District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, 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

Oil Conservation Divsiion
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

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
ConocoPhillips Company 4001 Penbrook Street Odessa, TX 79762	217817 [3] API Number 30- 025-24731

[4] Property Code	[5] Property Name	[6] Well No.
31092	Devon State	1

[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
I	22	17-S	33-E		1874	South	554	East	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

[9] Proposed Pool 1	[10] Proposed Pool 2
Maljamar Grayburg-San Andres (43329)	Maljamar Grayburg-San Andres (43329

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
~~P~~	P	Rotary	State	4139'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO	11,487'	GB/SA	NA	Upon Approval

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	61# K-55	424'	540 sx	Circ 90 sx
12-1/4"	9-5/8"	36# K-55	4265'	550 sx	NA
7-7/8"	5-1/2"	17# N-80	11486'	350 sx	9550 (TS)

[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.

Plug back, please see attached procedure.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Plug-Back

MAR 2003
RECEIVED
Hobbs
OCD

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Alva Franco

Printed name: Alva Franco

Title: Regulatory Assistant

Date: 3/19/03

Phone: 915/368-1665

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY PAUL F. KAUTZ

Title: PETROLEUM ENGINEER

Approval Date: MAR 21 2003

Expiration Date:

Conditions of Approval:

Attached ☐

CONOCOPHILLIPS COMPANY

Permian Basin Business Unit

DEVON STATE #1, RECOMPLETE TO GRAYBURG

Recommended Procedure

1. RU wireline. Dump bail 25' of cement on top of CIBP at 10,970'.
2. MIRU DDU. Hook up workover pit. ND wellhead and NU shop tested, Class 2, 3000 psi BOP and environmental tray.
3. TIH w/ bit and casing scraper to 6460'+/-. TOOH w/ casing scraper and bit.
4. TIH w/ 5 1/2" RBP and 5 1/2" treating packer on 2 3/8" work string. Set RBP at 6450'+/- and test uphole for casing leak.
5. If casing leak is not identified, TOOH w/ WS, packer, and RBP. Go to Step #9.
6. If casing leak is identified, isolate casing leak and obtain pump-in rate and pressure for squeeze design.
7. If casing leak is identified above 6100', dump sand on RBP and RIH with cement retainer on tubing for cement squeeze of production casing. Squeeze casing leak as per service company and engineer recommendation. TOOH w/ tubing. Drill out cement. TIH w/ treating packer on tubing. Test cement squeeze. Wash sand off RBP, retrieve RBP, and TOOH w/ WS, packer, and RBP. Go to Step #9.
8. If casing leak is identified between 6100-6400', TOOH w/ WS, packer, and RBP. RIH with cement retainer on tubing for cement squeeze of production casing. Squeeze casing leak as per service company and engineer recommendation to raise TOC behind casing to 6100'+/-. Go to Step #10.
9. Perforate squeeze holes at 6200' in Paddock formation w/ 2 SPF. RIH with cement retainer on tubing and set cement retainer at 6100'+/-. Squeeze perfs at 6200' to raise TOC behind casing to 6100'+/-. Use a minimum of 100 sacks of cement for inside and outside of casing.
10. MIRU wireline. Run GR-CCL-CBL from 5500' to 4000'. If TOC above 4100', go to Step #11. If TOC below 4100', perforate and cement squeeze to raise TOC behind 5 1/2" casing to 4100'+/-.
11. TIH w/ bit and casing scraper. CO to 4600'+/-. TOOH w/ casing scraper and bit.
12. Perforate Grayburg Zone 3 from 4336-40', Grayburg Zone 4 from 4370-74', Grayburg Zone 5 from 4418-20', 4428-33', 4462-64', Grayburg Zone 6 from 4493-98', 4504-05', 4517-24', 4526-32', 4536-44', 4548-55', 4557-71' w/ 4 SPF (264 holes, 0.38" diameter, 90 degree phasing) using 4" casing gun as per Schlumberger Sidewall Neutron Porosity Log dated 8/24/74 (log section attached). RDMO wireline. Perforating detail is as follows:

Grayburg Zone 3	4336' - 4340'	4'	4 SPF	16 holes
Grayburg Zone 4	4370' - 4374'	4'	4 SPF	16 holes
Grayburg Zone 5	4418' - 4420'	2'	4 SPF	8 holes
Grayburg Zone 5	4428' - 4433'	5'	4 SPF	20 holes
Grayburg Zone 5	4462' - 4464'	2'	4 SPF	8 holes
Grayburg Zone 6	4493' - 4498'	5'	4 SPF	20 holes
Grayburg Zone 6	4504' - 4505'	1'	4 SPF	4 holes
Grayburg Zone 6	4517' - 4524'	7'	4 SPF	28 holes
Grayburg Zone 6	4526' - 4532'	6'	4 SPF	24 holes
Grayburg Zone 6	4536' - 4544'	8'	4 SPF	32 holes
Grayburg Zone 6	4548' - 4555'	7'	4 SPF	28 holes
Grayburg Zone 6	4557' - 4571'	14'	4 SPF	56 holes
TOTAL		65'		260 holes

