

STATE OF KANSAS
 STATE CORPORATION COMMISSION
 200 COLORADO DERBY BUILDING
 WICHITA, KANSAS 67202

WELL PLUGGING RECORD

API NUMBER 1516900490-0001
 None
 COUNTY Saline
 LEASE NAME Frost WELL# 4
 SPOT LOCATION NE SW
 SEC. 25 TWP. 15 RGE. 4 (X)OR(W)

PLEASE FILL OUT COMPLETELY
 AND MAKE REQUIRED AFFIDAVIT.
 TYPE OR PRINT

LEASE OPERATOR Gear Petroleum Co., Inc.

PHONE #() 316 265 3351

OPERATORS LICENSE NO. 5151

CHARACTER OF WELL Oil (OIL) GAS, D&A, SWD, INPUT, WATER SUPPLY WELL

DATE WELL COMPLETED 9/25/83 PLUGGING COMMENCED 7/13/83

PLUGGING COMPLETED 7/13/83 REASON FOR ABANDONMENT OF WELL OR PRODUCING FORMATION- Maquoketa - uneconomic

DID YOU NOTIFY THE KCC/KDHE JOINT DISTRICT OFFICE PRIOR TO PLUGGING THIS WELL? Yes

WHICH KCC/KDHE JOINT OFFICE DID YOU NOTIFY? Gilbert Toman

IS ACO-1 FILED? No IF NOT, IS WELL LOG ATTACHED? yes

PRODUCING FORMATION Maquoketa m DEPTH TO TOP 3415 BOTTOM 17 T.D. 3466

SHOW DEPTH AND THICKNESS OF ALL WATER, OIL AND GAS FORMATIONS.

OIL, GAS OR WATER RECORDS 1 CASING RECORD 1

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Maquoketa	oil	3415	17	10 3/4	330	None
				7	3454	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 EACH SET. Rock bridge in 7" at 714'. Fill to surface with ready mix. Pump 75 sx pozmix in annulus between 10 3/4 and 7"

(IF ADDITIONAL DESCRIPTION IS NECESSARY, USE BACK OF THIS FORM.)

NAME OF PLUGGING CONTRACTOR Gear Petroleum Co., Inc. LICENSE No. 5151
 ADDRESS 300 Sutton Place, Wichita, Kansas 67202

STATE OF Kansas COUNTY OF Sedgwick, SS.

Jim Thatcher, Drilling & Production Mgr (EMPLOYEE OF OPERATOR) OR (OPERATOR) OF 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 THAT THE SAME ARE TRUE AND CORRECT SO HELP ME GOD.

(SIGNATURE) Jim Thatcher
 (ADDRESS) 300 Sutton Pl, Wichita, KS 67202

SUBSCRIBED AND SWORN TO BEFORE ME THIS 31st DAY OF August, 19 83

Helen L. Coyer
 NOTARY PUBLIC
 Helen L. Coyer

MY COMMISSION EXPIRES: April 1, 1983

RECEIVED
 STATE CORPORATION COMMISSION
 SEP 22 1983
 CONSERVATION DIVISION
 Wichita, Kansas

HELEN L. COYER
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appl. Exp. 4-1-86

FORM CP-4
 REVISED 06-83

R.F. Maden

15-169-00 490-0001

REPUBLIC NATURAL GAS COMPANY
INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT

WELL NO. 4 LEASE Frost LOCATION 990' from E. line
990' from N. line of
ELEVATION: SW/4 Sec. 25-15-4W

FIELD Smolan COUNTY Saline STATE Kansas

DATE HISTORY

Page #2

5-26-53 Released cable tools.

6-3-53 Moved in rotary unit. Gabbert and Jones Drilling Co.

6-4-53 Cut off 6-5/8" casing at 2900' with McCullough jet casing cutter.

6-4-53 Pulled 6-5/8" casing, recovered approximately 2900'.

6-5-53 Set cement plug to start whipstock, 50 sks. regular cement, no fillup.

6-7-53 Set cement plug to start whipstock, 100 sks. regular, 10 sks. Ottawa sand.

6-10-53 Started whipstock hole.

6-18-53 Drilled to 3454' total depth.

6-18-53 Ran 3454' of 7" 20# casing, cemented w/185 sks. volume (95 sks. cement, 23 sks. Strata Crete 4% gel). Temperature survey indicated top of cement at 2758'. Released rotary.

6-20-53 Moved in cable tools. Contractor - Arrow Well Service.

6-21-53 Bailed hole down.

6-21-53 Ran Gamma Ray log with collar locator, Schlumberger.

