

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: <u>Grant</u>	<u>NE 1/4 NE 1/4 SE 1/4</u>	<u>2</u>	<u>T 28 S</u>	<u>R 35 E/W</u>

Distance and direction from nearest town or city street address of well if located within city?  
Jct Hwy 160 & Hwy 190 N of Ryus: 5.5 on North and West into

2 WATER WELL OWNER: OXY USA Inc McMoran B#1  
 RR#, St. Address, Box #: Box 2529 Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: Liberal, Ks. 67905 Application Number: 20040396

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

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

4 DEPTH OF COMPLETED WELL ..... 460 ..... ft. ELEVATION: .....

Depth(s) Groundwater Encountered 1 ..... 260 ..... ft. 2 ..... ft. 3 ..... ft.  
 WELL'S STATIC WATER LEVEL ..... 260 ..... ft. below land surface measured on mo/day/yr ..... 12-15-04 .....  
 Pump test data: Well water was ..... 440 ..... ft. after ..... 1 ..... hours pumping ..... 60 ..... gpm  
 Est. Yield ..... 60 ..... gpm: Well water was ..... ft. after ..... hours pumping ..... gpm  
 WELL WATER TO BE USED AS:  
 1 Domestic 3 Feedlot 6 Oil field water supply 8 Air conditioning 11 Injection well  
 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 9 Dewatering 12 Other (Specify below)  
 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:

1 Steel	3 RMP (SR)	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued <u>X</u> Clamped .....
<u>2</u> PVC	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded .....
		7 Fiberglass		Threaded .....

Blank casing diameter ..... 6 ..... in. to ..... 380 ..... ft., Dia ..... in. to ..... ft., Dia ..... 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:

1 Steel	3 Stainless Steel	5 Fiberglass	<u>7</u> PVC	10 Asbestos-Cement
2 Brass	4 Galvanized Steel	6 Concrete tile	8 RMP (SR)	11 Other (Specify) .....
			9 ABS	12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

1 Continuous slot	3 Mill slot	5 Gauzed wrapped	<u>8</u> Saw cut	11 None (open hole)
2 Louvered shutter	4 Key punched	6 Wire wrapped	9 Drilled holes	
		7 Torch cut	10 Other (specify) .....	

SCREEN-PERFORATED INTERVALS: From ..... 380 ..... ft. to ..... 460 ..... ft., From ..... ft. to ..... ft.  
 From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From ..... 260 ..... ft. to ..... 460 ..... ft., From ..... ft. to ..... ft.  
 From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL: 1 Neat cement 25 2 Cement grout 3 Bentonite 4 Other ..... Hole Plug .....

Grout Intervals: From ..... ft. to ..... 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	<u>15</u> 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? Southeast How many feet? 250

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Surface			
2	83	Clay			
83	172	Sand			
172	240	Clay			
240	285	Sandy clay			
285	293	Sand			
293	310	Sandy clay			
310	315	Sand			
315	323	Sandy clay			
323	327	Sand			
327	380	Sand and sandy clay			
380	400	Sand			
400	455	Sand and sandy clay			
455	460	Clay			

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) ..... 12-15-04 ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. KWCL-430 This Water Well Record was completed on (mo/day/yr) ..... 12-15-04 ..... under the business name of Howard Drilling Co Box 806 Beaver, Ok 73932 by (signature) Paul Howard