

11/17/82
1982
WILSON & DOMINICK
NOVEMBER 22, 1982

GEOLOGICAL WELL REPORT
Brunson Production, Inc.
#2 Willems SE NW NW
Section 34-T21S-R.3W.,
Hollow-Nikkel Area, McPherson
County, Kansas
Contractor: Blackstone Drilling, Inc.
Spud: November 9, 1982
8 5/8" Surface Casing @ 326'
5 1/2" Production Casing @ 3512'
Rotary Completion: Nov. 16, 1982
Total Depth: 3515'

BRUNSON PRODUCTION, INC.
Corporate Place Suite 200
125 N. Emporia
Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geologic tops, an evaluation of the porosities encountered and a record of all tests made at the captioned well.

I arrived at the location at a depth of 3135' and witnessed the drilling from that point to TD 3515. Samples were examined from 3100-3515 TD. The hole was not logged mechanically before being cased but logging is planned before completion is attempted. Two drill stem tests were taken, results enclosed.

Enclosed herewith is a copy of the plotted drilling time log which also includes lithology, porous zones, tops, tests and other pertinent data.

SAMPLE TOPS

ELEVATION: 1435 KB

MISSISSIPPIAN CHERT 3117 (-1682)

3119-26 Chert, white tripolitic and white vitreous. Scattered good cavernous porosity in tripolitic chert and scattered oil staining, fair odor, no free oil.

DRILL STEM TEST #1 3095-3135

30" @ 30" - 60" - 45"

Strong blow immediately. Max. gauge 59 MCF, Stabilized at 41 MCF.

Recovered: 285 feet of fluid including 190 feet of heavily oil and gas cut mud, 60 feet as above plus show of water and 25 feet free oil

IFP 98#-157#
ISIP 781#

FFF 98#-176#
FSIP 742#

GEOLOGICAL REPORT
BRUNSON PRODUCTION, INC.
#2 Willems - McPherson Co., KS

-2-

November 22, 1982

MISSISSIPPIAN CHERT (Continued)

3136-47 Chert, white tripolitic, scattered buff, sucrosic dolomite. Fair porosity, no show.

3156-89 Chert - white, tripolitic and vitreous. Some flaky, finely crystalline limestone. Scattered buff, sucrosic dolomite. Zones of good porosity, no show.

KINDERHOOK SHALE 3341 (-1906)

MISENER SANDSTONE 3466-68

HUNTON 3468 (-2033)

3468-76 Dolomite, tan, coarsely crystalline to brown, finely crystalline. Excellent coarse cavernous porosity with good staining and odor. No free oil.

DRILL STEM TEST #2 3470-85

30" - 30" - 60" - 45"

Strong blow from start continuing through first open period.

Blow decreasing to very weak at end of test.

Recovered: 2505 feet of fluid including 190 feet of slightly oil cut muddy water;
240 feet of almost clear water with oil specks.
Reversed out 2075 feet of oil specked water.

IPP 20# - 986# PPP 986#-1147#

ISIP 1147#/30 mins. FSIP 1147#/45 mins.

MAQUOKETA 3476 (-2041)

TOTAL DEPTH: 3515

Conclusions & Recommendations

This well checks 13 feet lower than your #1 well to the northwest 1/4 mile on the top of the Hunton and yielded a hole full of water from that horizon having probably been drained from adjacent producers.

At the Mississippian Chert, this well checks 18 feet lower than the #1 well but yielded sufficient oil and gas on drill stem test to warrant casing to test. On a log comparison of the #1 and #2 wells, the Mississippian porosity development is similar in each well.

Yours very truly,

T. G. Wright

TGW:wlf

DRILLING PROGRESS

11/9/82	Spud
11/10	320
11/11	1690
11/12	2815
11/13	3135
11/14	3340
11/15	3485
11/16	3515 TD WOC 5 1/2"

BIT RECORD

SMITH	DTJ (Retip)	226 - 885
SECURITY	M 89	885 -1415
SMITH	F 2	1415 -3135
SECURITY	M 84	3135 -3515 TD

HALLIBURTON SERVICES
JOB LOG

WELL NO. #2 LEASE WILLENS TICKET NO. 02-9929

CUSTOMER BRUNSON Production Tools

PAGE NO.

JOB TYPE DHF #2 Hunter

DATE 11-15-82

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							Called out for job
	2215							Out of yard
	0035							ON Loc. Drill Pipe on bank
	0052							make up tool
	1329							Tool in Rig Table
	0244							Tool on Bottom
	0250							Tool OPEN (30 min) Instant Strong Blow
	0257							Blow off Bottom of Bucket Strong -
	0320							CLOSE IN - (30 min)
	0350							OPEN Tool - (60 min) Instant Blow - off Bottom of Bucket - Tool building -
	0401							Very weak Blow in bucket - Ice in blow hose - do have Fair blow and bottom of bucket - building -
	0449							Decrease in blow in bucket - dead at 2" in bucket - on Dec.
	0449							Very weak blow on top of bucket
	0450							Close Tool in (45 mins)
	0703							Drop bnr to circ. out. see Recovery
								Recovery: 2505 ft. Fluid
								Slight oil cut Muddy water 190 ft
								Almost clear water - oil spots - 240'
								Rev. out 2075 ft - H2O - Oil spots -
								IHMP - 1792.0
								IFP 20.2
								FFP 996.0
								FCIP 1146.9
								IFP 986
								FFP 1146.9
								SCIP 1146.9
								FHMP 1751.6
								TEMP 110°
								1505 1496 1491

CUSTOMER

HALLIBURTON SERVICES

WELL NO.

2

LEASE WILLEMS

TICKET NO.

541871

JOB LOG

TORT WRIGHT - GEGESEN

FORM 2013 R-2 MISSISSIPPI

CUSTOMER

BRUNSON PRODUCTION, INC.

PAGE NO.

卷之三

100 例

OPEN HOLE DUAL PACKER; DST #1

DATE.

11-12-82

JOHN TYPE.

Digitized by srujanika@gmail.com

THE PROBLEMS OF SPANNING, BOUNDARY, AND INTERNAL

Digitized by srujanika@gmail.com

CUSTOMER