

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

Operator Name and Address: Conoco Inc 10 Desta Dr. Ste. 100W Midland, Tx. 79705-4500		OGRID No_ 005073
Property Code 003109	Property Name State KN-12	API Number 30-0 025-26179
		Well No. # 6

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	12	19S	36E		1980	South	660	West	Lea

s 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
Proposed Pool 1 Eumont (Yates, Seven Rivers, Queen) 22800					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease type Code	14 Ground Level Elevation
16 Multiple	G 17 Proposed Depth	18 Formation	S 19 Contractor	20 Spud Date

21 Proposed Casing and Cement Program

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

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.

Conoco proposes to add perforations to this well in the Eumont pool using the attached procedure.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Plug-Back

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Kay Maddox</i>		OIL CONSERVATION DIVISION ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER	
Printed name: Kay Maddox		Title: PETROLEUM ENGINEER	
Title: Regulatory Agent		Approval Date: Expiration Date:	
Date: April 2, 2002	Phone: (915) 686-5798	Conditions of Approval: Attached APR 11 2002	

Procedure

1. RU pump truck and pressure test casing to 3900 psi. RD pump truck.
2. RU pulling unit. Install 5,000 WP BOP stack and test to 5,000 psi as per SOP.
3. TIH with 2 7/8" J-55 tubing and tag PBTD. Circulate out hole with 8.6 ppg brine. Spot 9 ppg brine pill from 3771' back to 3700'. PU to \pm 3700' and spot 500 gallons 15% HCL. POOH.
4. RU Baker Hughes. Install lubricator with pack-off. RIH with 4" HSC casing guns loaded 2 JSPF with 19 gm charges (0.43" hole diameter) in 120 degree phasing to perforate the Queen in acid. Use the Dresser Atlas GR/CNL/FDL dated 2.9.1979 for depth correlation on the following Queen interval. Correlate perforations using the GR curve.

<u>Interval</u>	<u>NEP</u>	<u>Shots</u>
3684' - 3698'	14	29
Total Queen	14'	29

5. ND BOP's and NU 5,000 psi frac valve and spool. Test frac valve to 4,000 psi.
6. RU BJ services to the 5,000 PSIG WP frac valve to pump the acid breakdown and sand frac the Queen down the 5 1/2", 15.5# casing. Install treating line with a remote access ball injector and a nitrogen actuated relief valve set at 3500 psi. Pump the spearhead acid breakdown and Viking 3000 treatment as per attached BJ procedure. **NOTE:** Ball sealers will not be used during the acid breakdown and the frac is not to be radioactively tagged.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	4000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system	3800	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : 300 psig less than 90% MAWP or, 300 psig over MATP	3500	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	2950	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	2700	PSIG

7. Shut down and record ISIP, 5, 10 and 15 minute pressures. Close wellhead valve and remove BJ connections from the wellhead.
8. Install lubricator with packoff and PU RBP. RIH with RBP on wireline and set at 3600'. PU wireline dump bailer and dump sand on top of RBP. Load the casing and pressure test RBP to 3,800 psi.
9. PU and RIH with 4" HSC casing guns loaded 4 JSPF with 19 gm charges (0.43" hole diameter) in 120° phasing. Perforate the following Seven Rivers intervals, using the Dresser Atlas GR/CNL/FDL dated 2.9.1979 for correlation. Correlate perforations using GR curve.

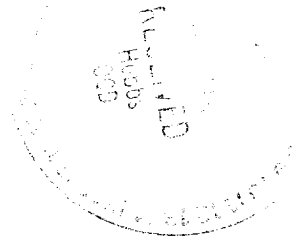
<u>Interval</u>	<u>NEP</u>	<u>Shots</u>
3381' - 3386'	5'	21
3422' - 3432'	10'	41
Total Seven Rivers	15'	62

10. Reconnect BJ services to the frac valve. Install nitrogen actuated relief valve and remote automated ball injector. RU BJ services to the 5,000 PSIG WP frac valve to pump the acid breakdown and sand frac the Seven Rivers down the 5 1/2", 15.5# casing. Install treating line with a remote access ball injector and a nitrogen actuated relief valve set at 3500 psi. Pump the spearhead acid breakdown and Viking 3000 treatment as per attached BJ procedure. Surge 1.3 S.G., 7/8" ball sealers off perforations prior to performing frac. **NOTE:** The frac is not to be radioactively tagged.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	4000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system	3800	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : 300 psig less than 90% MAWP or, 300 psig over MATP	3150	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	2950	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	2700	PSIG

11. Shut down and record ISIP, 5, 10 and 15 minute pressures. RD BJ. Close wellhead valve and remove BJ connections from the wellhead.
12. Install lubricator with packoff and PU RBP. RIH with RBP on wireline and set at 3000'. PU wireline dump bailer and dump sand on top of RBP. Load the casing and pressure test the RBP to 3800 psi.
13. PU and RIH with 4" HSC casing guns loaded 2 JSPF with 19 gm charges (0.43" hole diameter) in 120° phasing. Perforate the following Yates intervals, using the Dresser Atlas GR/CNL/FDL dated 2.9.1979 for correlation. Correlate perforations using GR curve.

