

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-078563	
2. NAME OF OPERATOR Grace Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 143 Union Blvd. - Ste 760, Lakewood, CO 80228		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1850' FSL & 790' FWL		8. FARM OR LEASE NAME Love	
14. PERMIT NO.		9. WELL NO. #23-2	
15. ELEVATIONS (Show whether DR, RT, OR, etc.) 6726' KB, 6714' GL		10. FIELD AND POOL, OR WILDCAT Escrito-Lybrook/Gallup	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 23, T24N-R7W	
		12. COUNTY OR PARISH Rio Arriba	
		13. STATE New Mexico	

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OCT 27 1986

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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	☐
FRACTURE TREAT	☐	FRACTURE 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.)	☐
PULL OR ALTER CASING	☐	REPAIRING WELL	☐
MULTIPLE COMPLETE	☐	ALTERING CASING	☐
ABANDON*	☐	ABANDONMENT*	☒
CHANGE PLANS	☐		

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.)*

The purpose of this Subsequent Sundry is to inform your office of the P&A operation performed on the subject well.

"See attached daily operation report & wellbore sketch detailing the P&A."

The necessary dirt work, leveling & reseeding will be completed between July 15 & September 15, 1987.

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OIL CON. DIV.
DIST. 3

Approved as to plugging of the well bore.
Liability under BLM Act waived until
surface restoration is completed.

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

SIGNED William P. Baswell III TITLE Operations Engineer

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

DATE 10/23/86

OCT 29 1986

FOR AREA MANAGER
FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

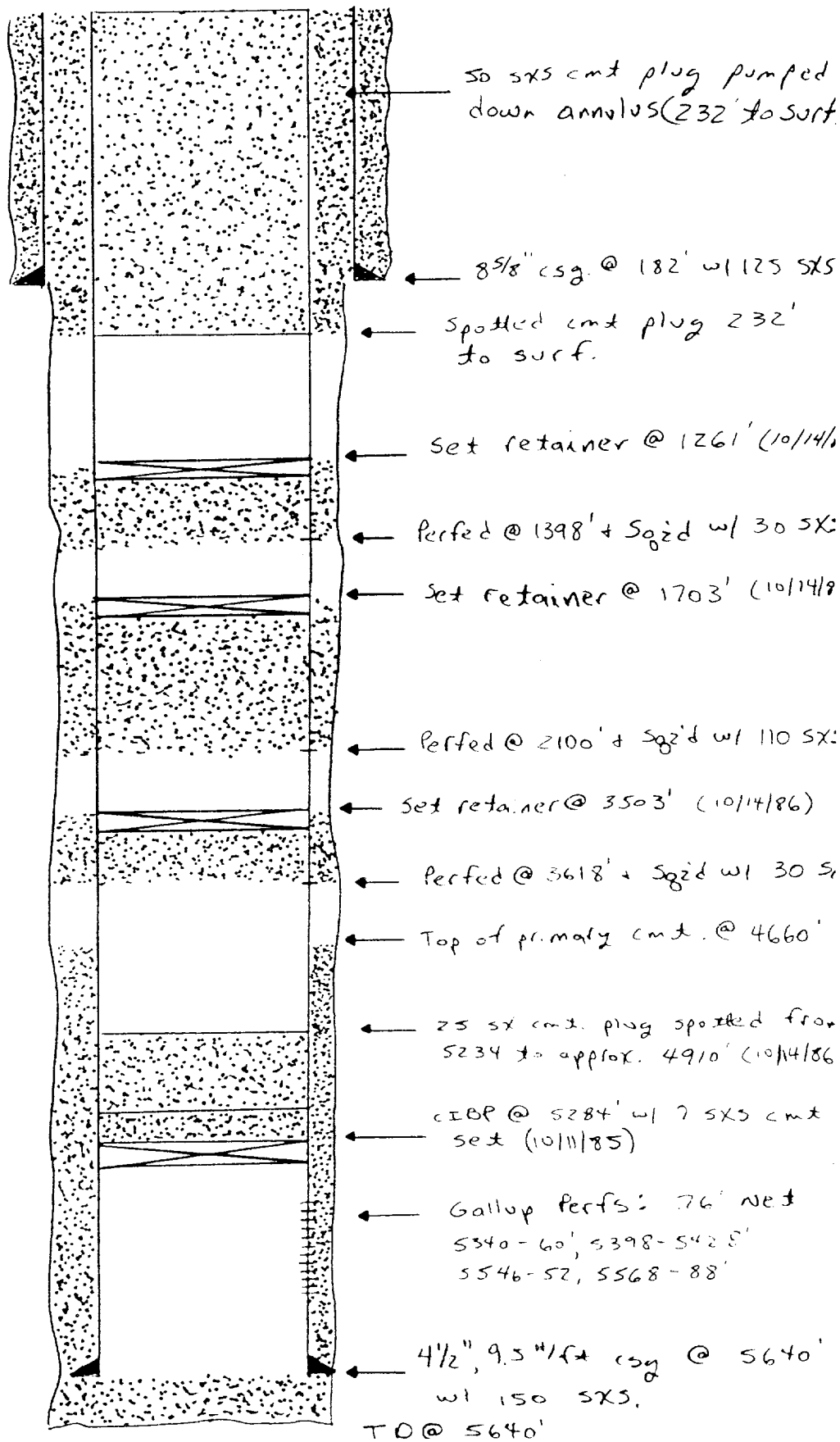
4MOCO

Love #2-23
 Sec. 23, T24N-R7W
 Rio Arriba, N.M.

