

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO EXPORT OIL AND NATURAL GAS

Form O-104
Supersedes Old C-104 and C-1
Effective 1-1-65

DATE	
WELL	
OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

I. Grace Petroleum Corporation
Address: P. O. Drawer 2358, Midland, Texas 79702
(Please list full name of well or oil field)
New Well ☐ Change of Name ☐
Production ☐ Full ☐
Change in Ownership ☒ Yes ☐ No
If change of ownership give name and address of previous owner: Cleary Petroleum Corporation, P. O. Drawer 2358, Midland, Tx. 79702

II. DESCRIPTION OF WELL AND LEASE

State	New Mexico	Well Name	"A" Fed.	2	S. Salt Lake Morrow	Lease No.	
County		Section				Federal	NM-14791
North		East					
1980		1980					
Section	4	Township	21-S	32-E	Lea	County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Transporter	<u>Permian Corporation</u>	Address (to which reports are to be sent)	<u>P. O. Box 1183, Houston, Texas 77001</u>
Gas Company of New Mexico	<u>Gas Company of New Mexico</u>	Address (to which reports are to be sent)	<u>First International Bldg., Dallas, Tx. 75270</u>
Section	G 4 21-S 32-E	Yes	8-3-78

IV. COMPLETION DATA

Designate Type of Completion - (X)

Date Spudded	Date Completed	Depth	Perforations
Elevation (ft., B.M., H.T., etc.)	Nearest Formation		
Perforations			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	BACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

Test Name (Flow To Tanks)	Date of Test	Length of Test	Testing Pressure	Flow Rate	Well Size
Actual Prod. During Test	Oil-Base				

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Testing Pressure (Shut-in)	Well Size

1. CERTIFICATE OF COMPLIANCE

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

Buddy J. Knight
(Signature)
District Production Manager
Date: 10-25-78

OIL CONSERVATION COMMISSION

NOV 1 1978

Orig. Signed by
Jerry Sexton
Dist. 1. Supv.

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a calculation of the deviation of the well in accordance with RULE 1111.
All portions of this form must be filled out completely for allowable on new and recompleted wells.
Fill in ONLY Sections I, II, III, and VI for changes of owner, lease number, or transporter, or other such change of condition.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYCOPY TO O-G-G
SUBMIT IN DUPLICATE(See other
instructions
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-14791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico Federal "A"

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

So. Salt Lake Morrow Gas

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

Sec. 4, T-21-S, R-32-E

12. COUNTY OR
PARISH

Lea

13. STATE

N. M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DEW ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Cleary Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Drawer 2358, Midland, Texas 79702

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

At surface 1980' FNL & 1980; FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

Letter of

11-21-77

15. DATE SPUDDED 3-23-78 16. DATE T.D. REACHED 6-2-78 17. DATE COMPL. (Ready to prod.) 7-8-78 18. ELEVATIONS (DF, REB, BT, GR, ETC.)* 3673' GR ; 3710' KB 19. ELEV. CASINGHEAD 3670'

20. TOTAL DEPTH, MD & TVD 14047' 21. PLUG, BACK T.D., MD & TVD 13710' 22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS 0 - 14047' CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

13314' - 13693' Morrow

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Acoustic Velocity Neutron, Compensated Acoustic Velocity, Forxo-Guard, Micro-Seismogram Collar, Gamma-Ray-Neutron Collar

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well) * Circulated Cement

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	473'	17 1/2"	650 sx*	---
9 5/8"	53.5#	5192'	12 1/2"	1st st-1150 sx; DV tool set @ 3272'; 2nd - 2100sx*	---
5 1/2"	17 & 20#	14047'	7 7/8"	675 sx	---

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	13202'	13202'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

See attached sheet for perforation record.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13730 - 13740' (plgd off w/CIBP)	2150 gals. 10% Morrowflo acid & 1000 SCF/bbl N ₂
13314 - 13693'	3150 gals 10% Morrowflo acid & 1000 SCF/bbl N ₂

33.*

PRODUCTION

83.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
8-3-78		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
8-9-78	24	28/64"	→	24	1950	1	81250	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
775	---	→	24	1950	1	51.8		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

Clarence Forister

35. LIST OF ATTACHMENTS

Perforation Record, C-122, Deviation Report, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Asst. Dist. Prod. Mgr.

DATE 8-23-78

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

Indicate the formation, interval, and completion of porous zones, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recovery

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAN DEPTH	TRUE VERT. DEPTH
Lwr. Morrow	13823'	13842'	DST #1 Opened tool @ 11:47 a.m. 6-16-78 w/weak blow. Shut-in tool @ 12:17 p.m. (30" initial flow) for 92" initial shut-in period. Opened tool @ 1:49 p.m. w/slight blow immediately decreasing to nothing. Tool opened for 180". IHMP 7066 PSIG; IFP (30") 45.2 increasing to 50.9 PSIG; ISIP (92") 166.7 PSIG; FFP (180") 59.4 decreasing to 42.4 PSIG; FSIP (948") 1512.6 PSIG; FHMP 7069 PSIG. No recovery in sample chamber. Rec 60' brine wtr in tbq.	Rustler Anhy. (Base Red Beds) Yates Capitan Reef (est) Delaware Mtn. Sands Bone Springs Wolfcamp Strawn Atoka Upper Morrow Lower Morrow Barnett Shale	1384' 3422' 3610' 5222' 8400' 10900' 12482' 12634' 13152' 13784' 13907'	
Morrow	13730'	13740'	DST #2 Opened tool @ 9:00 a.m. 6-20-78 w/weak blow. Closed tool @ 9:35 a.m. Opened tool @ 11:07 a.m. for 2nd flow period w/very weak blow. Left tool open for 3 hrs. Closed in tool @ 2:09 p.m. IHMP 7362 PSIG; IFP (35") 46.8 & 46.8 PSIG; ISIP (92") 1988 PSIG; FFP (180") 32.8 & 32.8 PSIG; FSIP (1080") 4713 PSIG; FHMP 7270 PSIG. No recovery in sample chamber. Rec. 20' of saturated brine wtr.			