15-165-02001-0000

STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bitting Building
Wichita, Kansas

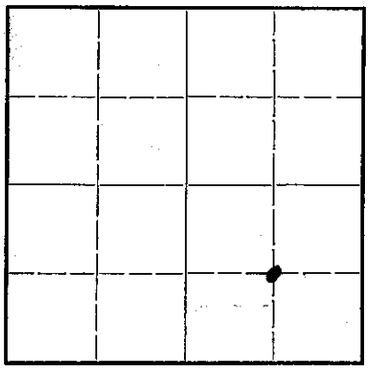
WELL PLUGGING RECORD

OR

FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging off formations.

NORTH



Locate well correctly on above Section Plat

Rush County. Sec. 9 Twp. 18 Rge. (E) 16 (W)

Location as "NE¼NW¼SW¼" or footage from lines Center SE¼

Lease Owner Northern Natural Gas Co

Lease Name Schmidt Well No. 1

Office Address Box 1310, Omaha, Nebraska

Character of Well (completed as Oil, Gas or Dry Hole) Gas well

Date well completed July 3, 19 36

Application for plugging filed June 22 19 46

Application for plugging approved By: H.W.Kerr. June 22 19 46

Plugging commenced June 24 19 46

Plugging completed July 4 19 46

Reason for abandonment of well or producing formation Dakota water broke thru production string.

If a producing well is abandoned, date of last production June 6 19 46

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Permission was obtained from Mr. H.W.Kerr

Name of Conservation Agent who supervised plugging of this well Mr. H.W.Kerr, Gt Bend, Kansas.

Producing formation Reagan Sand Depth to top 3490 Bottom 3498 Total Depth of Well 3534 Feet

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS — CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled Out
Sand	Water	410	625	20	94	94
Sandy Lime	Water	5105	5160	16 OD	405	None
Sand	Gas	3490	3498	13 OD	1007	None
				10	2357	2357
				8	3235	3235
				7	3473	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Inasmuch as, this well was flowing water thru the 7" casing showing that the casing was bad it was deemed inadvisable to try to salvage any of the casing in the hole. The 7" casing was cemented at the time of running with 40 sax of cement which filled up app 400 ft. The well had a casing packer set at 3317 ft on 2" tubing. The tubing was shot off at that point and the packer was drove down solid and a 4 ft lead wool plug set after which 10 sax of cement was dumped making a total of app 60 ft of plug in the hole from 3317 to 3257 which is well below the top of the cement around the 7" casing. A plug was pumped down the 7" casing and the hole found at 600 ft. We then started to pump cement in the 7" casing with the bradenheads on the 13" and 16" open. We pumped in 625 sax of cement without getting any returns. We let the well set several days while waiting on more cement. On opening the well up we found that the 7" was full of solid cement to about 50 ft of the top of the hole. However water still flowed from the connections on the 16" and 13" bradenheads. After getting more cement we started pumping cement this time thru the 13" brdenhead with the water flowing from the 16" bradenhead. After pumping app 475 sax of cement we got good heavy cement returns from the 16" bradenhead and shut it in. We then went ahead pumping cement and squeezing until we had put in about 90 more sax of cement, finishing up at 225# pressure. We then put the hose in the 7" and filled it to the top with cement. Thus we have the 7" casing full of cement down past 600 ft and the annulus between the 7" and 13" and the annulus between 13" and 16" full of cement. Beside the 10 sax of cement used in the bottom hole plug we pumped in a total of 1200 sax of cement.

(If additional description is necessary, use BACK of this sheet)

Correspondence regarding this well should be addressed to John M Hanley

Address Box 1310, Omaha, Nebraska.

9 18 16W
60 10

STATE OF Kansas, COUNTY OF Rush

J W Hanson (employee of owner) or (~~owner or operator~~) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) J W Hanson

(Address)

SUBSCRIBED AND SWORN TO before me this 6 day of July, 1946

Notary Public.

My commission expires May 9 - 1948

STATE CORPORATION COMMISSION JUL 11 1946 CONSERVATION DIVISION

7-11-46

21-871-s 9-45 6M

After cement had set 72 hours we went back and found that water was shut off in good shape but cement had settled about 75 ft between 13" and 7" pipe we then went back and pumped 28 sax of cement between those two strings filling them to the top.

