

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
Revised March 17, 1999

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

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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 Phillips Petroleum Company 4001 Penbrook Street Odessa, TX 79762		² OGRID Number 017643
		³ API Number 30 30-025-03059
⁴ Property Code 9166	⁵ Property Name VACUUM GB/SA UNIT EAST TRACT 0546	⁶ Well No. 038

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
B	5	18-S	35-E		660	NORTH	1980	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
BC	5	18-S	35-E		660	NORTH	2100	WEST	LEA
⁹ Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES					¹⁰ Proposed Pool 2				

¹¹ Work Type Code D	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3957'
¹⁶ Multiple	¹⁷ Proposed Depth 4800' TVD/5707' MD	¹⁸ Formation SAN ANDRES	¹⁹ Contractor SPERRY-SUN	²⁰ Spud Date 11/20/00 APPROX.

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	25#	1563	608	
8-3/4"	7"	24#	4107'	400	

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.

**Drill a 6-1/8" vertical hole from current T.D. (4642') to 4800'.
Spot cement plug from 4250' - 4500'
K.O.P. @ 4401'**

Drill a 1200' 6-1/8" lateral hole to 5707' M.D. at an 85 degree angle of inclination.

Directional

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: <i>L. M. Sanders</i>			
Printed name: L. M. SANDERS		Approved by:	
Title: SUPERVISOR, REGULATION/PRORATION		Title:	
Date: 11/10/00		Approval Date:	
Phone: 915/368-1488		Expiration Date:	
		Conditions of Approval:	
		Attached ☐	

State of New Mexico

Form C-102

E. gy, Minerals & Natural Resources Dep. ment

Revised October 18, 199

Instructions on bac

Submit to Appropriate District O

State Lease - 4 Copie

Fee Lease - 3 Copie

District I

PO Box 1960, Hobbs, NM 88241-1960

District II

811 S. 1st Street, Artesia, NM 88210-2834

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

AMENDED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-03059		² Pool Code 62180		³ Pool Name VACUUM GRAYBURG SAN ANDRES	
⁴ Property Code 9166		⁵ Property Name VACUUM GB/SA UNIT EAST TRACT #0546			⁶ Well Number 038
⁷ OGRID No. 017643		⁸ Operator Name Phillips Petroleum Company			⁹ Elevation 3957'

¹⁰ Surface Location

UL or lot no. B	Section 5	Township 18-S	Range 35-E	Lot. Idn.	Feet from the 660	North/South Line NORTH	Feet from the 1980	East/West line EAST	County LEA
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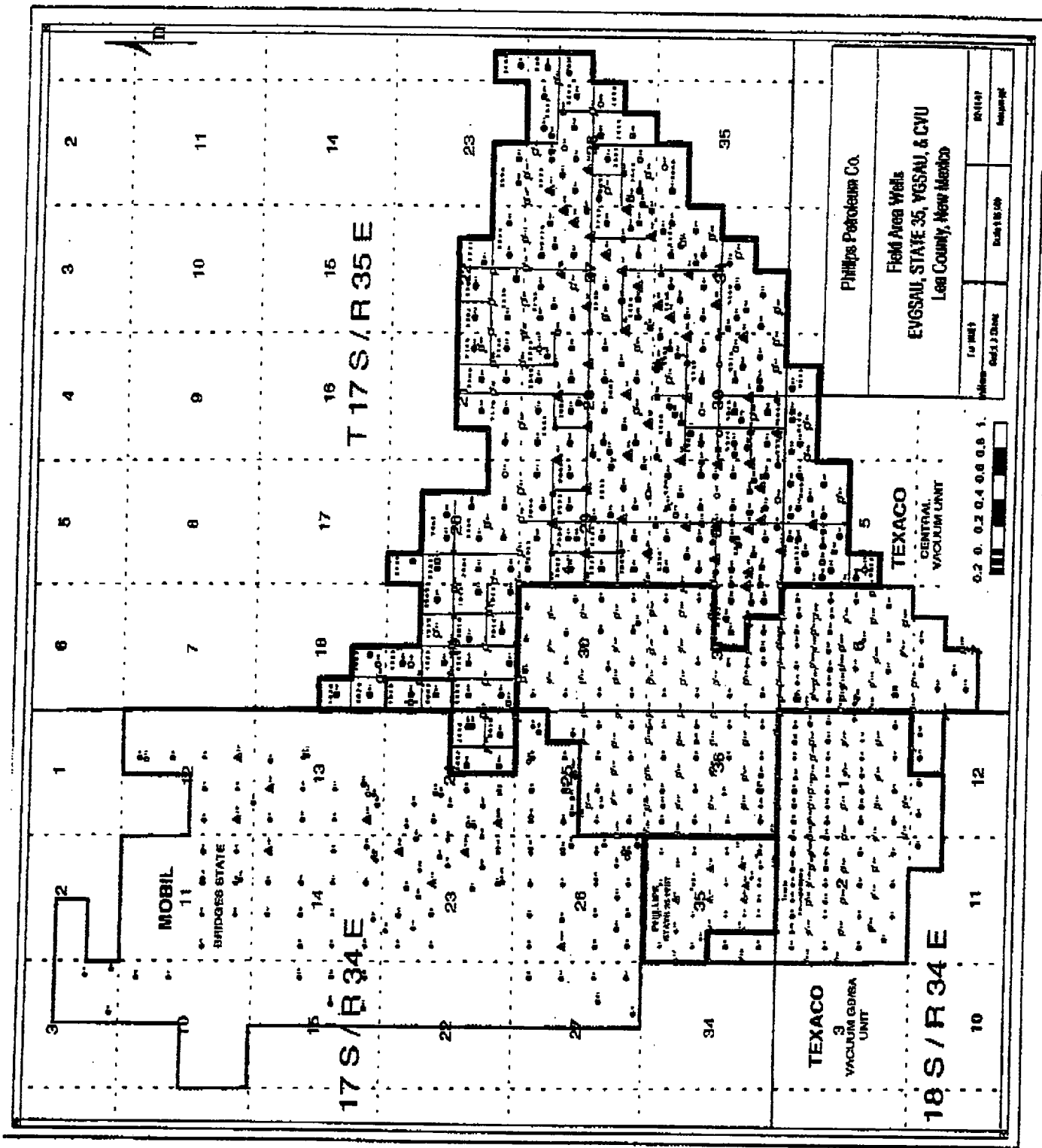
¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 5	Township 18-S	Range 35-E	Lot. Idn.	Feet from the 660	North/South Line NORTH	Feet from the 2100	East/West line WEST	County LEA
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¹² Dedicated Acres 4.320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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. <i>L. M. Sanders</i> Signature L. M. SANDERS Printed Name SUPV., REGULATION/PRORATION Title 11/10/00 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. 01/24/40 Date of Survey Signature and Seal of Professional Surveyer: (location staked & surveyed by Phillips Petroleum Co. 01/24/40) Certificate Number



