

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN (Other Instr. or on reverse side)

Form approved.
Budget Bureau No. 42 R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM 0560353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mabel Hale Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Benson-Bone Spring

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

Sec. 11-19S-30E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Completion

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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 notes pertinent to this work.)*

T.D. 8,940'

11/5/84: Rigged up pulling unit. Cut off 4½" csg & installed tbh head & BOP. Ran 3-3/4" bit on 2-3/8" OD, N-80, tbh. Tagged PBTD @ 8,871.22' KBM. Circ. hole w/150 bbls. 2% KCL fresh water.

11/6/84: POH w/tbh & bit. Ran CBL & GR/collar log from 8,860'-6,000'. Ran 3-1/8" csg gun w/12 gram charges, 0.50" dia. holes, 14" penetration. Perforated from 8,808' to 8,832' w/25 holes (1-SPF). Ran 1 jt tbh as tailpipe beneath 4½" Retrieve-o-matic packer w/S.N. on top on 2-3/8" tbh. Set pkr @ 8,752' w/tailpipe @ 8,781'.

11/7/84: RU swab. Swabbed 4 hrs, recovered 35 BW, no gas or oil. Acidized perfs. 8,808' to 8,832' w/3,000 gals. 15% HCL, additives & 50 7/8" ball sealers. Formation broke @ 2,600 psi. Treated @ avg. pressure of 3,010 psi @ avg. rate 2.8 BPM. ISIP 1,500 psi, 30 min. SIP 1,350 psi. Total load to recover: 168 bbls. Opened well, flowed back 1½ bbls. in 30 min. & died.

11/8/84: Swabbed, recovered 40 BW & show of gas. 124 bbls. underload.

11/9/84: Swabbed, last run fluid cutting 45% oil, had gas while pulling swab, would die in 20 min. after swab was out of hole. 112 bbls. underload.

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

(Cont.)

SIGNED

TITLE Ass't. to Gen. Supt.

DATE 12-7-84

(This space for Federal or State Office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DEC 10 1984

Carlsbad, AREA CO

*See Instructions on Reverse Side

Instructions

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE*
(Other Instr. on reverse side)Form approved.
Budget Bureau No. 42 R1424.
5. LEASE DESIGNATION AND SERIAL NO.

2.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Great Western Drilling Company ✓		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR		8. FARM OR LEASE NAME Mabel Hale Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		9. WELL NO. 3	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT	
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		12. COUNTY OR PARISH	
		13. STATE	

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

ABANDON OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANN

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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 known points pertinent to this work.)*

11/10/84: Swabbed 1 hr & recovered 11 bbls. fluid, last swab run cutting 6% oil. 101 bbls. underload. Treated matrix for mud removable w/3,600 gals. 15% HCL containing 500 SCF nitrogen per bbl. & 50 7/8" ball sealers, treated same zone 8,808'-8,832'. Avg. treating pressure 3,230 psi @ an avg. rate 2.3 BPM. ISIP 2,360 psi, 15 min. 2,250 psi. Opened well, flowed & swabbed, recovered 100 bbls. fluid w/trace of oil. Lack total of 122 bls. from both treatments recovering load.

11/11/84: Swabbed 43 bbls. fluid w/trace of oil & gas. 79 bbls. underload.

11/12/84: Swabbed & recovered 52 bbls. fluid with skim of oil & small volume of gas, when swab was pulled. P.O.H. w/2-3/8" tbg & pkr.

11/13/84: Notified BLM that we were going to abandon zone 8,808' to 8,032'. Ran 4 1/2" squeeze retainer on 2-3/8" tbg. Broke circ., set retainer @ 8,746', 62' above top perf @ 8,808'. Squeezed perms from 8,808' to 8,032' w/50 sxs class H cement containing 1% retarder, mixed @ 16.4#/gal, squeezed to 2,700 psi. POH w/tbg & setting tool. T.I.H. w/2-3/8" tbg openended. Spotted 500 gals. 10% acetic acid @ 8,505'. POH w/2-3/8" tbg. Ran CBL from 8,740' to 6,000', results 60-95% bond.