(10/17/86)

Down Hole Schematic: P+ A

Inhibited Brine wdr.
 between plugs + retainers
 OK'd by Leonard Bixler



* Formation @

1. Picture Cliffs	1995'
2. Lewis	2100'
3. Mesa Verde	3568'
4. Point Lookout	4290'
5. Mancos	4536'
6. Gallup Upper	5314'
Lower	5526'

WELL: Love #23-2 PROSPECT: Escrito-Lybrook/Gallup PTD: _____
OBJECTIVE: P&A OPERATOR: GPC CONTRACTOR: Big 'A' Well Service
LOCATION: Sec. 23, T24N-R7W, Rio Arriba County, NM DATE: 10/11/86
AFE NO: _____ AFE DHC: \$ _____ AFE TWC: \$ _____ WI 87.4%
CASING: (Size & Depth): 8-5/8" @ 182', 4-1/2" 9.5# @ 5640'
ELEVATION: GL 6714' DF _____ KB 6726' DEPTH: TD 5640' PBTD 5234' (TOC plug)

10/11/86 FIRST REPORT

Day 1: MIRU Big 'A' Well Service. Unflange tbg. Pull tbg up 1
jt. Found tbg free. SDFN

Costs: Rig \$350

DWC: \$350 CWC: \$350

10/12/86 Day 2: SD for Sunday.

DWC: 0 CWC: \$350

10/13/86 Day 3: MI & install BOP. PU & RIH w/5-1/2 jts 2-3/8" tbg & tagged
@ 5153.53'. MIRU Western Company. Pressured csg to 500# & held.
TOOH w/tbg & found btm 5 jts plugged w/gray mud. MIRU Basin
Perforators. Perforate csg @ 3618', 2100' & 1398'. RD Basin. PU
& RIH w/Baker retainer & 81 jts tbg. SDFN

Costs: Rig \$1,215, Basin \$787.50, Trucking \$796.25, Western \$533.50.

DWC: \$3,332.25 CWC: \$3,682.25

10/14/86 Day 4: Finished RIH w/retainer & tbg. Spot 25 sxs cmt plug. POOH
w/tbg & retainer & set @ 3503'. Pump 30 sxs cmt. Pull out of retainer
& POOH w/tbg. PU & RIH w/Baker retainer to 1703'. Set & pump 110
sxs. POOH laying dn extra tbg. PU & RIH w/retainer to 1261'. Set
& pump 30 sxs cmt. POOH to 232' & spot cmt to surface. Hooked up
& pump 50 sxs dn bradenhead. RD Western & Big 'A' Well Service.
MOL.

Costs: Baker \$2,462.70, Western \$1,997.68, Rig \$1,080.

DWC: \$5,540.38 CWC: \$9,222.63

Note: Leonard Bixler w/BLM on loc. during plugging.

10/15/86 Day 5: SD - waiting for loc. to dry to start rehab.

10/16/86 Day 6: SD - waiting for location to dry.

10/17/86 Day 7: Hauled tbg & remove broken unit paid.

Costs: Rst \$506.50

DWC: \$506.50 CWC: \$9,729.13

10/18- Day 8 & 9: SD for weekend

19/86 DWC: 0 CWC: \$9,729.13

10/20/86 No work.

WESTERN PETROLEUM

SERVICES

CEMENTING REPORT

DATE 11-12-26 DISTRICT Farmington F.R.# 8203.05
 OPERATOR Grace Pet
 WELL NAME & NUMBER Love 2-23
 LOCATION: SEC. 23 BLOCK OR TOWNSHIP _____ SURVEY OR RANGE 7W
 COUNTY San Arriba STATE N. Mex
 STAGE NUMBER _____ TYPE JOB P+a

TBG/DP: Size <u>2 3/8</u>	Weight <u>4.6</u>	Disp _____	Conductor	Surface	Int.	Prod.	Liner
Perforated Interval <u>710'</u>	<u>2100</u>	<u>1398</u>	Size				
Pkr. Type <u>Latex Ect.</u>	Set at _____		Weight				
Open Hole Size _____	Formation _____		Thread				
Stage Collar Type _____	Set at _____		Capacity				
Estimated Wash Out _____ %			Depth				

