MACK DRILLING COMPANY
1345 20TH STREET SE
P O EOX 12057
SALEM, OR 97309-0067

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STATE OF OREGON	51755
STATE OF OREGON WATER SUPPLY WELL REPO (as required by ORS 537.765)	ORT STESS
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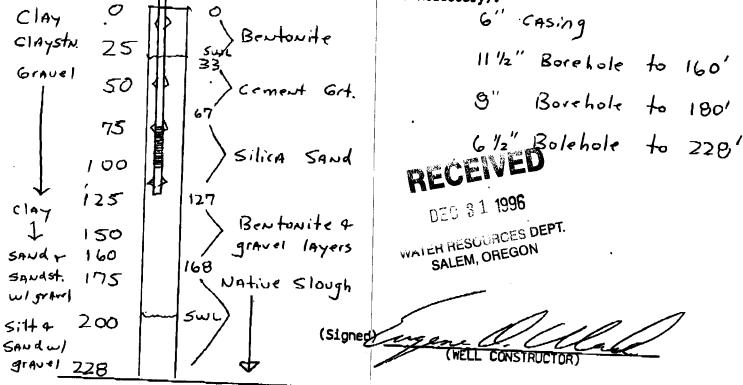
88815 (START CARD) #\_\_

Instructions for completing this report are on the last page of this form.	
(1) OWNER: Well Number 4610	(9) LOCATION OF WELL by legal description:
Name BUREAU OF LAND MANAGEMENT	County MARTON Latitude Longitude
Address 1717 FABRY ROAD SE	Township 9/S N or S Range 3E E or W. WM.
City SALEM State OR Zip 97302	Section 10 SW 1/4 NW 1/4
(2) TYPE OF WORK	Tax Lot NONE Lot Block Subdivision
New Well Deepening Alteration (repair/recondition) Abandonment	Street Address of Well (or nearest address) ELKHORN VALLEY RECREATION
(3) DRILL METHOD:	SITE NORTH FORK ROAD, LYONS
XRotary Air    Rotary Mud    Cable    Auger	(10) STATIC WATER LEVEL: 25' 8" ft. below land surface. Date 12/3/96
Other	
(4) PROPOSED USE:	Artesian pressurelb. per square inch. Date  (11) WATER BEARING ZONES:
Domestic Community Industrial Irrigation	(II) WAIER DEARING ZONES.
Thermal Injection Livestock Other  (5) BORE HOLE CONSTRUCTION:	Depth at which water was first found 55 - 60
Special Construction approval X Yes No Depth of Completed Well 117 ft.	Depart at which water was restroated
Explosives used Yes X No Type Amount	From To Estimated Flow Rate SWL
HOLE SEAL	30 40 1 10
Diameter From To Material From To Sacks or pounds	49 60 15 20
12   0   60   BENTONITE   0   42   39 SACKS	60 75 50 26
11 1/4 60 160 CEMENT CRT 42 67 26 SACKS	75 95 80 26
8 160 180 BENTONTTE 125 168 19 SKS W/	95 115 15 26
6 1/2 180 215 ALT. LAYERS GRV	(12) WELL LOG:
How was seal placed: Method A B AC D E	Ground Elevation
Other BENIONTIE POURED & PROBED	
Backfill placed from 125 ft. to 215 ft. Material BENT/NAT.SLOUG	Material From To SWL
Gravel placed from ft. to ft. Size of gravel	
(6) CASING/LINER:  Diameter From To Gauge Steel Plastic Welded Threaded	RECFIVEN
CI	
Casing: $6''$ $+2$ $-3$ $250$ $1$ $1$	DEU 3.1 1000
$6''$ 97 117 .280 $\square$	-29 01 1390
	WATER RESOURCES DEPT
Liner:	SALEM, OREGON
	, The doly
Final location of shoe(s) NONE, BOTTOM PLATE	
(7) PERFORATIONS/SCREENS:	
Perforations Method CONTINUOS STAINLESS STEEL	
Slot Type HOUSION Material S.STEEL Tele/pipe	
From To size Number Diameter size Casing Liner	
77 87 .025 CONT. 6" 7" X	
77 87 .025 CONT. 6" 7" 🛣 🗆	
87 97 .040	
(8) WELLTESTS: Minimum testing time is 1 hour	Date started 11/12/96 Completed 12/4/96
Flowing	(unbonded) Water Well Constructor Certification:
NPump Bailer Air Antesian	I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards.
Yield gal/min Drawdown Drill stem at Time	Materials used and information reported above are true to the best of my knowledge
100+ 18' 58 FT 1 hr.	and belief.
55 10' 9.5 HRS.	ha Ga
51 7 14 1 7 7 7	Signed Date 12-10-56 (bonded) Water Well Constructor Certification:
Temperature of water 51 Depth Artesian Flow Found Water analysis done? X Yes By whom WATERLAB	I accept responsibility for the construction, alteration, or abandonment work
Was a water analysis done? X Yes By whom WALENLAD  Did any strata contain water not suitable for intended use? Too little	performed on this well during the construction dates reported above. All work
Salty X Muddy Odor Colored Other	performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Depth of strata: 212 - 228 HEAVING SILT 30 GPM SWL 194	WWCNumber 1394
Deput of strata.	Signed Date 12-9-90