J.W.Harman

15-165-02061-0000

JMH:LB 7-7-36

INTERSTATE PRODUCTION NO. 1 SCHMIDT

SE¼ SECTION 9-18-16, Rush County, Kansas

Started May 15, 1936
Completed July 3, 1936
Contractor Haskin Brothers
Altitude 1943
Production 5,600,00 cubic feet

Casing Record

20"	94
15½"	405
12½"	1007
10"	2357
8"	3255
7"	3473

Formation	Depth
Cellar	0 - 11
Soil	18
Sand	50
Shale	85
Blue Shale	100
Water Sand HFW	130
Brown Shale	140
Blue Shale	145
Red Shale	200
Red Shale	205
Blue Shale	210
Blue Shale	215
Blue Shale	220
Red Shale	230
Blue Shale	310
Blue Shale	325
Lime	330
Blue Shale	370
Blue Shale	390
Blue Shale	405
Blue Shale	410
Sand	460
Sand - Water Flowing	525
Red Rock	535
Red Shale	560
Sand - More Water	625
Red Shale	705
Red Shale	810
Red Shale	890
Red Shale	995
Lime -	1007
Lime	1020
Lime	1035
Red Shale	1210
Red Shale	1230
Blue Shale & Shells	1275
Brown Shale	1330
Blue Shale	1370
Blue Shale	1380
Lime	1400
Blue Shale	1425
Brown Shale	1445
Blue Salt	1500
Salt	1645
Salt	1705
Lime & Dark Shale	1770
Lime	1800
Red Shale	1805
Lime & Shale Breaks	1855
Red Rock	1860
Lime	1870
Lime - Show Gas 1870-75	1895
Light Shale - 3 BW	1900
Lime	1945
Lime	1965
Red Rock	1985
Lime	2000
Lime	2120
Red Shale	2125
Lime	2155
Blue Shale	2140
Lime-	2170
Blue Shale	2185
Lime	2190
Brown Shale	2195
Lime	2225
Lime	2240
Brown Shale	2250
Lime	2260
Lime & Shale	2315
Red Rock	2325
Lime	2330
Red Rock	2335
Lime	2364
Lime	2410
Red Rock & Blue Shale	2420
Lime	2425
Lime & Shale Breaks	2440

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Formation	Depth
Lime - 1/4 BW	2480
Blue Shale & Shells	2500
Lime & Blue Shale Brks.	2570
Lime & Shale Breaks	2635
Blue Shale	2660
Lime	2675
Blue Shale	2695
Lime & Shale	2810
Brown Shale	2815
Blue Shale & Shells	2870
Lime	2885
Blue Shale & Shells	2905
Lime	2935
Light Shale	2945
Lime & Blue Shale	2995
Sand Lime - 1 BW	3010
Lime & Shale	3075
Lime & Shale Breaks	3100
Light Shale	3105
Sandy Lime - 3 BW	3160
Lime & Shale Breaks	3200
Lime & Shale Breaks	3225
Brown Shale	3235
Blue Shale	3250
Lime	3255
Lime & Blue Shale Brks.	3260
White Sandy Lime	3275
Lime & Shale	3290
Brown Shale	3295
Dark Lime	3305
Dark Lime-1 BW 3350-60	3345
Sandy Lime	3400
Lime	3455
Red Shale	3460
Lime	3465
Shale Blue & Shells	3475
Gas Sand	3474
Sandy Lime	3483
Lime & Blue Shale Brks.	3486
Brown Shale	3488
Blue Shale	3490
Gas Sand	3493
Gas Sand	3498
Hard Lime	3506
Brown Lime - Mica	3506
Quartzite - Mica	3511
Quartzite - Black & White Mica & rose colored quartz	3520
Quartzite - Black & White Mica & more rose colored quartz	3524
Quartzite - Mica & quartz	3534
Quartzite - rose colored quartz & black & white mica	3545
Quartzite - rose colored quartz & black & white mica	3559
Total Depth	3559