County: Haskell Fraction SE NW SE Sec. 17 T 29 S R 33 E (W)

CORRECTION(S) TO WATER WELL COMPLETION RECORD (WWC-5)
(to rectify lacking or incorrect information)

Owner: OXY USA Inc.

Location was listed as:	**Location changed to:**
Section-Township-Range: 17-29S-33W	17-29S-33W
Fraction (¼ ¼ ¼): None Given	SE NW SE

Other changes: Initial statements:

Changed to:

Comments:

Verification method: Written & legal descriptions, position on plat map, location of associated oil well, and mapping tool & aerial photos on KGS website. initials: DRL date: 10/30/2013

Submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No. _____

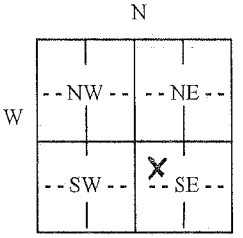
1 LOCATION OF WATER WELL: County: HASKELL CO ,KS | Fraction: ¼ ¼ ¼ ¼ | Section Number: 17 | Township No.: T 29 S | Range Number: R 33 ☐E ☑W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐.
Sublette Ks:Hwy 83&56,4 M, N TO RD 150-4 M.W TO RD 11 3/4 M S & 1/4 M W INTO LOCATION

Global Positioning System (GPS) information:
Latitude: ..... (in decimal degrees)
Longitude: ..... (in decimal degrees)
Elevation: .....
Datum: ☐ WGS 84, ☐ NAD 83, ☐ NAD 27
Collection Method:
☐ GPS unit (Make/Model: .....)
☐ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ <3 m, ☐ 3-5 m, ☐ 5-15 m, ☐ >15 m

2 WATER WELL OWNER: OXY USA INC
RR#, Street Address, Box #: P.O. BOX 2768
City, State, ZIP Code : ADDISON TX750012768

3 LOCATE WELL WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 460 ft.
Depth(s) Groundwater Encountered (1) 284 ft. (2) ..... ft. (3) ..... ft.
WELL'S STATIC WATER LEVEL 284 ft. below land surface measured on mo/day/yr 8-24-13
Pump test data: Well water was 448 ft. after 1 hours pumping 284 gpm
EST. YIELD 70 gpm. Well water was ..... ft. after ..... hours pumping ..... gpm
Bore Hole Diameter 10 3/4 in. to 460 ft., and ..... in. to ..... ft.
WELL WATER TO BE USED AS: ☐ Public water supply ☐ Geothermal ☐ Injection well
☐ Domestic ☐ Feedlot ☑ Oil field water supply ☐ Dewatering ☐ Other (Specify below)
☐ Irrigation ☐ Industrial ☐ Domestic-lawn & garden ☐ 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: ☐ Steel ☑ PVC ☐ Other .....
CASING JOINTS: ☑ Glued ☐ Clamped ☐ Welded ☐ Threaded
Casing diameter 6 in. to 460 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.
Casing height above land surface 24 in., Weight 4.074 lbs./ft., Wall thickness or gauge No. SDR-21 316
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 360 ft. to 460 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 160 ft. to 460 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL: ☑ Neat cement ☐ Cement grout ☐ Bentonite ☐ Other .....
Grout Intervals: From 1 ft. to 25 ft., From ..... ft. to ..... 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
0	4	TOP SOIL	286	317	SANDY CLAY
4	53	TAN CLAY	317	371	MED. SAND
53	78	CLAY/SANDY CLAY	371	402	SANDSTONE/SANDY CLAY
78	142	MED. COARSE SAND	402	453	MED. SAND
142	152	SANDY CLAY	453	460	YELLOW/PINK SANDY CLAY
152	205	MED. COARSE SAND			
205	216	BLUE CLAY			
216	225	BLUE/YELLOW CLAY			
225	255	SANDY CLAY			
255	286	YELLOW/BLUE CLAY			

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) 8-23-13 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 430 This Water Well Record was completed on (mo/day/year) 8-23-13 under the business name of Howard Drlg Co Box 806 Beaver Ok 73932 by (signature) Steve Howard

INSTRUCTIONS: Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks and check the correct answers. Send one copy to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. 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