127   130	124 127	121 124	116 121	112 116	110 112	108 110	95 108	75 95	60 75	49 60	30 49	25 30	20 25	12 2	ō	0	FROM TO	DEPTH (Feet)	11 ' 144	Improvement Number
			<b>6</b>									0		20	2	0		CUTTINGS	EKhan UA	mber
		CIAY W	Gravel will	Gravel w/1	Gravel w/	Gravelech			Gravel by	<del></del>	Claystone	laystone	Clayshove	on loment br.	CIAY	Clay	TYPE OF ROCK		Valley Rece	Improvement Name
brown	blue/gray	<u> </u>	11 Clay In	Clay 5	Clay blue		mera	gray V	blues gra		1	┼	406119		br. + TAW	promy	COLOR	DESCRIPTION O	Lecce han Sit	ame
	(		T MARCON ST	Small w/quartzite	Soft	soft stick	volcanic rock	medium to	blues gan boulders & claystone seams	, -	l	1	gravel in	gravel sm.	Soft	Soft	OTHER CH	DESCRIPTION OF MATERIALS DRILLED		DEPAR BUREAL
			1 2 2 1 1 1 1 1 1	actaite			ock soft	larse	Claystone	soft crum	bluc	5	interbed m	. w/Claze-Clay			OTHER CHARACTERISTICS (Grain size, hardness, etc.)	ILLED	WELL LOG	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT
								- 1		15			m-had	Claystone			(gpm)	WATER	<b>O</b>	TES IE INTERIOR ANAGEMENT
Sticky		4	ہ کر	80% SV.		i.	vo+ 5	gra h	Deill Zdaine	CAVina	tica Tica	Cin	firm	firm 1	Stick	Stick			State , District	Sec.
				. 20%			Since it	Euren Sois				4	<sup>®</sup> C				(Quality of water loss of c		Oregon	0 4
				o Clac		Kulsonous	Summer I'm		İ	2	EA CH	C SO ON	37	296			(Quality of water, ease of drilling, caving, loss of drilling fluid, etc.)	REMARKS	County	* 6
			4	Hun		7	, 5	NTYCX					ON	(S)			caving,		MACION OF Area	* W
.								Shoe	2								•			- -   € (c

DEPTI	DEPTH (Feet)			DECORMAN			
FROM	8	SAMPLE NUMBER	TYPE OF ROCK		COLOR OTHER CHARACTERISTICS	WATER YIELD (gpm)	REMARKS (Quality of water, ease of drilling, caving,
130	162		Clay	h 4010	mh		4
162	170		Sandstone	plann	med cond wi		80% C/Ay
4	180		Sandaracla	da ko	inter-cogree Soft		tion
180	210		Sandstand		mixibed (onglomerate		tim
210	220		Sand		Graver Sm.		tilm fine sand
220	729		2	7,7	- [ •		fine Silt
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(6) A diagram showing the pertinent features of the proposed well design and construction (attach additional sheet if necessary):



For Water Resources Department Use Only

Date:

Approved by:

Denied by:

Remarks:

## NOTE:

- (1) If approval, all other phases of construction must be in compliance with State Well Construction Standards.
- (2) If it should be determined at some future date that the well, due to its construction, is offering an avenue for pollution of the ground water body, it will be necessary for you to return to the site to correct any well deficiences.

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