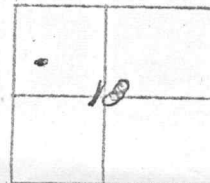


REPORT OF RUNNING AND CEMENTING CASING

LEASE Bedard WELL NO. 2 DATE 1-12 1964
 LOCATION Approx N 1/2 Sec 18 SEC. 18 TWP. R RGE. 18 COUNTY Rooks
 ELEVATION (R.R.) 2077 TOP OF PAY 3495
 PIPE TRANSFERRED TO WELL (110 JTS.) (3530.70 FT.) FROM National Supply - Morganstern
Inspector & Bedard #1
 PIPE IN HOLE (Overall msms. less landing jt.) 110 JTS. 3530.70 FT.
 PIPE LEFT OVER (To be transferred from well) 0 JTS. 0 FT.
 PIPE CHARGEABLE TO WELL (Overall msms.) ~~3530.70~~ 110 JTS. 3530.70 FT.
 PIPE SET AT (Distance from R.R. to bottom of shoe) 3497 = 6 ft oss bottom
 SIZE 5 1/2 WEIGHT 14 # THREAD 8rd
 RANGE 2 GRADE J 55 MAKE Republic
 LENGTH OF FLOAT EQUIPM. (Overall) SHOE 2.80' FLOAT COLLAR _____
 TYPE AND MAKE, SHOE Haliburton Packer shoe FLOAT COLLAR passle ring
 CEMENTED WITH 125 SACKS OF Salt Saturated Poz CEMENT.
 CEMENTED BY Haliburton CO., PLUG TO (from R.R.) 3461

LENGTH OF SHOE JOINT (overall) 35.96'
 DISTANCE FROM R.R. DOWN TO TOP OF BRADEN HEAD (Zero Point) 6.24'
 REMARKS: Centralizer Pts. 3468' - 3412' - 3344' - 3275' - 1467'
basket 1470'
Plug down @ 10:00 A.M. 1-12-64

Set 1422.55 yellow wra/ + 2108.15 J 55
Overall meas.



D & D DRILLING COMPANY, INC.

BY: [Signature]

NOTE

All msms. to be made in
ft. and hundredths.

TREATMENT REPORT
DWL-494-F PRINTED IN U.S.A.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

DATE
JAN. 17, 1964

WELL NAME AND NUMBER BEDARD #2	LOCATION Sec 18-9^E 18^W	CUSTOMER REPRESENTATIVE Bud Weirich	TREATMENT NUMBER 3-12-3023
POOL SE BERRY	FORMATION ARBuckle	JOB DONE DOWN TUBING ☐ A ☒ B ☐ C	ALLOWABLE PRESSURE T.B.G. — CSG 300
COUNTY ROOKS	STATE KANSAS	TYPE OF WELL OIL ☒ A GAS ☐ B WATER ☐ C INJ. ☐ D	AGE OF WELL NEW WELL ☒ A REWORK ☐ B
TYPE OF SERVICE ACIDIZING		TOTAL DEPTH 3503'	CIRC. BHT. —
CUST. NAME D & D Drilling Company, Inc		CASING SIZE 5 1/4" 14	CASING DEPTH 3497'
ADDRESS 308 SCHWEITZER BUILDING		TUBING SIZE NONE	TUBING DEPTH —
		LINER SIZE NONE	LINER DEPTH —
		PACKER TYPE NONE	PACKER DEPTH —
		OPEN HOLE 7 7/8"	CSG. OR ANRL. VOL. 86 BBLs
		T.B.G. VOLUME —	STATIC BHT. 95°
CITY AND STATE WICHITA, KANSAS		PERFORATED INTERVALS	
REMARKS:		DEPTH	NO. OF HOLES
		DEPTH	NO. OF HOLES
		DEPTH	NO. OF HOLES