13. PU and TIH with 5 1/2" RTTS packer and Type 3L RBP w/ large ball catcher (holds 350+/- 7/8" balls) on 2 7/8" workstring. Test workstring to 6500# while GIH. Set RBP at 4600'+/-. Set packer at 4585'+/- and test RBP to 1000#. Release packer and move packer to 4510'+/-.
14. Test all surface lines to 3500 psig. Spot acid to end of tbg, set pkr, & acidize Grayburg perfs 4517-24', 4526-32', 4536-44', 4548-55', & 4557-71' w/ 4200 gallons of 15% NEFE HCl using 210 BioBalls spaced evenly at 5-6 BPM and max P of 3000 psig. Flush to 4571' w/ fresh water. Overflush w/ 4 bbl of fresh water. Record ISIP.
15. Release pkr & retrieve RBP. Set RBP at 4510'+/-. Move packer to 4450'+/-.
16. Spot acid to end of tbg, set pkr, & acidize Grayburg perfs 4462-64', 4493-98', & 4504-05' w/ 800 gallons of 15% NEFE HCl using 40 BioBalls spaced evenly at 3-4 BPM and max P of 3000 psig. Flush to 4505' w/ fresh water. Overflush w/ 2 bbl of fresh water. Record ISIP.
17. Release pkr & retrieve RBP. Set RBP at 4450'+/-. Move packer to 4400'+/-.
18. Spot acid to end of tbg, set pkr, & acidize Grayburg perfs 4418-20' & 4428-33' w/ 700 gallons of 15% NEFE HCl using 35 BioBalls spaced evenly at 3-4 BPM and max P of 3000 psig. Flush to 4433' w/ fresh water. Overflush w/ 2 bbl of fresh water. Record ISIP.
19. Release pkr & retrieve RBP. Set RBP at 4400'+/-. Move packer to 4350'+/-.
20. Spot acid to end of tbg, set pkr, & acidize Grayburg perfs 4370-74' w/ 400 gallons of 15% NEFE HCl using 20 BioBalls spaced evenly at 3-4 BPM and max P of 3000 psig. Flush to 4374' w/ fresh water. Overflush w/ 1 bbl of fresh water. Record ISIP.
21. Release pkr & retrieve RBP. Set RBP at 4350'+/-. Move packer to 4320'+/-.
22. Spot acid to end of tbg, set pkr, & acidize Grayburg perfs 4336-40' w/ 400 gallons of 15% NEFE HCl using 20 BioBalls spaced evenly at 3-4 BPM and max P of 3000 psig. Flush to 4340' w/ fresh water. Overflush w/ 1 bbl of fresh water. Record ISIP.
23. Release pkr & retrieve RBP. Set RBP at 4600'+/-. Set packer at 4310'+/-.
24. RU swab equipment and swab test. RD swab equipment.
25. MIRU pumping service company. Test surface lines to 6000 psig and pressure annulus to 500 psig. Fracture treat Grayburg perfs 4336-4571' overall w/ 15,000 gallons of YF130ST and 23,000 gallons of YF125ST carrying 41,500 lbs of 16/30 mesh Brady sand and 60,000 lbs of 16/30 mesh Brady sand with 1.5% PropNET. Treat down 2 7/8" workstring at 20 BPM with max P of 5500 psig (anticipated treating P of 4000 psig) as follows:
    a. Pump 15,000 gallons of YF130ST (30#) Pad.
    b. Pump 2,000 gallons of YF125ST (25#) with 1 ppg 16/30 Brady Sand (2,000 lbs).
    c. Pump 2,500 gallons of YF125ST (25#) with 2 ppg 16/30 Brady Sand (5,000 lbs).
    d. Pump 2,500 gallons of YF125ST (25#) with 3 ppg 16/30 Brady Sand (7,500 lbs).
    e. Pump 3,000 gallons of YF125ST (25#) with 4 ppg 16/30 Brady Sand (12,000 lbs).
    f. Pump 3,000 gallons of YF125ST (25#) with 5 ppg 16/30 Brady Sand (15,000 lbs).
    g. Pump 10,000 gallons of YF125ST (25#) with 6 ppg 16/30 Brady Sand using 1.5% PropNET (60,000 lbs).
    h. Flush w/ 1,080+/- gallons of WF125.
    i. Record ISIP, 5 min, 10 min, and 15 min shut in pressures.
    j. Shut in well until gel breaks.
26. RU swab equipment and swab test. RD swab equipment.
27. Unseat packer. TOOH w/ 2 7/8" workstring and packer.
28. Clean out sand using hydrostatic bailer to 4600'+/-. Retrieve RBP. TOOH w/ 2 7/8" workstring and RBP.
29. Haul in 2 3/8" tubing and rods. TIH with 2 3/8" production tubing.
30. ND BOP and NU WH.
31. RIH with pump and rods. Swap out pumping unit if necessary.
32. Hang well on. RDMO DDU and place well on production. Report results in DIMS for three days and drop from report.