Sperry-Sun Drilling Services

Proposal Report for EVGSAU 0546-038 - Plan-11.7.00

Your Ref: Horizontal "S" Proposal

Phillips Petroleum
New Mexico

Lea County
Sec. 5-T18S-R35E

Measure d Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4401.00	0.000	0.000	4401.00	0.00 N	0.00 E	0.00	
4420.00	6.082	270.000	4419.96	0.00 N	1.01 W	1.01	32.01
4440.00	12.484	270.000	4439.69	0.00 N	4.23 W	4.23	32.01
4460.00	18.885	270.000	4458.94	0.00 N	9.64 W	9.64	32.01
4480.00	25.287	270.000	4477.46	0.00 N	17.15 W	17.15	32.01
4500.00	31.689	270.000	4495.03	0.00 N	26.69 W	26.69	32.01
4520.00	38.091	270.000	4511.43	0.00 N	38.12 W	38.12	32.01
4540.00	44.493	270.000	4526.45	0.00 N	51.31 W	51.31	32.01
4560.00	50.894	270.000	4539.90	0.00 N	66.09 W	66.09	32.01
4580.00	57.296	270.000	4551.62	0.00 N	82.29 W	82.29	32.01
4600.00	63.698	270.000	4561.47	0.00 N	99.68 W	99.68	32.01
4620.00	70.100	270.000	4569.31	0.00 N	118.07 W	118.07	32.01
4640.00	76.502	270.000	4575.05	0.00 N	137.22 W	137.22	32.01
4660.00	82.903	270.000	4578.63	0.00 N	156.88 W	156.88	32.01
4666.55	85.000	270.000	4579.32	0.00 N	163.40 W	163.40	32.01
4866.55	85.000	270.000	4596.75	0.00 N	362.64 W	362.64	0.00
4900.00	83.997	270.000	4599.96	0.00 N	395.93 W	395.93	3.00
4966.55	82.000	270.000	4608.07	0.00 N	461.98 W	461.98	3.00
5000.00	82.000	270.000	4612.72	0.00 N	495.11 W	495.11	0.00
5066.55	82.000	270.000	4621.99	0.00 N	561.01 W	561.01	0.00
5100.00	83.004	270.000	4626.35	0.00 N	594.17 W	594.17	3.00
5166.55	85.000	270.000	4633.30	0.00 N	660.36 W	660.36	3.00
5709.00	85.000	270.000	4680.58	0.00 N	1200.74 W	1200.74	0.00

All data is in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to Well. Northings and Eastings are relative to Well.