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: **5:00 AM**

TIME	INJECTION		PRESSURE		SERVICE		(C) PROPPING AGENT OR (D) PLUGGING SERVICE			
	RATE	BBLs IN	CSG	—	LIQUID (A)	PURPOSE	FLA.—CONC.	TYPE	SIZE	CONC.
5:30	—	—	0	—	XXM38	ACIDIZE	CSG SUBMERGED DOWN - START 250			
5:33	2.0	6	0	—	OIL	FLUSH	XXM38 INTO CASING			
6:02	—	—	—	—	—	—	ACID IN - SHUTDOWN FOR FLUSH			
6:24	3.5	86	200	—	OIL	LOAD	START OIL TO LOAD CASING			
6:30	.10	86 3/4	200	—	OIL	FLUSH	CSG LOADED - START ACID DISPLACEMENT			
6:40	.10	87 3/4	200	—	OIL	FLUSH	3/4 BBLs ACID IN FR - PUMPING INTERMITTENTLY			
6:50	.12	89	200	—	OIL	FLUSH	1 3/4 " " " " " "			
7:00	.075	94 3/4	200	—	OIL	FLUSH	3 " " " " " "			
7:10	.10	90 3/4	250	—	OIL	FLUSH	4 3/4 " " " " " "			
7:25	.03	92	250	—	OIL	FLUSH	6 BBLs DISPLACED - SHUTDOWN			
7:26	—	—	150	—	—	—	1 minute pressure drop			
7:30	—	—	0	—	—	—	5 " " " " " "			

TIME LEFT LOCATION 8:00 PM	AV. LIQUID INJ. RATE .10 Bpm	ADJ. INJ. RATE (SOLIDS INC.) —	PROPS AND LIQUIDS INJECTED	
MAX. PRESSURE 250 PSIG	AV. PRESSURE 200 PSIG	SHUT IN PRESSURE IMMEDIATE 15 MINUTE	TYPE XXM38	SIZE OR PURPOSE ACIDIZE
DOWELL LOCATION HAYS, KANSAS		DOWELL ENGINEER H. G. JAPP	AMOUNT 250 Gals.	

(A) NOTE: SEE (AA) FOR SPECIAL ADDITIVES

MA—MUD ACID
X—HCL ACID
APF—ACID PETROFRAC
FA—FRAC ACID
BDA—BREAKDOWN ACID
LO—LEASE OIL
RO—REFINED OIL
DO—DIESEL OIL
KE—KEROSENE
PJ—PETROJEL
PF—PETROFRAC
FW—FRESH WATER
BR—BRINEWF—WATERFRAC
M41—M41 GEL
ST—STRATAFRAC
VR—VERSENE
SSS—TRIPLE S ACID
SLW—SLICK WATER
SLO—SLICK OIL
MUD—DRILLING MUD
RX1—RETARDED ACID I
RX2—RETARDED ACID II
RX3—RETARDED ACID III

(AA) ADDITIVES IN FLUID (EXCEPT FLA*)

CONC. IS GIVEN IN LBS. OF
GALS. PER 1000 GALS. OF
TOTAL GALS.

TYPE TREATED CONC.

(B) CONC. IS GIVEN IN LBS. OR
GALS. PER 1000 GALS. OF
LIQUIDJ97—DOWELL J97
J101—DOWELL J101
J84—DOWELL J84
J98—DOWELL J98
J99—DOWELL J99(C) SIZE IS GIVEN IN MESH
RANGE CONC. IS GIVEN IN
LBS. PER GALLON OF LIQUIDS—SAND
WS—WALNUT SHELLS
AL—ALUMINUM
NY—NYLON(D)
FF—X830 FIXAFRAC
KJ—X820 GEL
DO—GELLED OIL
DW—GELLED WATER
RB—RUBBER BALLS
NCB—NYLON CORE BALLS
PB—PERMEABLE BALLS
MB—MOTH BALLS
RS—ROCK SALT
OS—OYSTER SHELLS

DATE JAN 17 1964	CUSTOMER REP. CONTACTED	CUSTOMER CONSENTED SERVICE	SATISFACTORY UNSATISFACTORY UNKNOWN	PROD. BEFORE TREATMENT TEST	PROD. AFTER TREATMENT ALLOWABLE JAN 17 1964 ALLOWABLE
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TREATMENT REPORT

DWL-494.F PRINTED IN U.S.A.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

DATE

APR 11 1966

WELL NAME AND NUMBER

BEDARD #2

LOCATION

18-95-18W

CUSTOMER REPRESENTATIVE

BUD WENRICH

TREATMENT NUMBER

3-12-4505

POOL

BARRY S.E.

FORMATION

ARBUCKLE

JOB DONE DOWN

TUBING Casing Annulus

A ☒ B ☐ C ☐

ALLOWABLE PRESSURE

TGB: CSG:

COUNTY

ROOKS

STATE

KANSAS

TYPE OF WELL

OIL GAS

A ☒ B ☐

WATER

C ☐

INJ.

D ☐

TYPE OF SERVICE

ACID

AGE OF WELL

NEW WELL Rework

A ☐ B ☒

TOTAL DEPTH

3503

CIRC. BHT.

