

**Plug and Abandon
Tonto Federal No. 1
Section 10-208-33E Lea County, NM**

1. MIRU workover rig with circulating pump and tank.
2. ND pumping tee. NU BOP.
3. Unseat pump and POH with rods and pump. Release TAC and POH with tbg.
4. RUWL. Run and set CIBP at 9250'. Mix and dump 4 sx cement on top of CIBP. RDWL.

**** NOTE : Use the following recipe for mixing all cement plugs :
- Class C cement with 6.3 gal water per sack, slurry weight 14.8 ppg, yield 1.32 cu ft per sack**

5. RIH with muleshoe and tbg. Circulate hole full with 9 ppg mud (approx 215 bbls casing volume, w/o tbg). POH with tbg.

6. RUWL. Determine freepoint of 5-1/2" casing at approximately 4000'. Cut and pull csg above FP. RDWL.

* → spot 100' plug across 8 5/8" csg. shoe @ 5000'.

7. RIH with tbg to 4075'. Spot 30 sx cement plug in the casing from 4075' to 3925' (2-3/8", 4.7#, J55 tbg vol 15.8 bbls, max overdisplacement 0.5 bbl). Pull tbg clear of cmt and reverse circulate tbg clean. POH with tbg.

8. RU sand line. RIH and tag cmt plug at 3925'. RD sand line.

9. RIH with tbg to 600'. Spot 40 sx cement plug in casing from 600' to 450' (tbg vol 2.3 bbls, max overdisplacement 0.5 bbl). Pull tbg clear of cmt and reverse circulate tbg clean. POH with tbg.

- * 10. RU sand line. RIH and tag cmt plug at 450'. RD sand line.
→ NO TAG REQUIRED AFTER STEP 10.

11. RIH with tbg to 50'. Spot approx 14 sx cmt from 50' to surface. POH with tbg. ND BOP.

12. RDMO workover rig.

13. Cut off wellhead and install marker.

14. Restore location.



LTR



Job separation sheet

Submit 3 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Azusa, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator SAMSON RESOURCES COMPANY		Well API No. 30-025-29265
Address 2 W. 2nd STREET, TULSA, OK 74103		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
If change of operator give name and address of previous operator GRACE PETROLEUM CORPORATION, 6501 N. BROADWAY, OKC, OK 73116		

II. DESCRIPTION OF WELL AND LEASE

Lease Name TONTA FEDERAL	Well No. 1	Pool Name, including Formation TEAS - BONE SPRINGS	Kind of Lease State, Federal or Fee	Lease No. NM 17439
Location Unit Letter <u>H</u> : 1980 Feet From The NORTH Line and 660 Feet From The EAST Line Section 10 Township 20-S Range 33-E, NMPM, LEA County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> SUN REFINING & MARKETING Co. Inc. (SUN)	Address (Give address to which approved copy of this form is to be sent) P. O. BOX 2880, DALLAS, TX 75221-2880					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rgn.	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Drill Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations				Depth Casing Shoe				
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Dennis Chandler
DENNIS CHANDLEE SUPV. OF OPERATIONS
Printed Name
Date 4-21-93 Title
918-583-1791
Telephone No.

OIL CONSERVATION DIVISION

APR 27 1993

Date Approved

By ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.