<u>Interval</u>	<u>NEP</u>	<u>Shots</u>
2755' - 2758'	3'	7
2765' - 2774'	9'	19
2805' - 2811'	6'	13
2820' - 2826'	6'	13
2844' - 2847'	3'	7
2856' - 2863'	7'	15
2867' - 2872'	5'	11
2876' - 2877'	1'	3
Total Yates	40'	88



14. Reconnect BJ services to the frac valve. Install nitrogen actuated relief valve and remote automated ball injector. RU BJ services to the 5,000 PSIG WP frac valve to pump the acid breakdown and sand frac the Yates down the 5 ½", 15.5# casing. Install treating line with a remote access ball injector and a nitrogen actuated relief valve set at 3500 psi. Pump the spearhead acid breakdown and Viking 3000 treatment as per attached BJ procedure. Surge 1.3 S.G., ⅞" ball sealers off perforations prior to performing frac. **NOTE:** The frac is not to be radioactively tagged.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	4000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system	3800	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : 300 psig less than 90% MAWP or, 300 psig over MATP	3500	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	2950	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	2700	PSIG

15. Shut down and record ISIP, 5, 10 and 15 minute pressures. RD BJ.
16. Flow back to the test tank until the well cleans up or dies. ND the frac valve. If necessary, kill the well with 8.6 ppg brine water prior to removing the frac valve.
17. NU BOP and test to 5,000 PSIG according to SOP.
18. TIH with 2 ⅞" tubing. Tag sand and reverse circulate out to RBP at 3000'. Release RBP and TOOH.
19. TIH with 2 ⅞" tubing. Tag sand and reverse circulate out to RBP at 3600'. Release RBP and TOOH.
20. TIH with 2 ⅞" tubing and notched collar and tag fill. Clean out to PBTD(3771'). TOOH.
21. TIH with following BHA and set production packer at 2700'.
a) wireline re-entry guide with 2.25" ID No-Go "R" profile nipple
b) 5 ½" MX-1 production packer, 2.375" nominal ID
c) 2 ⅞", 6.4#, J-55 tubing to surface
22. ND BOP and NU wellhead. RU swabbing unit and swab until well kicks off. RD swabbing unit. Notify operator and place on production.

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
B-10233

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name

8. Farm or Lease Name
STATE KN-12

9. Well No.
6

10. Field and Pool, or Wildcat
EUN. YTS TRVRS. QN

2. Name of Operator
Continental Oil Co

3. Address of Operator
PO Box 460 Hobbs, NM 88240

4. Location of Well
UNIT LETTER **L** LOCATED **1980** FEET FROM THE **South** LINE AND **660** FEET FROM

THE **WEST** LINE OF SEC. **12** TWP. **19S** RGE. **36E** NMPM

15. Date Spudded **2-1-79** 16. Date T.D. Reached **2-8-79** 17. Date Compl. (Ready to Prod.) **2-19-79** 18. Elevations (DF, R&B, RT, GR, etc.) **3735' GR** 19. Elev. Casinghead

20. Total Depth **4104'** 21. Plug Back T.D. **4060** 22. If Multiple Compl., How Many **-** 23. Intervals Drilled By Rotary Tools **RTY** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
3828-3997 PENROSE

25. Was Directional Survey Made **YES**

26. Type Electric and Other Logs Run
GR-CNL-FDC-DLL

27. Was Well Cored
NO

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1468'	12 1/4	750 xx	100 xx
5 1/2"	14#	4103'	7 7/8	950 xx	125 xx

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	4000'	

31. Perforation Record (Interval, size and number)
3828-3850 & 3917-3997 w/113PF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3828-3997	2800 GALS. 15% HCl-Na acid
	59,000 gals. FRAC-FLUID
	128,000 # 20/40 & 10/20 sd.
	38 BTFW

33. PRODUCTION

Date First Production **3-11-79** Production Method (Flowing, gas lift, pumping - Size and type pump) **PMP6** Well Status (Prod. or Shut-in) **PROD**

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
3-11-79	24	NA		20	79	15	3950

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
NA	NA		20	79	15	37

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

35. List of Attachments
WDCATG3

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **Wm A Butler** TITLE **Admin. Supr** DATE **3-23-79**

