District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit to appropriate District Office

☐ AMENDED REPORT

APP	<u>LICAT</u>	<u>'IONFO</u> I	R PERMI	<u>r to d</u>	RILL, RE-	ENTE	ER, DE	EEPE	N, PLUGBA	CK,C	<u>)R AI</u>	DD A ZONE
OperatorName and Address ConocoPhillips Company 3300 N. "A" Street, Bldg. 6 #247 Midland, TX 79705									217817		ID Numb	
							30 025- 34 2 2 3					:
³ Property Code ⁵ Property												ell No.
31257 Vacuum Glorieta East Unit						 -	· · · · · · · · · · · · · · · · · · ·				023	5
Vacuum; (Glorieta	" I	ProposedPool 1						10 Prop	osedPoo	ol 2	
					⁷ Surface	Locati	ion					
UL or lot no. F	Section 32	Township Range I 17S 35E		Lot				outh line	Feet from the 1750	East/ West	Westline	County Lea
		· · · · · · · · · · · · · · · · · · ·	⁸ Prop	osed Bott	tom Hole Loca	ation If E	Differen	t From	Surface			
UL or lot no.	Section	Township	Range	Lot	Idn Feet fr	rom the	North/So	outh line	Feet from the	East/	Westline	County
					dditional We		rmatic					
1	Type Code	o	12 Well Type Co		R	le/Rotary		S	Lease Type Code	15 Ground Level Elevation 3967'		
¹⁶ N	Multiple	6400	¹⁷ Proposed Dep	oth	Paddock	rmation		Sledge	" Contractor Drilling		05/1	²⁰ Spud Date 6/07
Depth to Gro	undwater	75'		Distanc	cefrom nearest fres	sh water w			Distance from	n nearest	surfacew	
Pit: Liner	r: Synthetic		lsthick Clay	Pit Vol	lume:20910bbls			1gMethod	<u></u>			.A.
Close	ed-Loop Syst	tem 🗆					Fresh W	/ater X	Brine X Diesel/C	hased	☐ Gas/	Air 🗆
			2	1 Propo	sed Casing a	and Ce	ment F	Progra	m			
Hole S	Size	Casi	ing Size	_	g weight/foot	Setting Depth		Sacks of Cement		Estimated TOC		
2-1/4"		8-5/8"		24#		1600'	1600'		840		Surf.	
7-7/8"		5-1/2"		15.5#		6400'		1200		Surf.		
		<u> </u>										
		 				 						
22 Describe t	he proposed	 program If t	his application	is to DEEP	EN or PLUG BAC	CK give t	he data o	n the nrec	sent productive zone	and pro	nosad na	v mad v ativa
Describe the	blowout pre	vention progr	am, if any. Use	additionals	sheets if necessary	y.	dai 01	n uic pres	sent productive zone	and pro	posed nev	v productive zone.
New Drill I	ocation, r	proposed so	chematic atta	ched .	section brine	e will he	used f	or drilli	ing the producti	on sect	tion	
			or drining th	o surrace					•		1011.	
Proposed B Type	OP Progr Work	ram: ing Pressur	e Test	Pressure	Permi	it Expl	res 1	Year	From Appro	val		
		8 - 1000			Da	ate Un	ile s s [Orilling	g Underway		0293	031 = 120
Annular Blind Ram	5000 5000		2000 3000							130	· Lu	700
Pipe Ram	5000		3000							150	1	7 4 6 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °
										24.25	E.	7.48
										32	2	6
³ I hereby cea	rtify that the	information §	given above is tr	ue and com	plete to the best	<u> </u>		OII C	ONICEDATAT	187	DIVIC	10 de 1
of my knowledge and belief. I further certify that the drilling pit will be						OIL CONSERVATION DIVISION						
constructed according to NMOCD guidelines \square , a general permit \square , or an (attached) alternative OCD-approved plan \boxtimes .						Approv	ed by:	Ph.	118 11	16	े टेका ८.	The state of the s
				1/	1/1/11			Om	s Wille	any	ريع <u>ب</u>	11 C. E.
Printed name: Celeste G. Dale Title: Regulatory Specialist						Title: DEC 2 6 2006 OC DISTRICT SUPERVISOR/GENIED						
Title:						Approv	ai Date:		E	xpiratior	Date:	
		.g.uaie@co	nocophillips									
Date: 12/20/06 Phone: (432)688-6884						Conditions of Approval Attached						

