML) | | | |
| 14.00 | 19.00 | Chert and gravel w/sands | | | |
| 19.00 | 19.75 | Limestone, hard | | | |
| 19.75 | TD | End of borehole | | | |
| | | | | | Flush Mount |
| | | | | | waiver |
| | | | | | D.Taylor 6-3-96 |

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) 5/16/96 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 585 This Water Well Record was completed on (mo/day/yr) 5/20/96 under the business name of Associated Environmental, Inc. by (signature) [signature]

INSTRUCTIONS: Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.