Sacks or Bbls.	Composition of Cement and Spacer	Gals/sk H ₂ O	Weight Lb/Gal	Yield Ft 3	Pump Time Hours	TOTAL Cu. Ft.	TOTAL Bbls.
<u>25 sks</u>	<u>Class B</u>	<u>5.2</u>	<u>15.6</u>	<u>1.18</u>	<u>4</u>	<u>29.5</u>	<u>5.2</u>
<u>30 sks</u>	"	"	"	"	"	<u>35.4</u>	<u>6.3</u>
<u>110 sks</u>	"	"	"	"	"	<u>124.8</u>	<u>23.1</u>
<u>30 sks</u>	"	"	"	"	"	<u>35.4</u>	<u>6.3</u>
<u>10 sks</u>	"	"	"	"	"	<u>11.8</u>	<u>2.1</u>
<u>5 sks</u>	"	"	"	"	"	<u>5.9</u>	<u>1.05</u>
<u>57 sks</u>	"	"	"	"	"	<u>6.2</u>	<u>1.0</u>

Total Mix H₂O 31.2 Bbls. Total Displacement 41 Bbls. Type 11.1 Total Products 54.5 Bbls

Time	Remarks	Rate	Pressure Tubing	Pressure Casing
<u>13:15</u>	<u>on loc 9:00 AM</u> <u>Load hole pressure test tub. 2 BBL</u>	<u>.5</u>	<u>1000 PSI Held</u>	<u>0</u>
<u>1:30</u>	<u>Pressure test casing</u> <u>tubing plugged ball valve hole</u>	<u>1.0</u>	<u>500</u>	<u>500 Held</u>
	<u>Spot Plug 5234'</u>			
<u>9:10</u>	<u>Injection test</u>			
<u>9:12</u>	<u>Shutdown Mix Cement 30 BBL</u>			
<u>9:13</u>	<u>Start cement</u>	<u>2</u>	<u>0</u>	<u>0</u>
<u>9:15</u>	<u>Start displacement 24 BBL Mix H₂O</u>	<u>2</u>	<u>500</u>	<u>0</u>
<u>9:23</u>	<u>Shutdown</u>	<u>2</u>	<u>500</u>	<u>0</u>
	<u>Fast @ 3613 Ret @ 3500</u>			
<u>10:05</u>	<u>Injection Test</u>	<u>2</u>	<u>500</u>	<u>0</u>
<u>10:10</u>	<u>Shutdown Mix Cmt. 30 BBL Mix H₂O</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>10:16</u>	<u>Start cement</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>10:18</u>	<u>Start displacement 120 displacement</u>	<u>2</u>	<u>200</u>	<u>0</u>
<u>10:25</u>	<u>Shutdown</u>	<u>2.5</u>	<u>500</u>	<u>0</u>

Break Down At _____ BPM At _____ PSI
 Squeezed To _____ PSI Running _____ Hesitation _____
 Reversed out _____ BBL Slurry at _____ PSI
 Customer considered service _____ Satisfactory
 _____ Unsatisfactory

Customer Rep:

Max Pressure _____ Differential Press. _____
 Bumped Plug _____ Yes _____ No _____ Pressure to _____
 Cmt. Circ. to surface _____ Sacks _____
 Float Held _____ Yes _____ No _____
 Shut in with _____ PSI
 Service Supervisor Mark Knight

THE WESTERN COMPANY

"Engineered Well Services"

GENERAL OFFICES - FORT WORTH, TEXAS

TREATMENT REPORT



Time	Treating Pressure - Psi		Bbl Fluid Pumped	Inj. Rate BPM	REMARKS -
	Tubing	Casing			
12:00					Perf @ 2100' Ret @ 1700'
12:03	0	0	0	0	Injection Test
12:14	1000	0	5	1.5	Shut down Max Cont. 13.6 Bbls Min 11.0
12:15	400	0	5	0	Start Cont. 3.1 Bbls Shury
12:19					Start Displacement 5.6 Displacement
12:25					Shut down
Perf @ 1398' Ret @ 1280'					
1:30	0	0	0	0	Injection Test
1:33	400	0	3	2	Shut down Max Cont. 3.7 Bbls Min 2.0
1:34	100	0	0	0	Start Cont. 1.2 Bbls Shury
1:36	400	0	6.3	1	Start Displacement 3.9 Displacement
1:39	500	0	10.1		Shut down
400' Plug 232' to 132' Surface					
					4 1/2 Casing
2:25	0	0	0	0	Max Cont. 1.2 Bbls Min 1.0
2:27	0	0	0	0	Start Cont. 3.1 Bbls Shury
2:28	100	0	3	1.5	Start Displacement 5.6 Displacement
					Shut down
4 1/2 Casing 8 1/2 Casing Annulus					
2:30	0	0	0	0	Max Cont. 6.1 Bbls Min 4.0
2:33	100	0	6	1.5	Start Cont. 10.5 Bbls Shury
					Shut down
50' Plug 50' Surface					
					Max Cont. 6.1 Bbls Min 4.0
					Start Cont. 10.5 Bbls Shury
					Shut down

Total 78750

