

N. M. O. C. C. COPY

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Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-1372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Barbara-Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Parish Ranch Upper Penn.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

18-19S-25E

12. COUNTY OR PARISH

Eddy

13. STATE

N. M.

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

RECEIVED

2. NAME OF OPERATOR

Roger C. Hanks

3. ADDRESS OF OPERATOR

2100 Wilco Bldg. Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface

1980' FWL & 1980' FSL

OCT 12 1973
O. C. C.
ARTESIA, OFFICE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3553' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

Vernon Vinyard

TITLE

Production Clerk

DATE 10/9/73

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

APPROVED
OCT 11 1973
L. BEEKMAN
DISTRICT ENGINEER

BARBARA FEDERAL #2

6/20/73

Rig up pulling unit. Run cor. log. Log tool not working (Western Co.). Pull logging tool and change out. Run 276' of tail pipe, Baker Model R packer seating nipple. Run tubing to 7920'. Circ. with 152 bbls fresh water. Spot 250 gal. 15% DS 30 acid, pull 5 stands of tubing. set packer @ 7320', tailpipe @ 7608'. Perf. 7864-7868, elect. log measurement with tubing gun - 4shots per foot. Shut well in for night.

6/21/73

Well on slight vac. Fluid level at 200' from surface. Hook up pump truck, press. csg. to 600#, pump down tubing. Press. up slowly, press increased to 3600. Shut down. vac in 19 min. Shut in for 1 hr., start to swab, swab water to pit. Getting acid with oil mixed in, shut down 1 hr., fluid level then, shut down 3500' after 1 hr., fluid level 3500'. Getting oil 50% emulsions 50%, no free water, good blow with swab. Fluid scattered up and down hole, shut well in 2 hrs. press. 350#

6/22/73

Tubing press. after 14 hrs., shut in 875#, open well up, fluid to surface 2 to 3 min., blowed for 1 hr. Run swab fluid level @ 5300' from surface, swabbing oil and emulsions 50% oil, unseat packer, run 5 stands of tubing out of derrick. Pump 140 bbls. fresh water down casing, swab, swabbing water, swabbing water oil, and emulsions. Well staring to clean up some, casing press. @ 7:30 p.m. 150# while swabbing.

6/23/73

Tubing 200#, casing 900#, bleed well down and run swab, 1st run mostly oil, some emulsions. 2nd run water & emulsions. 3rd run black water then clean water, some oil. 4th run mostly oil. Circ. hole with fresh water, pump 31 bbls. 15% DE 30 acid, pick up and set packer, pumped 17 bbls. acid and 47 bbls. water. Max. press. 2400#, avg. 2200, Avg. 1 B.P.M., ISDP 1250#, Vac. in 6 min. Shut well in for 3 hrs.

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THE WESTERN COMPANY

Form PS-8 (Rev. 11-66)

"Engineered Well Services"

GENERAL OFFICES - FORT WORTH, TEXAS

TREATMENT REPORT



DATE: 6-23-73 Field Receipt No. 70982 Stage No. 1
Western District Hobbs, New Mexico

Operator Roger C. Hanks Lease Barbara Fed. Well No. 2
Field Dagger Draw Location 23-20S-24E County Eddy State New Mex

WELL DATA:
New Well X Old Well _____ Depth TD PB 7900 Formation Cisco
Size Tubing 2-3/8" Tubing Perf. 7700 Type Packer Baker Set At 7700
Size Casing 5 1/2" Wt. 17# Set From Surface To 7900
Size Liner _____ Wt. _____ Set From _____ To _____
Open Hole: Size _____ From _____ To _____
Casing Perfs: Size _____ No. Per Ft. _____ Intervals 7864-68

Previous Treatment None Prior Production None

TREATMENT DATA:
Hole Loaded With Water
Treating Fluid 2250 gallons DS-30
Propping Agent _____
Auxiliary Materials _____
Bolt Sealers: _____ in _____ Stages of _____
HMP Used 1- Acidmaster
Procedure Spotted 250 gals. & perf; treat w/2000 gals DS-30
via tubing. Flush w/water

CAPACITIES & FLUID PUM
Tubing Cap. 3057
Casing Cap. .40
Annular Cap. _____
Open Hole Cap. _____
Fluid to Load _____
Pad Volume _____
Treating Fluid 48
Flush 31
Overflush 14
Total to Recover 93

Time AM PM	Treating Pressure - Psi		Bbl Fluid Pumped	Inj. Rate BPM	REMARKS -
	Tubing	Casing			
					Spotted 250 & broke formation on 6-20-73 6-24-73
9:50					Start water to load hole
10:31	1400				Start acid to spot
10:40	2000				Acid on spot, shut down; set packer
10:50	2100				Start pump & break down
10:51	1800				Formation taking fluid @ 1800
10:55	2100				Speed pump
11:01	2100		48	.6	All acid; start flush
11:10	2200				
11:15	2400				
11:33	2400		93	1.4	All flush; treatment complete

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Treating Pressure: Min. 1800 Max. 2400 Avg. 2200
Inj. Rate On Treating Fluid .6
Inj. Rate On Flush 1.4
Avg. Inj. Rate 1.0
I.S.D.P. 1250 Type Fluid Water
Final Shut-in Pressure Vacuum in 6 min.
Operator Maximum Pressure 3000

Customer Representative Mr. Cone
Western Representative Chuck Wheeler
Distribution 3cc- 2100 Wlico Bldg., Midland
1cc- Hobbs District Office