NMCD 4
FILE

W MEXICO OIL CONSERVATION COMMISSION
W LOCATION AND ACREAGE DEDICATION PLAT

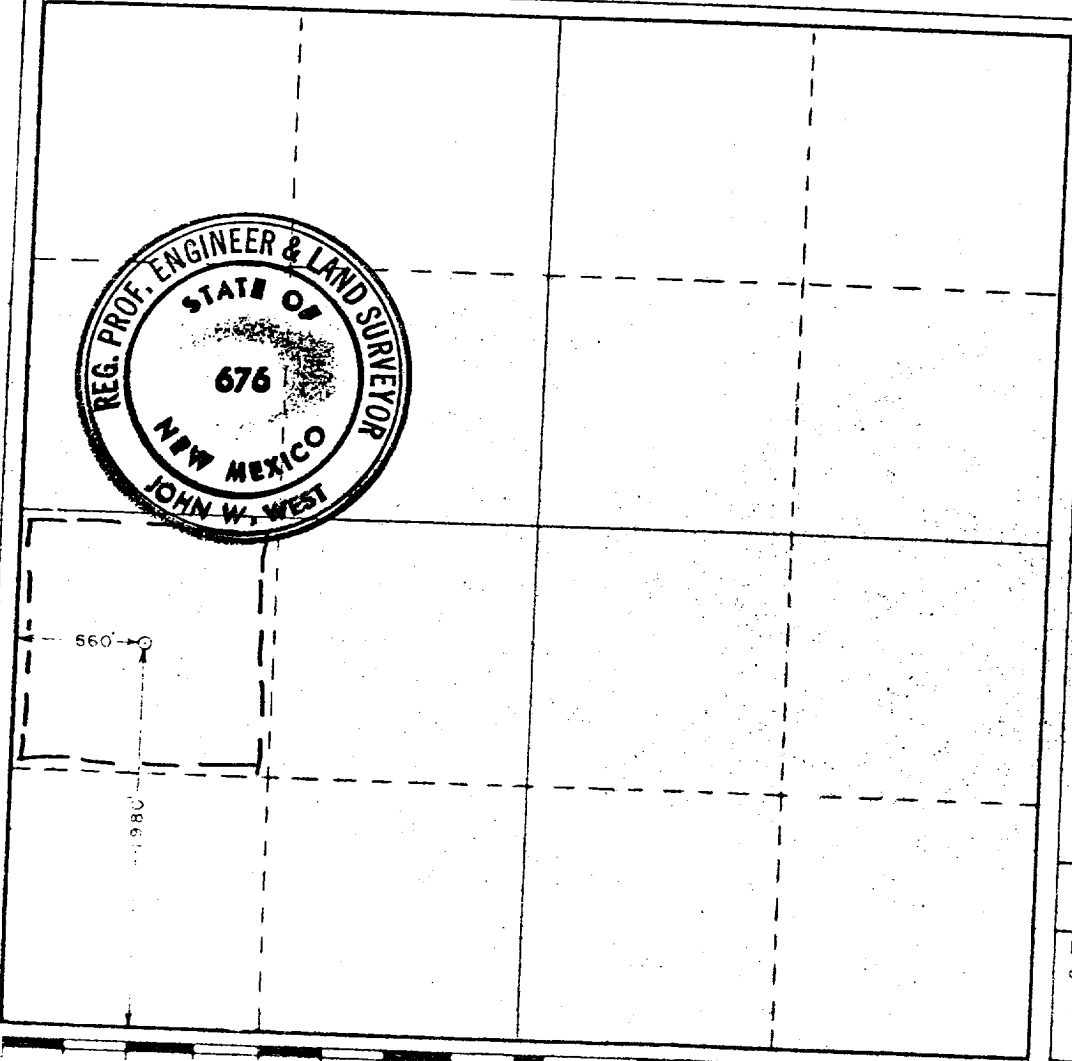
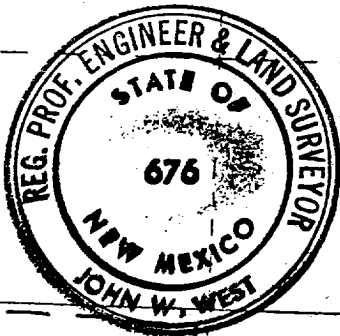
Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Continental Oil Co.			Lease			State K N "12"			Well No. 6		
Section	12	Township	19 South	Range	36 East	County	Lea				
Actual Plotage Location of Well:											
1980			feet from the South line and 660			feet from the West line					
Ground Level Elev. 3737.0			Producing Formation ELMONT QUEEN			Pool ELMONT QUEEN TRAPS ON			Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name John A. Butterfield
 Position Administrative Supervisor
 Company Continental Oil Company
 Date December 22, 1978

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 knowledge and belief.

Date Surveyed
October 21, 1978

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. John W. West 676
Ronald J. Edison 3239

