Form 3160-5 (June 1990) Do not use this	DEPARTMEN BUREAU OF I	TED STATES IT OF THE INTERIOR LAND MANAGEMENT AND REPORTS ON V ill or to deepen or reent B PERMIT—" for such r	Oct Vells	ECEIVED II ag AN '91 ferent reservolt.	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. NM-0560353 6. If Indian, Allottee or Tribe Name
		IN TRIPLICATE	•	EIVED	7. If Unit or CA, Agreement Designation
1. Type of Well			OCT	2 5 1991	4
	l Dther		~	C D	8. Well Name and No.
2. Name of Operator	44.9994		ARTE	SIA OFFICE	Mabel Hale Federal, No. 4
3. Address and Telephone	ern Drilling Compar				4
P.O. Box 16	59, Midland, TX 79 Lage, Sec., T., R., M., or Survey D	9702, Pho. (915)68 escription)	2-5241		30 015 26792 10. Field and Pool, or Exploratory Area Shugart Pool (Yates-SR-O-Grayburg) 11. County or Parish, State
	860'FWL, Sec. 11, 1				
(Unit D) (N		1-19-3, K-30-E			Eddy, N.M.
I2. CHECK	APPROPRIATE BOX	s) TO INDICATE NAT	URE OF I	NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF	F SUBMISSION			TYPE OF ACTION	
Notice	e of Intent	Abandon			Change of Plans
X Subsec	quent Report	Plugging	Back		Non-Routine Fracturing Water Shut-Off
Final .	Abandonment Notice	Casing R Altering X Other	•	ion	Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	Completed Operations (Clearly state a xations and measured and true verti				any proposed work. If well is directionally drilled,

JSF

SUBSEQUENT REPORT OF: Completion - T.D. 3,120', PBTD 3,065'.

08/26/91: Rigged up pulling unit, nippled up wellhead & BOP, ran Cement Bond Log, perforated $\overline{5^{-1}2^{"}}$ csg from 3,008' to 3,020' w/2 SPF (12'-24 shots) w/4" gun, .45" dia. holes, 18" to 23" penetration, 120° phasing, ran RTTS packer, S.N. & 2-3/8" Tbg, set packer @ 2,952', shut well in & shut down.

<u>08/27/91:</u> Opened well, ran swab, made 3 runs, swabbed well dry, recovered 11 bbls. wtr, acidized w/1,000 gals. 15% HCL & 48 RCN ball sealers, formation broke from 4,040 psi to 3,360 psi, treated @ avg. press. 1,900 psi @ 2.5BPM, ISIP 1,510 psi, 15 min. 1,300 psi, 60 min. 875 psi, opened well, bled pressure off, swabbed, recovered 1 BO & 20.5 BW, still 16.5 bbls under load, shut down.

08/28/91: SITP 95 psi (14 hrs.), swabbed well down, recovered 2½BW & 3/4BO, unset pkr., POH, attempted frac w/15,000 gals. WF 130 containing 12,000 lbs. 20-40 & 19,500 lbs. 12-20 mesh sand, screened out @ 4,500 psi after pumping approx. 8,800 lbs. sand in formation, treated @ avg. press 2,100 psi @ 12 BPM, left approx. 12,400 lbs. Sd. in csg, ISIP 1,770 psi, 5 Min. 1,230 psi, shut down.

4. I hereby certify that the foregoing is true and correct Signed	Tile Asst. to Gen. Supt.	Date09-2	26-91
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title	Date	535 4

Form 3160-5 UNITED STATES (June 1990) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT				FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.
Do not use this f	orm for proposals to dr	AND REPORTS ON WE ill or to deepen or reentry R PERMIT—" for such pro	to a different reservoir.	NM-0560353 6. If Indian, Allottee or Tribe Name
	SUBMIT	IN TRIPLICATE	CCT 2 5 1991	7. If Unit or CA, Agreement Designation
1. Type of Well Sold Gas Well Gas Welt	Other		O. C. D. ARTESIA OFFICE	8. Well Name and No.
2. Name of Operator Great Western Drilling Company			Mabel Hale Federal, No. 4 9. API Well No.	
3. Address and Telephone No. P.O. Box 1659, Midland, TX 79702, Pho. (915)682-5241			30 015 26792 10, Field and Pool, or Exploratory Area Shugart Pool	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 330'FNL & 860'FWL, Sec. 11, T-19-S, R-30-E (Unit D) (NW NW)			- Shugart POOL (Yates-SR-O-Grayburg) 11. County or Parish, State Eddy, N.M.	
12. CHECK	APPROPRIATE BOX(s) TO INDICATE NATUR	E OF NOTICE, REPO	
TYPE OF	SUBMISSION		TYPE OF ACTION	N
Notice		Abandonment		Change of Plans
X Subsequ	uent Report bandonment Notice	Plugging Bac Casing Repai	r	 Non-Routine Fracturing Water Shut-Off Conversion to Injection
			mpletion	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)*
 08/29/91: 24 hr. SIP 580 psi.