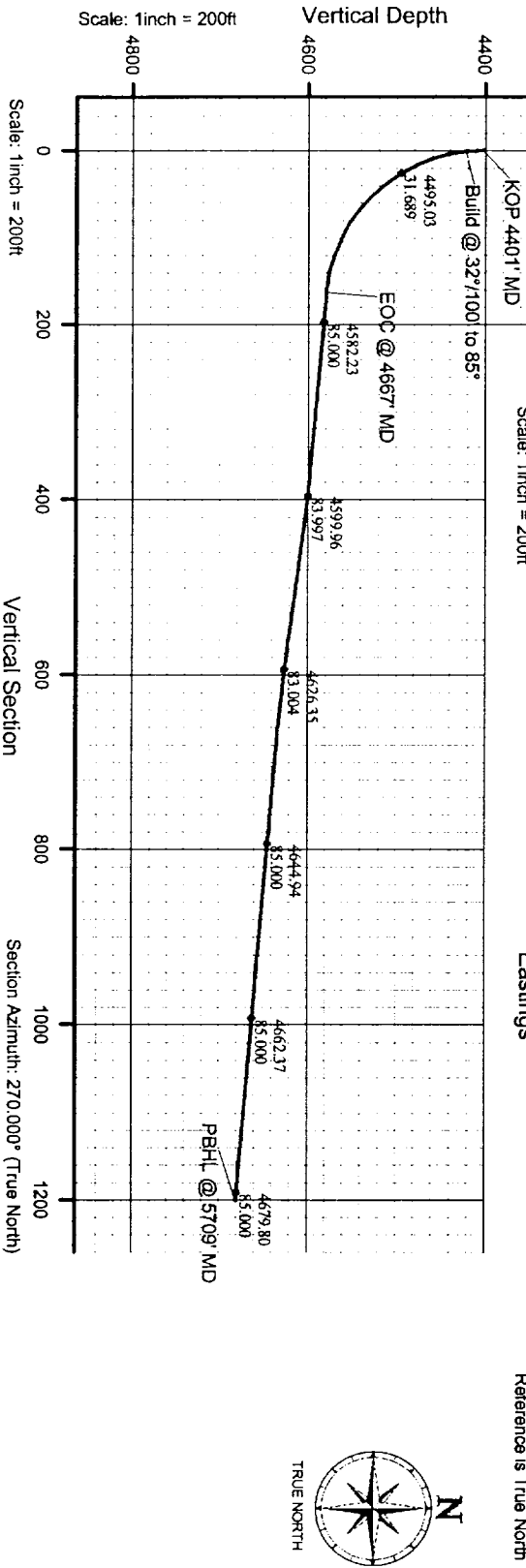
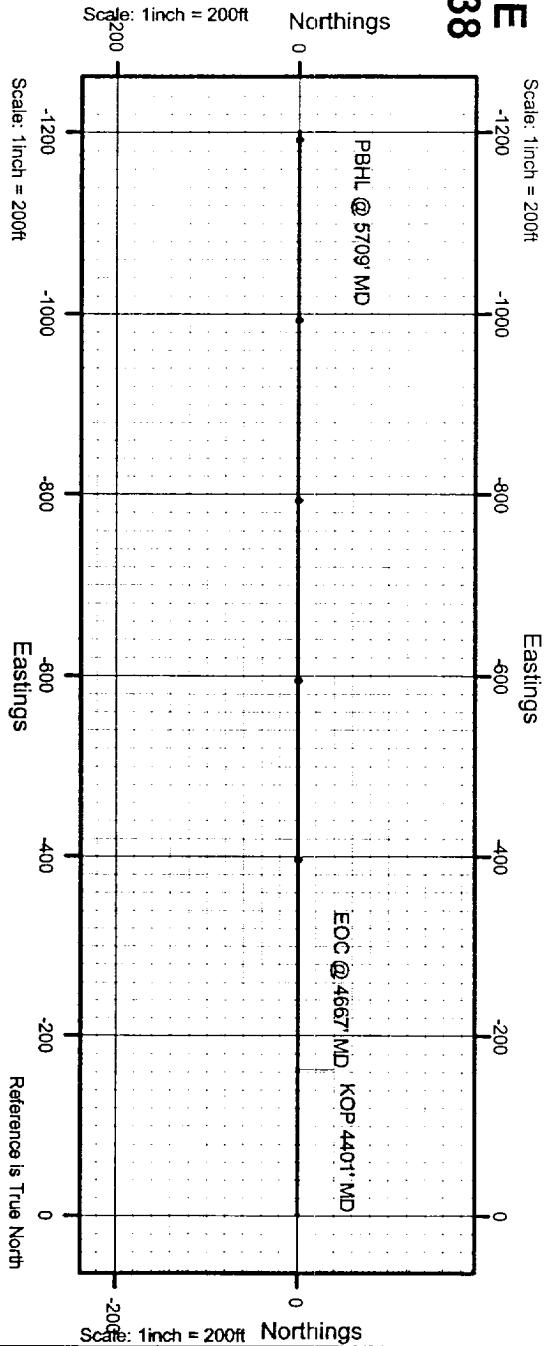
Magnetic Declination at Surface is 8.841° (07-Nov-00)

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Well and calculated along an Azimuth of 270.000° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 5709.00ft.,
The Bottom Hole Displacement is 1200.74ft., in the Direction of 270.000° (True).

New Mexico
Lea County
Sec. 5-T18S-R35E
EVGSAU 0546-038



Section Azimuth: 270.000° (True North)

Prepared By: Robin Johnson

Date/Time: 8 November, 2000 - 9:29

Checked:

Approved: