District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address.	2 OGRID Number
TIPPERARY OIL & GAS CORPORATION 633 17TH STREET, SUITE 1550 DENVER, CO 80202	023148
	3 API Number 30 - 025-29532

4 Property Code	5 Property Name	6 Well No.
011531	TIPPERARY 4 STATE	2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	4	17S	37E.		1980	NORTH	2130	WEST	LEA

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	4	17S	37E.		1980	NORTH	2130	WEST	LEA

9 Proposed Pool 1	10 Proposed Pool 2
LOVINGTON/GRAYBURG SAN ANDRES	

11 Work Type Code	12 Well Type Code	13 Cable/Rotary	14 Lease Type Code	15 Ground Level Elevation
P	O	N/A	S	3786'
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
NO	PBTD 11,000'	SAN ANDRES	N/A	12/7/85

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

PLEASE SEE ATTACHED PROCEDURE.

Permit Expires 1 Year From Approval Date Unless Drilling Underway
Plugback

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION
Signature: Kent Keller	Approved by: ORIGINAL SIGNED BY CHARLIE PERRIN DISTRICT I SUPERVISOR
Printed name: KENT KELLER	Title:
Title: ENGINEERING TECH	Approval Date: JUL 21 1999 Expiration Date:
Date: 7/1/99 Phone: 303.293.9379	Conditions of Approval: Attached ☐

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-025-29532	40580	LOVINGTON/GRAYBURG SAN ANDRES

4 Property Code	5 Property Name	6 Well Number
011351	TIPPERARY 4 STATE	2

7 OGRID No.	8 Operator Name	9 Elevation
023148	TIPPERARY OIL & GAS CORPORATION	3786'

10 Surface Location

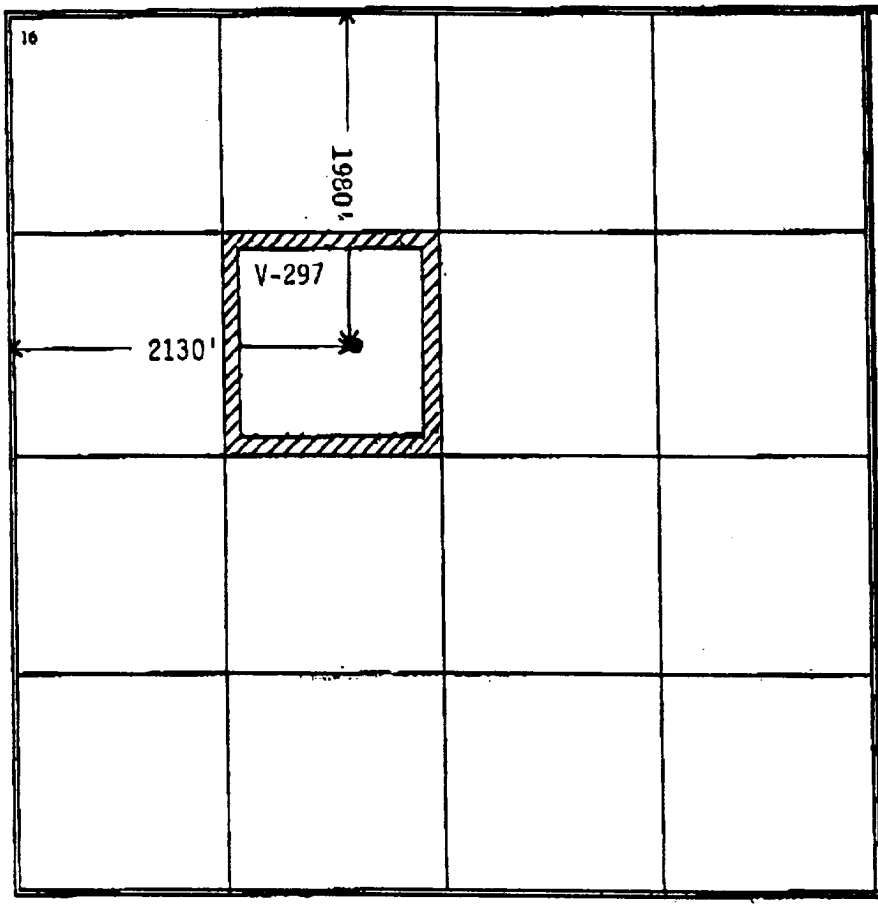
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	4	17S	37E		1980	NORTH	2130	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	4	17S	37E		1980	NORTH	2130	WEST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
40	N	0	NOT APPLICABLE

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Kent Keller
Signature
KENT KELLER
Printed Name
ENGINEERING TECH
Title
JULY 2, 1999
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number

'IPPERARY STATE #4-2
Sec 4-T17S-R37E
Lea County, New Mexico
Re-completion in San Andres
AFE # 0699-R001

Casing: 5½", 17#, N-80/K-55 set @ 11,300'. Cmt. w/300 sx., TOC @ 9790', PBTD 11,243, TD 11,300',
Tubing: 2 3/8", N-80 @ 10,191'
Current Perforations: Strawn @ 11,063' – 11,188' OA w/ 40 holes
Current Production: Well produced an average of 2.32 BOPD + 29 MCFD during April, 1999.
Mechanical Condition: Well has developed a casing leak.

Workover Procedure:

1. MIRU Service Unit. NDWH. NU BOPE. TOH w/ pump & rods, TOH w/tubing.
2. TIH w/4¾" bit and casing scraper and 2 3/8", N-80 used tubing to11,000'. Hydro-test tubing to 5000 psi. TOH.
3. TIH w/RBP & packer and isolate casing leak. Establish pump rate and pressure to determine squeeze procedure. Appropriate cement slurry design will be determined by pump rate and pressure. Depending on location, leak(s) may need to cement squeezed. Cement squeeze casing leak as needed. Drill out cement as needed.
4. TIH w/CIBP, set @11,000' and plug back Strawn perfs w/5 sx cmt on top of CIBP. TOH.
5. RU wireline. RIH and perforate 4 squeeze holes/ft. w/90 degree phasing @ 5240' and 5040'.
6. TIH w/packer and set @ 5000', pressure test casing to 500 psi. Reset packer @ 5220' and try to establish circulation between squeeze perfs. If circulation is established, obtain pump rate and pressure. Appropriate cement slurry design will be determined by pump rate and pressure.
7. If circulation is established, TOH and PU CICR, TIH and set @ 5220'. Squeeze cement through perfs @ 5240' taking returns out perfs @ 5040'.
8. If circulation could not be established, squeeze holes @ 5240' under packer, pull up and squeeze holes @ 5040' under packer.
9. RU power swivel and drill out cement, test to 500 psi.
10. RU wireline company, run CBL. If adequate bonding is evident, RIH and perforate the following intervals w/3 1/8" centralized casing guns, 2 JSPF, 16 gram charges, 90 degree phasing. Correlate to FDC/CNL dated 1/4/86.

San Andres Perforations

5106-16'	10'
5120-32'	12'
5136-42'	6'
5160-66'	6'
Total	34'

11. TIH w/SN, pkr, and by-pass valve. Set Pkr. @ 5050'. Drop standing valve and open by-pass valve and pickle tubing w/500 gal 15% HCL + additives. Reverse-out spent acid. Close by-pass and pull standing valve. Acidize perforations 5106-66' OA w/3400 gal. (100 gal./ft.) 15% HCL + additives + diverter.
12. RU to swab and swab back acid load and establish oil cut and fluid entry rate as needed.
13. TOH w/pkr.
14. TIH w/appropriate production string and production test well.