08/30/91: 41 hr. SIP 400 psi, bled pressure off, ran 2-3/8" tbg & tagged sand @ 2,119', RU reverse unit, washed sand to 3,050', circ. hole clean, POH, ran 5½" RTTS Pkr., S.N. & Tbg. to 2,952' & set Pkr., made 3 runs w/swab from S.N., 4th run swab stopped, swab cups full of sand, shut down.

08/31/91: Unset pkr., POH, ran notch collar, S.N. & tbg to 2,878', swabbed, lowered Tbg to 3,026', swabbed, lowered Tbg to 3,055' (PBTD 3,065'), pulled & swung Tbg @ 2,945', swabbed total of 4BO, 102 BW & very little gas, shut well in & shut down, 181 bbls. under load.

09/02/91: SITP 40 psi, SICP 10 psi (SI 63 hrs.), swabbed, recovered 67 BW & 2 BO, had slight gas blow during swabbing, 114 BUL.

<u>09/03/91:</u> Set $5-\frac{1}{2}$ " CIBP @ 2,962'KBM, perforated $5-\frac{1}{2}$ " csg from 2,888' to 2,912' w/2 SPF (24'-48 shots), w/4" gun in 2 runs, .47" dia. holes, 22" penetration, 23 gram charges, 120° phasing, ran RTIS pkr., S.N. & Tbg, set Pkr. @ 2,850'KBM w/12,000 lbs. compression, loaded back side w/21 BW & pressured to 670 psi, treated w/2,000 gals. 15% acid & 100-7/8" RCN ball sealers,

14. I hereby certify that the foregoing is true and correct	- continued -	
Signed M. B. Wyer	Tille Asst. to Gen. Supt.	Date <u>9-26-91</u>
(This space for Federal or State office use)		
Approved by Conditions of approval, if any:	Title	Date 505
		2 A 1975

(June 1990) DEPARTMEI BUREAU OF SUNDRY NOTICES Do not use this form for proposals to d	TED STATES NT OF THE INTERIOR LAND MANAGEMENT AND REPORTS ON WEL rill or to deepen or reentry t R PERMIT—" for such prop	o a diffesiat nest itioir	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. NM-0560353 6. Jf Indian, Allottee or Tribe Name
	IN TRIPLICATE		7. If Unit or CA, Agreement Designation
I. Type of Well Oil Well Other Name of Operator			8. Well Name and No.
Great Western Drilling Compan 3 Address and Telephone No.			Mabel Hale Federal, No.4 9. API Well No. 30 015 26792
P.O. Box 1659, Midland, TX 4. Location of Well (Footage, Sec., T., R., M., or Survey E 330'FNL & 860'FWL, Sec. 11, (Unit D) (NW NW)	escription)	-5241	10. Field and Pool, or Exploratory Area Shugart Pool (Yates-SR-O-Grayburg) 11. County or Parish, State Eddy, NM
12. CHECK APPROPRIATE BOX	s) TO INDICATE NATURE	OF NOTICE, REPOR	T. OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Notice of Intent	Abandonment Recompletion		Change of Plans
X Subsequent Report	Plugging Back Casing Repair Altering Casing Other	oletion	Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well
 13. Describe Proposed or Completed Operations (Clearly state al give subsurface locations and measured and true vertice Formation broke @ 3,650 psi, traction, ISIP 1,050 psi, 15 Min. 17BW, 42 BW under load. 09/04/91: SITP 40 psi (13 hrs backside) & 10 BW from formation 	reated @ avg. press. 570 psi, 120 Min. .), swabbed, unset P	1,320 psi $(2\frac{1}{2}B)$ 0 psi, load to re	Completion or Recompletion Report and Log form.) any proposed work. If well is directionally drilled, PM. with very little ball
<u>09/05/91:</u> SI 14 hrs., CP 15 ps: w/30,240 gals. Cross-Link Gel co BPM @ avg. press. 2,030 psi, ISI to recover: 789 Bbls.	, opened well & inst ontaining 24,000 lbs.	alled tree-saver,	lbs. $12-20$ mesh sand 0.15
09/07/91: Ran Tbg, tagged top or recovered 198 BW, still 591 BUL.	of sand @ 2,912', pul	lled 3-Jts. Tbg t	o 2,818', swabbed 8 hrs.,
09/08/91: SITP 650 psi & SICP 111 BW & 2 ¹ / ₂ BO, 480 BUL.			" choke, flowed & swabbed
14. I hereby certify that the foregoing is true and correct	- continued	_	