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Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-24731	43329	Maljamar Grayburg-San Andres

[4] Property Code	[5] Property Name	[6] Well Number
31092	Devon State	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	4139' GR

[10] Surface Location

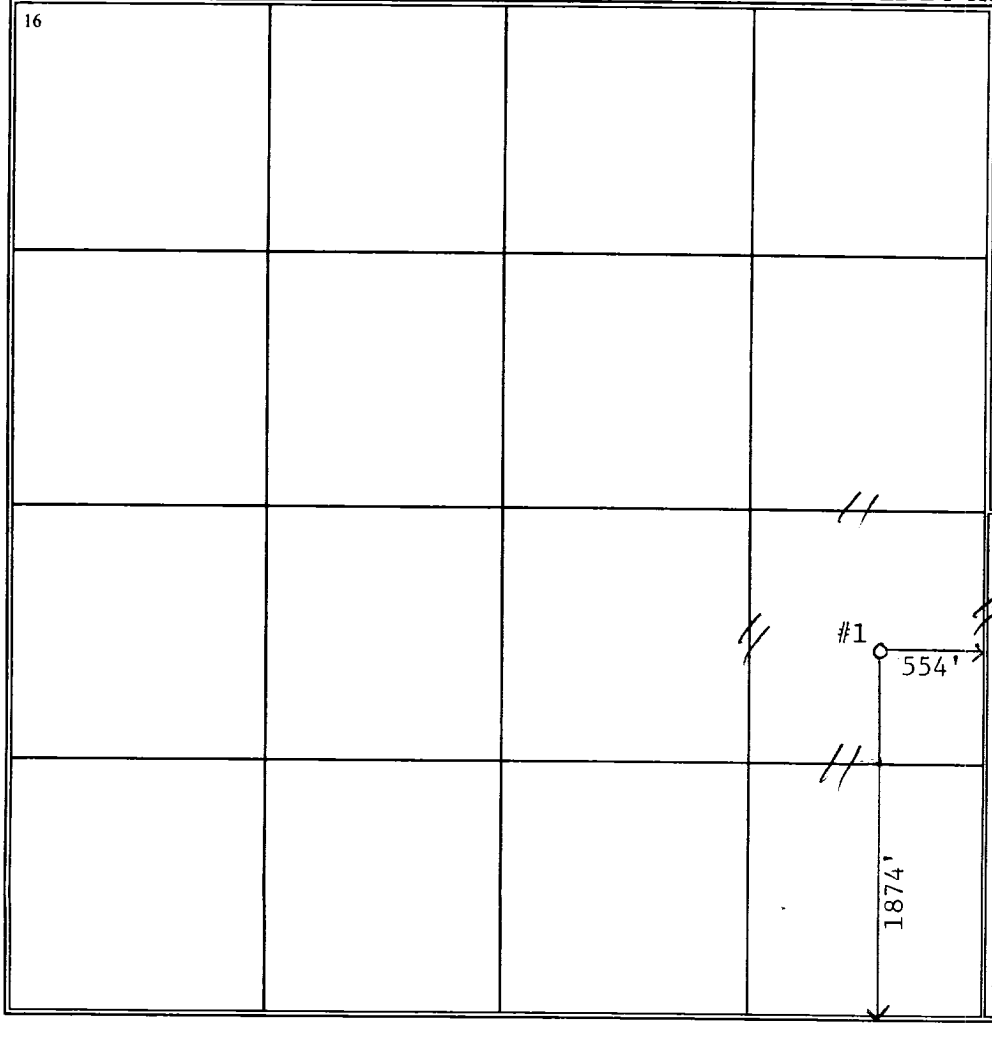
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	22	17-S	33-E		1874	South	554	East	Lea

[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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

Signature

Alva Franco

Printed Name

Regulatory Assistant

Title

March 19, 2003

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.

March 19, 2003

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number