

1	LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
	County: <i>RUSSELL</i>	<i>NE 1/4 NW 1/4 NE 1/4</i>	<i>34</i>	<i>11S</i>	<i>11W</i>

Distance and direction from nearest town or city street address of well if located within city?  
*1/4 mile E. of LUCAS, 5499 K-18 HWY*

2 WATER WELL OWNER: *MARC LOVIN, Home Oil Service + Co.* (KDHE SITE ID: *00192503*)  
 RR#, St. Address, Box #: *P.O. Box 38* Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: *LUCAS, KS 67648* Application Number: *Tag destroyed + Lost*

*[MW-10 - Trust Fund]*

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

N			
		X	
	N W		N E
W			E
	S W		S E
S			

4 DEPTH OF WELL.....*40*.....ft.  
 WELL'S STATIC WATER LEVEL.....*~30*.....ft.  
 KDHE Project Code: *A6084-40025*

WELL WAS USED AS:

1 Domestic	5 Public Water Supply	9 Dewatering
2 Irrigation	6 Oil Field Water Supply	10 Monitoring Well <i>Home Oil Service + Convenience; see attached log.</i>
3 Feedlot	7 Lawn and Garden Only	11 Injection Well
4 Industrial	8 Air Conditioning	12 Other.....

Was a chemical/bacteriological sample submitted to Department? Yes.....No.....  
 If yes, mo/day/yr sample was submitted.....*July 20, 1989*

Water Well Disinfected: Yes..... No.....

5 TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	5 Wrought	7 Fiberglass	9 Other (specify below)
2 PVC	4 ABS	6 Asbestos-Cement	8 Concrete Tile	

Blank casing diameter...*2*.....in. Was casing pulled? Yes..... No..... If yes, how much.....  
 Casing height above or below land surface.....*0.2 ft.*.....

6 GROUT PLUG MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other...*sand*.....  
 Grout Plug Intervals: From...*40*...ft. to...*30*...ft., From...*30*...ft. to...*6*...ft., From..... to.....ft.  
*Sand* *bentonite*

What is the nearest source of possible contamination:

1 Septic tank	6 Seepage pit	<u>11 Fuel storage</u>	16 Other (specify below)
2 Sewer lines	7 Pit privy	12 Fertilizer storage	
3 Watertight sewer lines	8 Sewage lagoon	13 Insecticide storage	
4 Lateral lines	9 Feedyard	14 Abandoned water well	
5 Cess Pool	10 Livestock pens	15 Oil well/Gas well	

Direction from well? *~60 to 15' North* How many feet? .....

FROM	TO	PLUGGING MATERIALS
<i>40</i>	<i>30</i>	<i>Medium-grained sand</i>
<i>30</i>	<i>6</i>	<i>Bentonite</i>

*Well destroyed during excavation activities to remove gasoline and diesel-contaminated soils.*

*Well casing severed at 6' below surface.*

*Free-phase gasoline in the well was measured at 336' prior to plugging*

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year)....*3/13/90*..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. .... This Water Well Record was completed on (mo/day/year) ....*3/15/90*..... under the business name of ....*KDHE - MWDO*..... by (signature) ....*D.L. DeCarra*.....

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: 913/296-3565. Send one to Water Well Owner and retain one for your records.

# GeoCore Services, Inc.

P.O. Box 386, 2775 Arnold Road, Salina, Kansas 67402  
 Phone: 913-826-1616 Fax: 913-826-9508

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Drilling Log for **SB10/ MW10** at Lucas Home Oil & Convenience Store for Home Oil & Convenience Store, Inc.