Page 3

signed M. B. Whyen	Title Asst. to Gen. Supt.	09-26-91
(This space for Federal or State Office use)		
Approved by Conditions of approval, if any:	Tide	Date
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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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(June 1990) DEPARTMEN BUREAU OF 1 SUNDRY NOTICES Do not use this form for proposals to dr	TED STATES IT OF THE INTERIOR LAND MANAGEMENT AND REPORTS ON WELLS ill or to deepen or reentry to a d R PERMIT—" for such proposals	RECEIVED OCT 2 5 1991 O. C. D. ARTESIA OFFICE Ifferent reservoir.	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. NM-8560353 6. If Indian, Allottee or Tribe Name
SUBMIT	IN TRIPLICATE		7. If Unit or CA, Agreement Designation
 Type of Well Address and Telephone No. P.O. Box 1659, Midland, TX 7 Location of Well (Footage, Sec., T., R., M., or Survey D 330'FNL & 860'FWL, Sec. 11, T (Unit D) (NW NW) 	9702, Pho. (915)682-5241 seription) P-19-S, R-30-E		 8. Well Name and No. Mabel Hale Federal, No. 4 9. API Well No. 30 015 26792 10. Field and Pool, or Exploratory Area Shugart Pool (Yates-SR-O-Grayburg) 11. County or Parish, State Eddy, NM
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF	NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other <u>Complet</u>	ion	Change of Plans Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well
363 BUL.	64" choke, FTP 25 psi o	w/CP 250 psi,	recovered 117 BW & 8 BO,
<u>09/11/91:</u> Flowed 15 hrs. on 24, csg & lowered Tbg to 2,882', rar tbg open to tank on $24/64$ " choke	n swab, found Tbg dry, s	CP 300 psi, r wabbed 40 BW a	recovered 45 BW, bled down & $1\frac{1}{2}$ BO, CP 310 psi, left
09/12/91: Flowed 12 hrs. on 24, bled down csg, lowered tbg & ta to 2,912' & started swabbing, ma swabbed & flowed the rest of day choke to test tank, 208 BUL. 09/13/91: Flowed & swabbed 58 B	gged sand @ 2,917', bott de two swab runs, pulled , in 24 hrs. recovered	in lots of sa	rfs. @ 2,912', pulled Tbg nd, pulled tbg to 2,882',

09/14/91: Flowed & swabbed 27 BW & 10 BO, 123 BUL.

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Approved by Conditions of approval, if any:	Title	Date	40 ⁵
(This space for Federal or State office use)		Date	
I hereby certify that the foregoing is true and correct Signed <u>M.H. Mayers</u>	_ _{Tide} _Asst. to Gen. Supt.	Date 09/	/26/91

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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RECEIVED Form 3160-5 UNITED STATES FORM APPROVED (June 1990) DEPARTMENT OF THE INTERIOR Budget Bureau No. 1004-0135 Expires: March 31, 1993 OCT 2 5 1991 BUREAU OF LAND MANAGEMENT 5. Lease Designation and Serial No. NM-0560353 O. C. D. SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT---" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE _ _ _ _ _ _ _ _ 1 Type of Well X Well Gas Well Other 8. Well Name and No. 2. Name of Operator Mabel Hale Federal, No. 4 Great Western Drilling Company 9. API Well No. 3. Address and Telephone No. 30 015 26792 P.O. Box 1659, Midland, TX 79702, Pho. (915) 682-5241 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Shugart Pool (Yates-SR-O-Grayburg) 330'FNL & 860'FWL, Sec. 11, T-19-S, R-30-E 11. County or Parish, State (Unit D) (NW NW) Eddy, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans Recompletion New Construction X Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Notice Altering Casing Conversion to Injection Completion |X|Other Dispose Water (Note: Report results of multiple completion on Well 13. 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, Completion or Recompletion Report and Log form.) give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* 09/15/91: Flowed 24 hrs. on 48/64" choke, FTP 20 psi, CP 300 psi, recovered 32 BW & 24 BO, 91 BUL. Flowed 19 hrs. on 48/64" choke, FTP 15 psi, CP 300 psi, recovered 20 BO & 22 BW, 09/16/91: bled pressure off csg & POH w/tbg, rigged up reverse unit, ran 4-3/4" mill tooth bit, bit sub, 6 3-3/8" DC & tbg, tagged sand @ 2,909', washed down sand & tagged CIBP @ 2,962', drlg plug and tagged bottom @ 3,040', circ. hole clean & POH w/tbg, DC's & bit, shut well in, lost 90 bbls.

