

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

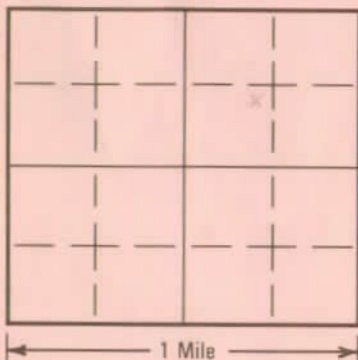
Location 1/4 1/4 Sec 6 Twp 74 Rg 4E
County DeWitt North

Please mark well location with an "X"

W

E

Well Completion Date

7/14/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 1/4 ft. from N/A (identify source).

PROPOSED USE:

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

air rotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>PVC</u> LB/FT	<u>2 3/4</u> IN	<u>0</u> FT	<u>34.0</u> FT	<u>2 3/4</u> IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Type 70</u>	<u>22</u>	lb./gal	<u>0</u> ft.	<u>34</u> ft.
		lb./gal	ft.	ft.

Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material N/A

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NOIf so, what material? N/A

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

YES, How: _____

NO, Why Not? Not a well

Laboratory sent to for water quality analysis _____

 Well Owner: Kelly C. Smith / Amy Bryant
 Business Name: _____
 Address: 57192 226 St.
Pitchfork, Wyo 85355

WELL LOG:

DEPTH

FORMATION

FROM

TO

see attachedsee attached7/12/03(Trace of water 247-249)STATIC WATER LEVEL to approx 130' in 24-30 hrs Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through (N/A) inch pipeControlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed _____☐ Other air lift

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Well was air lifted 2 end of
drilling on (3) separate occasions and
can be dry drop, however as a precaution
sup of 50-75 gal in a 24 hour recovery period
This well was drilled under license # SD-489

And this report is true and accurate.

Drilling firm Drill Drill

Signature of License Representative: _____

RECEIVED

FEB 15 2005

Signature of Well Owner or Equitable Property Holder: _____

WATER RIGHTS PROGRAM

Date: (amended) Feb-08, 05

2-13-05

07-92

Date: 12-02-05

(Attach "A")
(773-4068)

NOTEPAD

0-84' 6.625 O.D. SURFACE CASING / PRESSURE GROUTED TO SURFACE RETURNS
0-84' REDISH/BRN TO TAN BUFF SS. (BROKEN BAD FROM 0-57' --- CASING SEAT @ 84.0'
PRESSURE GROUTED IN CASING USING A 8.750" HOLE BORE
CEMENT SETUP FOR 30.0 HRS. BEFORE DRILL OUT FROM UNDER SURFACE SET
84-202' LT. RED SS. / WITH SOME BLACK STREAKS
202-234' GRN / GRY SHALE
234-255' INTERBEDDED GRN / GRY SHALE W / MULTI-COLORED FINE SS.
(TRACE OF WATR @247-249'----SOFT DRILLING BREAK)
255-446' SS. UNIT --- MULTI-COLORED / WHT,RED,PURPLE,& SOME GRN TO BLUE SS.
446-565' TAN BUFF SS.
565-590' GRN / GRY SHALES W / SOME INTERBEDDED FINE GRAINED SS.
(SS. ALSO HAD STREAKS OF PURPLE SHALES--- DRILL RETURNS PNK/RED
590-628' PINKISH VERY HARD DOLIMITE OR LIMESTONE (?) , (POSSIBLE PIPER LMSTN.)
628-700' GRN / GRY SHALES (BASAL SUNDANCE UNIT- T.D. OF 6.0" BOREHOLE)
(POSSIBLE PENETRATION OF 40 TO 200' TO TOP OF SPEARFISH UNIT)
(THERE STILL EXISTS A POSSIBLE CHANCE OF WATER IN THE BASE OF UNIT)
704.0' T.D. OF HOLE TEMPORARLY CAPPED - (FUTURE DEPTH DEVELOPMENT ?)

(HOLE MAKES APPROXIMATELY 50 TO 75 GALLONS OF FLUID IN 24 HOURS)

(DRILL LOCATION LEFT FOR POSSIBLE REENTRY WORK)

KELLY CALDWELL---BARRY TIGERANT / 57692 226 ST.,LITCHFIELD,MN.,55355

PHONE #'S 320-693-7347 605-890-4911

(745-4211)

REQUEST INFORMATION (POSSIBLE CASING LINER & PUMP INSTALLATION ?)
(RECOMANDATION: EXISTING BOREHOLE IS NOT A WELL &
IS NOT FEASIBLE TO PUMP. A CASING LINER IS POSSIBLE
TO PUT IN,HOWEVER WOULD NOT BE ADVISED @ THIS TIME
IF ANY ADDITIONAL DEPTH IS TO BE ANTICIPATED IN THE
FUTURE. A CASING LINER @ THIS TIME MAY REQUIRE HOLE
RECONDITIONING AND THE POSSIBILITY OF STEEL IF NECESSARY
TO THE TOTAL DEPTH OF THE BOREHOLE. IF A PVC TEMPORARY
LINER IS USED FOR BOTH ECONOMIC & FUTURE EXTRACTION
IT SHOULD LAND TO 550' OF DEPTH OR PLUS OF THIS HORIZON
BASED ON THE LITHOLGY OF THE BOREHOLE. THE SHALES FROM

NOTEPAD

565 TO 700' MAY BE SQUEEZED IN THE BOREHOLE SINCE INITIAL DRILLING DEVELOPMENT. ONLY A FLUSH JOINT LINER OF 4.0- 4.5" WOULD BE USED , & WOULD BE NEGOTIATED FOR CONSTRUCTION COST @YOUR DECISION . [IT IS SUGGESTED THAT THIS IS NOT AN ECONOMICAL APPROACH AT THIS TIME]

THANK YOU,

TOM LEIGLAND / D&I DRILLING CO.

8:18 AM 9/12 2003