

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. _____

(1) OWNER: Name: SHELL OIL CO. ROCKY MTN DIV Address: P.O. BOX 831 HOUSTON TEX. 77001
(2) LOCATION OF WELL: County KITITAS Twp. 126 Sec. 33 T15 N. R19E W.M.
 Bearing and distance from section or subdivision corner _____

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other

(4) TYPE OF WORK: Owner's number of well (if more than one): 1
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 212 ft. Depth of completed well 212 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 101 ft. to 126 ft.
 Threaded " Diam. from _____ ft. to _____ ft.
 Welded " Diam. from _____ ft. to _____ ft.

Perforations: Yes No
 Type of perforator used: _____
 SIZE of perforations _____ in. by _____ in.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

Screens: Yes No
 Manufacturer's Name: _____
 Type: _____ Model No. _____
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 126 ft.
 Material used in seal: BENTONITE
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off: _____

(7) PUMP: Manufacturer's Name: GRUNDFOS
 Type: SUBMERSIBLE HP 3

WATER LEVELS: Land-surface elevation 1325 ft.
 Static level 108 ft. below top of well Date 12/10/81
 Artesian pressure _____ lbs. per square inch Date _____
 Artesian water is controlled by _____ (Cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? _____
 Discharge: 70 gal./min. with 18 ft. drawdown after 3 hrs.

Every data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Rate of test _____
 or test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Maximum flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG: D

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOP SOIL	0	1
BROWN CLAY	1	3
BR. HARD PAN & BOULDERS	3	14
SMALL GRAVEL & SANDSTONE	14	49
BR. SANDY CLAY & BOULDERS	49	69
GREEN CEMENT GRAVEL	69	83
BR. & BLACK FRACTURED BASALT	83	111
BLACK BASALT	111	153
FRACT. BLACK & BROWN BASALT W.B.	153	172
BROKEN BLACK & BROWN BASALT W.B.	172	203
EXTREMELY BROKEN BLK. & RED BASALT	203	212
WATER BEARING.		

HAS SLIGHT HYDROGEN SULFIDE ODOR & WATER IS WARM.

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Kititas Co. GDS

Work started 12/7/81 19____ Completed 12/10/81 19____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RIEBE WELL DRILLING
 (Person, firm, or corporation) (Type or print)

Address 1503 E. NOB HILL BLVE YAKIMA, WA. 98901
D.B. WATFIELD & TAYLOR

[Signed] John Riebe
 (Well Driller)

License No. 421 Date 12/10/81 19____

RJZ 12-14-81

WATER WELL REPORT



DEPARTMENT OF
ECOLOGY
State of Washington

Type of Work:

Construction
 Decommission \Rightarrow Original installation NOI No. _____

Proposed User: Domestic Industrial Municipal
 Dewatering Irrigation Test Well Other _____

Construction Type: Sew well Alteration Driven Jetted Cable Tool
 Deepening Other _____ Dug Air- Mud-Rotary

Dimensions: Diameter of boring 8 in. to 165 ft.
Depth of completed well 165 ft.

Casing Liner Diameter		From		To		Thickness	Steel	PVC	Welded	Thread
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8	in.	±3		22	in.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>		in.				in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4 1/2	in.	-4		165	in.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>		in.				in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Perforations: Yes No Type of perforator used Skull Saw
No. of perforations 30 Size of perforations 1/8 in. by 12 in.
Perforated from 145 ft. to 165 ft. below ground surface

Screens: Yes No K-Packer \Rightarrow Depth _____ ft.
Manufacturer's Name _____
Type _____ Model No. _____
Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.
Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.

Sand/Filter pack: Yes No Size of pack material _____ in.
Materials placed from _____ ft. to _____ ft.

Surface Seal: Yes No To what depth? 35 ft.
Material used in seal Benitec
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

Pumps: Manufacturer's Name _____ Type: _____
H.P. _____ Pump intake depth: _____ ft. Designed flow rate: _____ gpm

Water Levels: Land-surface elevation above mean sea level _____ ft.
Stick-up of top of well casing _____ ft. above ground surface
Static water level 40 ft. below top of well casing Date 11-20-20
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap. valve, etc.)

Well Tests:
Was a pumping test performed? No Yes \Rightarrow by whom? _____
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Recovery data (time = zero when pump is turned off - water level measured from well top to water level)
Time _____ Water Level _____ Time _____ Water Level _____
Time _____ Water Level _____ Time _____ Water Level _____
Date of pumping test _____
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Air test 30 gpm with stem set at _____ ft. for 1 hrs. } Date 11-20-20
Artesian flow _____ gpm
Temperature of water _____ °F Was a chemical analysis made? Yes No

Notice of Intent No. WE 39803
Unique Ecology Well ID Tag No. B58 284
Site Well Name (if more than one well): _____
Water Right Permit/Certificate No. _____
Property Owner Name Barry Markham
Well Street Address 16632 St. Rt. 821
City Yakima County Kittitas
Tax Parcel No. 959315
Was a variance approved for this well? Yes No
If yes, what was the variance for? _____
Location (see instructions on page 2): WWM or EWM
SW 1/4 of the NW 1/4, Section 33 Township 12 Range 19
Latitude (Example: 47.12345) _____
Longitude (Example: -120.12345) _____

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
Top Soil	0	1
Cobbles & Boulders	1	25
Basalt Gravel	25	40
Basalt Gravel & Clay	40	47
Concave	47	65
Basalt Black Brown	65	80
Porus, Broken	80	130
Basalt Black Broken	80	130
Basalt Black	130	145
Basalt Black with white Rock Chips - water	145	155
Basalt Black	155	165
Air Lift		
30 gpm @ 160		
15 gpm @ 140		

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Start Date 11-17-20 Completed Date 11-20-20

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller Trainee PE - Print Name Gary Lydin
Signature Gary Lydin
License No. 1023
IF TRAINEE: Sponsor's License No. _____
Sponsor's Signature _____

Drilling Company Apple Valley Well Drilling
Address P.O. Box 55
City, State, Zip Selah WA
Contractor's Registration No. AppleVW81208 Date 11-20-20