6-21-53 Perforated from 3415 to 3417', 10 shots. Trace of oil.

6-21-53 Acid Job #1, acidized with 1000 gallons XX F-32, Dowell. Maximum Pressure 1000# Job completed on vacuum.

6-22-53 Bailer test, 33 gals. oil/hr and 33 gals water/hr. Released cable tools.

7-20-53 Initial State Potential
30 BOPD, 40% water

9-25-53 Present Production
25 BOPD, 10 BWP

10-28-53

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STATE CORPORATION COMMISSION
AUG 04 1982
CONSERVATION DIVISION
Wichita, Kansas

FROST #4
CORRECT

L.H. Walters Jr
ENGINEER
PAGE #2

APPROVED *P.B. Horst*
SUPERINTENDENT

REPUBLIC NATURAL GAS COMPANY
INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT

WELL NO. 6 LEASE Frost LOCATION 990' from E. line
990' from N. line of
SW/4 Section 25-25-4W

ELEVATION:

1300' K.B.
 BH to KB - 6.6'

FIELD Smolan COUNTY Saline STATE Kansas

	DATE	HISTORY
	4-27-53	Spudded. Contractor - E. K. Carey.
	4-27-53	Drilled 11" hole to 120'.
	4-28-53	Reamed 11" hole to 19 1/4" to 120'. Ran 120' of 15 1/2" OD casing. Drilled 9" hole to 245'. Reamed 9" hole to 13-3/4" to 245'. Lost circulation at 245', mixed lost circulation material, set bridge, cemented 15 1/2" OD casing w/75 sks. cement, 19 sks. Strata Crete 2% gel, 150# c.c. Cement circulated.
	4-29-53	Drilled 9" hole to 330'. Reamed 9" hole to 13-3/4" to 330'. Ran 8 jts. of 10-3/4" OD 32.75# 8rd Ygst casing, cemented w/80 sks Pozmix, 10 sks regular cement, 12 sks Strata Crete, 100# c.c. 2% gel.
	4-30-53	Ran 1" pipe to 240' to form bridge, mixed 5 sks Cal Seal, 7 sks cement, 1 sk. hulls, would not bridge. Mixed 5 sks. Cal Seal, 7 sks cement, would not bridge. Mixed 5 sks. Cal Seal, 7 sks cement, would not bridge. Mixed 5 sks Cal Seal, 7 sks. cement, 4 sks Cal Seal, 4 sks cement, 25# Flocele, bridge held. Cemented to surface through 1" pipe with 75 sks. Pozmix, 19 sks. Strata Crete, 100# c.c. 2% gel.
	5-2-53	Lost circulation at 376'. Tried to cement off with 90 sks. regular cement, 200# c.c., lost cement in lost circulation zone. Mixed 100 sks. regular cement, 200# c.c. Pressured up to 200#, left 152' cement in pipe.
3412	5-13-53	Mixed 100 bbls. oil in mud at 3250'.
3415	5-14-53	Drilled 7-7/8" hole to 3456'.
3412	5-15-53	Ran Schlumberger Gamma Ray Laterlog, Microlog and Microlaterlog.
3430	5-15-53	D.S.T. #1, 3413 to 3418', open 1 hour, shut in 20 minutes. Opened tool with weak blow, weak and steady throughout test. Recovered 35' slightly oil cut mud. B.H. P. 240#.
3450	5-15-53	Ran 72 jts 6-5/8" OD 17.02# casing, 3 jts 7" OD 20# 8rd casing, swage nipple, 3 Weatherford centralizers, 12 scratchers.
3450	5-16-53	Cemented 6-5/8" casing with 50 sks. regular cement, 19.5 sks Strata Crete, 4% gel. Cemented rat hole with 20 sks. regular cement.
3450	5-18-53	Moved in-cable tools. Contractor - Arrow Well-Service.
3450	5-19-53	Swabbing hole down stuck swab at approximately 3100'. Recovered swab.
3450	5-21-53	Ran tools to 3050', solid bottom. Ran caliper survey, attempted to swedge out collapsed pipe, unsuccessful.

FROST #6

CORRECT

L.A. Walters Jr

ENGINEER

PAGE #1

APPROVED

AUG 04 1982

SUPERINTENDENT
 CONSERVATION DIVISION
 WICHITA, KANSAS

RECEIVED
 STATE CORPORATION COMMISSION

J. J. ...

REPUBLIC NATURAL GAS COMPANY
INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT

WELL NO. 4 LEASE Frost LOCATION 990' from E. line
990' from N. line of
SW/4 Sec. 25-15-41

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10-28-53

*NO OTHER LOGS AVAILABLE