CASING SIZE

8 5/8

CASING DEPTH

3497

TUBING SIZE

2 3/8

TUBING DEPTH

LINER SIZE

12

LINER DEPTH

13

PACKER TYPE

Howco

PACKER DEPTH

3468

OPEN HOLE

16

CSG. OR ANRL. VOL.

17

TGB VOLUME

18 21

STATIC BHT

19

PERFORATED INTERVALS

DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES

CITY AND STATE

REMARKS:

FOR CONVERSION PURPOSES 24 BBLS EQUALS 1000 GALLONS

ARRIVED ON LOCATION: 3:30 PM

TIME	INJECTION		PRESSURE		SERVICE		(C) PROPPING AGENT OR (D) PLUGGING SERVICE			
	RATE	BBLS IN	TGB		LIQUID (A)	PURPOSE	FLA—CONC.	TYPE	SIZE	CONC. AMOUNT
4:23					MIX 100 = J145	IN U.F. 80 W/400 # SALT		START	7581 J145	
4:25		7			J145	TEMP. PLUG		START	J145 PLUG	
4:29		19			J145	ACIDIZE		START	ACID	
4:32		28						J145 TO BOTTOM		
4:33		32	500					4881 J145 DISPLACED		
4:36								(CLOCK DID NOT) START CLOCK		
4:37			1050							
4:40		40	1100					J145 PLUG DISPLACED		
4:45	.6	43	800							
4:50	3.6	60	600		611	FLUSH		START FLUSH		
5:00	2.1	81	1300		(HEAVY OIL)			21 BBL FLUSH IN		
5:06	1.3	89	1300					29 BBL FLUSH IN		
			450		IMMEDIATE DROP					
5:07			400		PRESSURE DROP					
5:12			350							
5:17			300							
5:26			200							
5:30			VACUUM							

TIME LEFT LOCATION

6:00 PM

AVER. LIQUID INJ. RATE

1.9

ADJ. INJ. RATE (SOLIDS INC.)

PROPS AND LIQUIDS INJECTED

TYPE	SIZE OR PURPOSE	AMOUNT
J145	ACIDIZE	2000 GAL
J145		100
J111		40
SALT		400

MAX. PRESSURE

1300

AVER. PRESSURE

450

SHUT IN PRESSURE

15 MINUTE

DOWELL LOCATION

HAYS, KANSAS

DOWELL ENGINEER

J. A. B. 200

(A) NOTE: SEE (AA) FOR SPECIAL ADDITIVES

MA—MUD ACID
X—HCL ACID
APF—ACID PETROFRAC
FA—FRAC ACID
BDA—BREAKDOWN ACID
LO—LEASE OIL
RO—REFINED OIL
DO—DIESEL OIL
KE—KEROSENE
PJ—PETROJEL
PF—PETROFRAC
FW—FRESH WATER
BR—BRINE

WF—WATERFRAC
M41—M41 GEL
ST—STRATAFRAC
VR—VERSENE
SSS—TRIPLE S ACID
SLW—SLICK WATER
SLO—SLICK OIL
MUD—DRILLING MUD
RX1—RETARDED ACID I
RX2—RETARDED ACID II
RX3—RETARDED ACID III

(AA) ADDITIVES IN FLUID (EXCEPT FLA*)

CONC. IS GIVEN IN LBS. OR GALS. PER 1000 GALS. OF

TOTAL GALS.

TYPE TREATED CONC.

(B) CONC. IS GIVEN IN LBS. OR GALS. PER 1000 GALS. OF LIQUID

J97—DOWELL J97

J101—DOWELL J101

J84—DOWELL J84

J98—DOWELL J98

J99—DOWELL J99

(C) SIZE IS GIVEN IN MESH RANGE CONC. IS GIVEN IN LBS. PER GALLON OF LIQUID

S—SAND

WS—WALNUT SHELLS

AL—ALUMINUM

NY—NYLON

(D)

FF—X830 FIXAFRAC

KJ—X820 GEL

DO—GELLED OIL

DW—GELLED WATER

RB—RUBBER BALLS

NCB—NYLON CORE BALLS

PB—PERMEABLE BALLS

MB—MOTH BALLS

RS—ROCK SALT

OS—OYSTER SHELLS

DATE

CUSTOMER REP. CONTACTED

CUSTOMER

SATISFACTORY

PROD. BEFORE TREATMENT

TEST

PROD. AFTER TREATMENT

TEST

ALLOWABLE

ALLOWABLE