5499 K-18, Lucas, Kansas

GeoCore #493

KDHE A6 084 40025

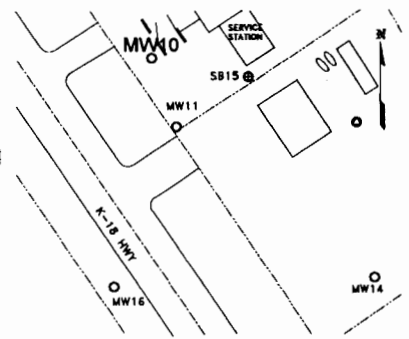
Drilled 10/31/97

Geologist: M. Eddings

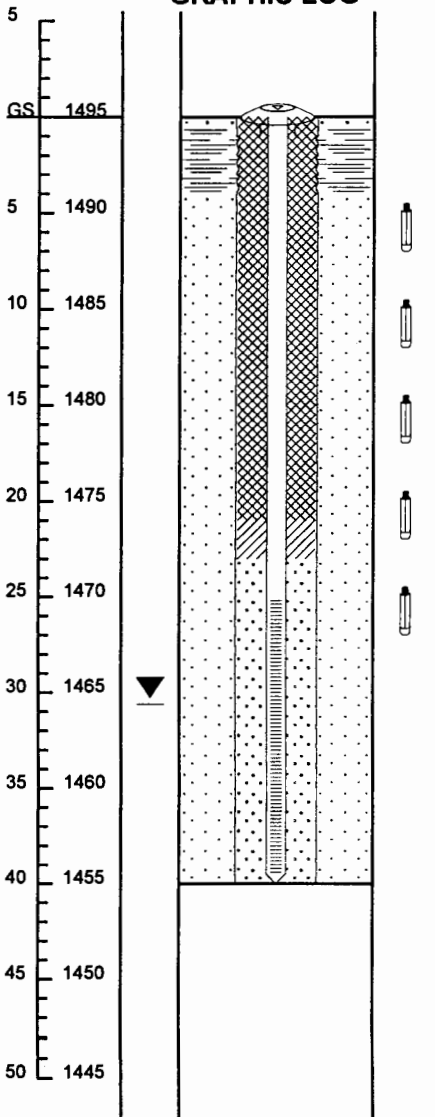
Mobile B-52 Drill Rig

Driller: C. Snetsinger

25' x 2" PVC Casing	Hollow Stem Auger	Survey: Carlson	NE 1/4, NW 1/4, NE 1/4,
15' x 2" PVC 0.010 Mill Slot Scrn.	Split Spoon	Completed as a Well	S34, T11S, R11W
Coarse Grade Gravel Pack	Boring Diameter: 8"	Total Depth: 40'	SWL: 33.53' BTOC on 12/10/97
Flushmount	TOC Elev: 1494.91	GS/Bolt Elev: 1495.16	SWL: 1461.38 on 12/10/97



## GRAPHIC LOG



## SAMPLE DATA

- SS from 5' to 7':  
300 ppmv with Drager
- SS from 10' to 12':  
>2500 ppmv with Drager
- SS from 15' to 17':  
>2500 ppmv with Drager
- SS from 20' to 22':  
>2500 ppmv with Drager
- SS from 25' to 27':  
1000 ppmv with Drager

## LITHOLOGIC DESCRIPTION

- 0' - 0.5': **Asphalt**
- 0.5' - 2': Dark Brown **Clay**, moist, plastic
- 2' - 4': Light Brown **Clay**, moist, plastic, slightly silty, slightly sandy
- 4' - 15': Dark Red **Sand**, fine grained, well rounded, well sorted
- 15' - 40': Red Brown **Sand**, fine grained, well rounded, well sorted, small gravel

*Plugged / Abandoned  
 3/13/00  
 KDHE - NWDO  
 Bill Heiman*

LEGEND	
	SAND (POORLY GRADED)
	SAND (WELL GRADED)
	CLAY
	SILT
	LIMESTONE
	SHALE
	CONCRETE
	BENTONITE
	SAND
	PRODUCT LEVEL
	STATIC WATER LEVEL (SWL)
	WATER ENCOUNTERED WHILE DRILLING
	H-nu PID
	OVA FID
	MICROTIP
	DRAGER
	SPLIT SPOON
	SHELBY TUBE
	SIEVE
	ABOVE GROUND COVER
	FLUSH MOUNT COVER