11/14/84: Perforated 5 intervals from 8,396'-8,505' w/3-1/8" csg gun, 0.38" dia. hole, 18" penetration as follows: 8,396'-8,404' (8'-9 holes) 8,422'-8,436' (14'-15 holes) 8,450'-8,461'

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

SIGNED

W.B. Myers

TITLE

Ass't. to Gen. Supt.

(Cont.)

DATE

12-7-84

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APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

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DATE

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Instructions

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Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Great Western Drilling Company ✓	8. FARM OR LEASE NAME Mabel Hale Federal
3. ADDRESS OF OPERATOR	9. WELL NO. 3
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	10. FIELD AND POOL, OR WILDCAT
14. PERMIT NO.	15. ELEVATIONS (Show whether BP, RT, GR, etc.)
11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA	12. COUNTY OR PARISH 13. STATE

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐	WATER SHUT-OFF	☐
FRACURE TREAT	☐	FRACURE TREATMENT	☐
SHOOT OR ACIDIZE	☐	SHOOTING OR ACIDIZING	☐
REPAIR WELL	☐	(Other)	☐
(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 some part pertinent to this work.)*

(11'-12 holes) 8,476'-8,484' (8'-9 holes) and 8,497'-8,505' (8'-9 holes). Treated down 4½" csg w/1,000 gals. 15% HCL acid, followed by frac job consisting of 17,500 gals of gelled 2% KCL fresh wtr & 17,500 gals of Super Terra Frac LT-30 w/74,285 lbs. 20-40 mesh sand & 80 7/8" ball sealers. Formation broke @ 2,370 psi. Avg. treating press. 2,860 psi @ avg. rate 28 BPM. ISIP 1,750 psi, 15 min. 1,680 psi. Load to recover: 997 bbls.

11/15/84: 18 hrs. SIP 1,050 psi. Killed well. Installed BOP. T.I.H. w/4½" retrievable BP on 2-3/8" tbg. Set BP @ 8,329'. Pressured BP to 2,500 psi, held. Dumped 2 sxs sand on top of BP through tbg. Spotted 500 gals. 10% acetic acid 8,270'-8,184'. T.O.H. w/2-3/8" tbg. Perforated 4 intervals from 8,184' to 8,270' w/3-1/8" csg guns loaded w/12 gram shots, 0.41" dia. holes w/14½" penetration as follows: 8,184'-8,198' (14'-15 holes) 8,204'-8,212' (8'-9 holes) 8,256'-8,260' (4'-5 holes) 8,262'-8,270' (8'-9 holes).

11/16/84: Acidized & fraced down 4½" csg w/1,000 gals. 15% HCL, 12,500 gals. gelled 2% KCL fresh wtr., 12,500 gals. Super Terra Frac LT-30, 53,125 lbs. 20-40 mesh sd. & 60-7/8" ball sealers. Formation broke @ 3,180 psi. Avg. treating press. 3,310 psi. Avg. rate 21 BPM. ISIP 2,270 psi, 15 min. 2,050 psi & 60 min. 1,800 psi. Load to recover: 629 bbls. Load from both treatments: 1,626 bbls.

11/17/84: SIP 1,000 psi. Bled pressure off. Ran Baker retrieving head, tagged sand 70' above retrievable BP @ 8,258'. Reversed circ. out sand & ball sealers to 8,328' to top of BP. Unset

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

SIGNED

M. H. [Signature]

TITLE

Ass't. to Gen. Supt.

DATE

(Cont.)
12-7-84

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2. NAME OF OPERATOR

Great Western Drilling Company ✓

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
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At surface

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, OR, etc.)

16.

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TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

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BP & lowered BP to 8,570', finding no fill. T.O.H. w/tbg & BP. Ran 4½" Baker Lok-Set Pkr & 1 jt tbg as tailpipe beneath pkr & S.N. on top of pkr on 2-3/8" OD, N-80, tbg. Swung tailpipe @ 8,122' w/pkr @ 8,086', set pkr w/12,000 lbs. compression. Rigged up to swab. 1,556 bbls. underload.

11/18-24/84: Testing. Lack 848 bbls. recovering load.

Preparing to take potential test.

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