

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location 1/4 SW 1/4 Sec 15 Twp 125 Rg 66County Black Hills

North

Please mark well location with an "X"

Well Completion Date 10-25-85

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☒ Stock

Method of Drilling:

Conventional Rotary

WELL CONSTRUCTION:

Diameter of hole _____ inches Depth _____ feet

Casing: ☒ Steel ☐ Plastic ☒ OtherSpecify Type "K" casing
 Pipe Weight Diameter From To
15.5 lb/ft 5 inches 0 feet 306 feet
2.06 lb/ft 2 inches 0 feet 1635 feet
Was a well screen used? ☐ Yes ☒ No

If Not Specify _____

Screen Type _____ Slot Size _____

Length _____ Diameter _____

Was Casing left open end? ☒ Yes ☐ NoWas a Packer or seal used? ☒ Yes ☐ NoIf so what material? LeadWas well gravel packed? ☐ Yes ☒ NoWas well grouted? ☒ Yes ☐ No

Describe grouting procedure _____

Grout groutedTo what depth? 306 FeetWhat was grouting material? GroutIf cement, how many sacks? 51Location of packer(s) and screen or perforated pipe Lead packer @ surfacebetween 1000' & 5' steel casingWAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No

If so how and with what material?

Well Owner:

Name Albert E. EricksonAddress Box 112 - Pierre, SD 57501

Well Log:

Depth

Formation

From

To

Pierre160Rembrandt742Sakola10401140Leathem Red Rock14901550Sakola15351635

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure 200 PSIGPM flow 75 through 2 inch pipeControlled by ☒ Valve ☒ Reducers ☐ Other

If other; specify _____

Can well be completely shut off? yes

WELL TEST DATA:

☐ Pumped☐ Bailed Describe: _____☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

Remarks: 60' - 3/8" perforations @ bottomInyan KaraThis well was drilled under license # 29

and this report is true and accurate.

Independent Drilling Co. Inc. R. T. Johnson

Drilling Firm

Signed by

10-20-85

Date

11-5-85

Independent Drilling Co.

Aberdeen, South Dakota

WELL REPORT

Completed well for Albert Erdmann Aberdeen, S. D., 10-28 1985

P. O. Watonka Depth 1635 ft. { 75 Gallons per minute

Pumped _____ gals. per min. for _____ hrs. { Clear Sandy Muddy Cloudy Pumped _____ gals. per min. for _____ hrs. { Clear Sandy Muddy Cloudy

Water stands _____ feet from top. Is the water hard or soft? _____ Well is located on

_____ quarter Sec. _____ T _____ R _____ Moved to this place on _____ 19 _____

Started work on well _____ 19 _____ Well completed on 10-25-85 19 _____

Left this place on _____ 19 _____

306 ft. 5 8 round thread pipe extending to a total depth of 306 feet

1635 ft. 2" K copper pipe extending to a total depth of 1635 feet

_____ ft. _____ pipe extending to a total depth of _____ feet

_____ ft. _____ pipe extending to a total depth of _____ feet

_____ ft. _____ pipe extending to a total depth of _____ feet

Cap Rock 742 ft. _____ Rock at from _____ feet to _____ feet.

Rock from _____ feet to _____ Rock from _____ feet to _____

Tubular sand from _____ to _____ feet _____ to _____ feet

perforated 60 ft. at bottom. Also _____ from _____ to _____ and from _____ to _____

For whom was the last well completed by this machine? _____

What was the date of its completion? _____ Explain loss of time, if any, between completion of last well and commencement of this one _____

What extra charges are there against this well for pipe, fittings and supplies (please itemize)? _____

1- 2" male copper adt

1- 2" Brass tee

4- 2 1/4 x 4 Brass nipples

2- 2 x 1 1/4 Brass Bash

2- 1 1/4 gate valves

1- 1 1/4 pressure reducing valve

8 Round thread on 5" casing

12" mnd @ finish

At whose request and by whose authority was this furnished? _____

Please state what casing and gasoline you have on hand after completion of this well _____

How much gasoline did you have on hand at commencement of this well? _____

How much gasoline have you received while on this well (give date and number of gallons)? _____

Date _____ Amount _____ gals. Date _____ Amount _____ gals.

Date _____ Amount _____ gals. Date _____ Amount _____ gals.

How much gasoline had you on hand at the completion of this well? _____ How much

gasoline did you use on this job? _____ How many days did engine

run on this job? _____

Floyd Zimmerman Foreman Rig. No. 6-D

COMPANY

FARM

Albert E Erdmann

WELL NO.

SEC. TWP. RGE. LOC.