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09/17/91: SI 16 hrs., opened well & found well on vacuum, TIH w/tbg installation, swung tbg @ 3,009', perf. sub @ 2,982', S.N. @ 2,978' & tbg Anc. @ 2,821', RU swab, found fluid level 600' from surface, swabbed 8 hrs., recovered 112 BW & trace of oil, left well open on 24/64" choke to test tank.

fluid while drilling out, now 191 BUL.

<u>09/18/91:</u> Opened 16 hrs. on 24/64" choke, FTP 0 psi, CP 675 psi, no fluid produced, swabbed & flowed 10 hrs, recovered 10 BO & 90 BW, left well open on 24/64" choke to test tank.

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			24:39
Approved by Conditions of approval, if any:	Title	Date	5J ⁵
I hereby certify that the foregoing is true and correct Signed	Tide Asst. to Gen. Supt.	Date9/2	26/91

Form 3160-5 (June 1990)	UNITED DEPARTMENT OF BUREAU OF LANE	THE INTERIOR	RECEIVED	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.
Do not use this for	SUNDRY NOTICES AND m for proposals to drill or e "APPLICATION FOR PER	A	\cap C.D.	NM-0560353 6. If Indian, Allottee or Tribe Name
	SUBMIT IN T	RIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas Well Well	Other	· · · ·		8. Well Name and No.
2. Name of Operator Great Western	Drilling Company			Mabel Hale Federal, No. 9. API Well No.
3. Address and Telephone No.	, Midland, TX 79702 Sec., T., R., M., or Survey Description	2, Pho. (915)682	-5241	30 015 26792 10, Field and Pool, or Exploratory Area Shugart Pool (Yates-SR-O-Grayburg)
	'FWL, Sec. 11, T-19-			(Yates-SR-O-Grayburg) 11. County or Parish, State
12. CHECK AF	PROPRIATE BOX(s) TO	INDICATE NATURI	FOR NOTICE BERO	Eddy, N.M.
TYPE OF SU	BMISSION		TYPE OF ACTION	
Notice of In	tent			Change of Plans
X Subsequent	Report	Recompletion Plugging Back	2	Non-Routine Fracturing
🗍 Final Aband	onment Notice	Casing Repair Altering Casing Other COM		Water Shut-Off Conversion to Injection Dispose Water
09/19/91: \FTP 0 ps	ted Operations (Clearly state all pertinen s and measured and true vertical depths Si & CP 550 psi, no 24/64" choke to test	fluid produced	Wornight grabba	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) g any proposed work. If well is directionally drilled, d & flowed 55 BW & 15 BO, load.
09/20/91: FTP 0 Surface, swabbed & 49 bbls recovering	psi & CP 610 psi, flowed 8 hrs., reco load.	no fluid prod vered 30 BO & 49	uced overnight,) BW, left well o	found fluid 1,200' from pen on 24/64" choke, lack
09/21/91: FTP 0 surface, swabbed & 12/64" choke, 11 bi	LIOWCU / ILLS., IEC	no fluid prod covered 23 BO &	uced overnight, 38 BW, changed c	found fluid 1,500' from chokes, left well open on
9/22/91: Flowed 2	23 BO in 24 hrs. on	12/64" choke.		
9/23/91: Flowed Install pumping uni	17 hrs on 12/64" t and tank battery.	choke, recovere	d 17 BO & 8 BW,	making preparations to

Signed <u>M.B. Wilfers</u> (This space for Federal or State office use)	Tille Asst. to Gen. Supt.	Date	9-26-91
Approved by Conditions of approval, if any:	Title	Date	555 24 1991