COUNTY

STATE

CONTRACTOR

SIZE HOLE

DRILL PIPE

REMARKS:

SIZE PUMP LINERS

LENGTH STROKE

STARTED DRILLING 10-2-35 = 10-9-85
with 4 1/2 inch bit

51 Bag cement

DATE 7th day in 10-2-85

5 in. 306

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
1	20-0	20	Black shale	51	20-0	1020	
2	20-0	40	Yellow clay	52	20-0	1040	
3	20-0	60	Blue clay	53	20-0	1060	Red to sandy
4	20-0	80	Blue clay & shale	54	20-0	1080	1050 to 1060 SANDY
5	20-0	100	Shale	55	20-0	1100	1060 to 1080 SANDY
6	20-0	120	Shale	56	20-0	1120	1080 to 1100 SANDY
7	20-0	140	Shale & shale	57	20-0	1140	1100 to 1140 SANDY
8	20-0	160	Shale	58	20-0	1160	out
9	20-0	180	Shale	59	20-0	1180	R. 1190
10	20-0	200	Shale	60	20-0	1200	10:00 to 11:20 1 hr 20 min
11	20-0	220	Shale	61	20-0	1220	11:30 to 12:50 1 hr 20 min
12	20-0	240	Shale	62	20-0	1240	1:05 to 2:20 = 1 hr 15 min
13	20-0	260	Shale	63	20-0	1260	2:30 to 3:20 = 1 hr 10 min
14	20-0	280	Shale	64	20-0	1280	3:30 to 4:20 = 1 hr 10 min
15	20-0	300	Shale	65	20-0	1300	4:30 to 5:30 = 1 hr
16	20-0	320	4 1/2 inch Rock Bit 335 1/2 inch 175 1/2 inch Rock Bit	66	20-0	1320	12:30 to 1:30 = 1 hr
17	20-0	340	175 1/2 inch Rock Bit	67	20-0	1340	1:45 to 3:30 = 1 hr 45 min
18	20-0	360		68	20-0	1360	3:40 to 5:45 = 1 hr 10 min
19	20-0	380	R. 1422	69	20-0	1380	9:45 to 12:15 = 2 hr 30 min
20	20-0	400	R. 1434	70	20-0	1400	12:27 to 3:00 = 2 hr 35 min
21	20-0	420	Mudw.	71	20-0	1420	3:10 to 5:20 = 2 hr 10 min
22	20-0	440	11.5	72	20-0	1440	11:20 to 12:40 = 1 hr 20 min
23	20-0	460		73	20-0	1460	12:55 to 2:45 = 1 hr 50 min
24	20-0	480		74	20-0	1480	2:55 to 5:03 = 2 hr
25	20-0	500		75	20-0	1500	5:15 to 11:55 = 2 hr 40 min
26	20-0	520		76	20-0	1520	12:10 to 2:20 = 2 hr 10 min
27	20-0	540	S.R. Litch 540	77	20-0	1540	2:30 to 5:30 = 3 hr 5 min
28	20-0	560	taking little water	78	20-0	1560	5:50 to 8:30 = 2 hr 40 min
29	20-0	580	" " "	79	20-0	1580	11:00 to 12:50 1 hr 50 min
30	20-0	600	" " "	80	20-0	1600	1:00 to 1:20 20 min
31	20-0	620	" " "	81	20-0	1620	1:30 to 1:50 20 min
32	20-0	640	" " "	82			2:00 to 2:40 40 min
33	20-0	660	" " "	83	T D	1635	
34	20-0	680	" " "	84			
35	20-0	700	" " "				red soil 1490 to 1580
36	20-0	720	" " "				hard & brittle 1550 to 1630
37	20-0	740	C.R. 742				
38	20-0	760	holding				
39	20-0	780	holding				Sand 1575 to 1630
40	20-0	800	"				
41	20-0	820	"				
42	20-0	840	"				
43	20-0	860	"				
44	20-0	880	"				
45	20-0	900	held quite				
46	20-0	920					
47	20-0	940					
48	20-0	960	R. 973				
49	20-0	980					
50	20-0	1000					

YEAR COMPLETED 1985

Rig No. G. A.

Mr. Albert E. Erdmann

Box 117

P. O. Wetenka, So. Dak. 57481

Phone 439 - 3321

Tenant Pasture

Tenant P. O. —

Location SW 15 - 125 - 66

Size 5" x 2" Type "K" Copper

Completed 10-25-85

By Lemmerman & Brice
Foreman

Terms Cash - S.C.S.

Entered Billed \$ 11,245.⁵⁰

Settled

State report 10-85