ConocoPhillips

20-December-2006

CASING & CEMENTING PROGRAM PROPOSAL Vacuum Glorieta East Unit Ph 4 25-023

Datum: RKB (12' above ground level) 11" 5M x 7 1/16" 5M Tubing Head Conductor 8-5/8" SOW x 11" 5M Casing Head 13-3/8" conductor set at 40' to 80' with rat hole machine Surface Cement Spacer: 20 bbls fresh water X New **Surface Casing** Used Size 8 5/8 in Lead Slurry: 610 - 700 sx 35/65 POZ:Class C Wt. 24 ppf + 5% bwow D44 salt Gtrade: J-55 ppf + 6% D20 bentonite Conn: ppf + 2% S1 Calcium Chloride + 0.25 pps D29 celloflake + CemNet if needed. Hole Size 12 1/4 in Mix Weight = 12.8 ppg, Excess Cmt 120 - 150 % Yield = 1.97 cuft/sx yield, T.O.C. SURFACE Mix Water = 10.54 gal/sx Top of Lead Slurry at Surface Surface Casing Shoe set at 1600' to 1650' MD RKB Tail Slurry: TD of 12-1/4" hole at 1610' to 1660' MD RKB 230 - 260 sx Class C Cement + 2% S1 calcium chloride + 0.25 pps D29 celloflake Propose Variance to allow us to test the surface + CemNet if needed. Mix Weight = 14.8 ppg. casing to 1000 psi instead of 1500 psi. Yield = 1.34 cuft/sx yield, Mix Water = 6.29 gal/sx Length of Tail Slurry: 330' Top of Tail Slurry at 1270' - 1320' MD RKB **Production Cement** Spacer: 20 bbls fresh water **Production Casing:** Size 5 1/2 in New Lead Slurry: Wt. 15.5 Used 620 sx 50/50 POZ:Class C ppf ppf + 5% bwow D44 salt Gtrade: J-55 + 10% D20 bentonite LTC Conn: ppf + 0.2% D167 Fluid Loss Additive + 0.2% D65 Dispersant + 0.25 pps D29 celloflake Hole Size 7 7/8 + CemNet if needed % Excess Cmt on Open Hole Ann Vol Lead Slurry Mix Weight = 11.8 ppg, 90 % Excess Cmt on Open Hole Ann Vol Tail Slurry Yield = 2.54 cuft/sx yield, T.O.C. SURFACE Mix Water = 14.71 gal/sx Top of Load Clures of Curt Tail Slurry: 580 sx 50:50 POZ:Class H + 5% D44 Salt (bwow) + 2% D20 Bentonite + 0.4% D167 Fluid Loss Additive + 0.4% D65 dispersant Production Casing Shoe set at 6340' to 6390' MD RKB + CemNet if needed TD of 7-7/8" hole at 6350' to 6400' MD RKB Mix Weight = 14.2 ppg. Yield = 1.36 cuft/sx yield, Mix Water = 6.32 gal/sx Production casing cement volumes will be adjusted based on Top of Tail Slurge at 4000' MD DVB open hole caliper log data if available. Schematic prepared by: Displacement: 2% KCL Steven O. Moore, Drilling Engineer

or Fresh Water

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

tool w. Grand Avende, Artesia, Na Cost

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION 1220 South St. Frances Dr. Santa Fe, NM 87505 Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

7	WELL LOCATION AND ACF	REAGE DEDICATION	PLAT	
API Number	Pool Code		Pool Name	
30-025- 38223	62160	Vacuum;	Glorieta	
Property Code	Propert	y Name		Well Number
31257	VACUUM GLORIETA	EAST UNIT PH 4		25-023
OGRID No. 217817	Operato CONOCOP	r Name HILLIPS COMPANY		Elevation 3967'

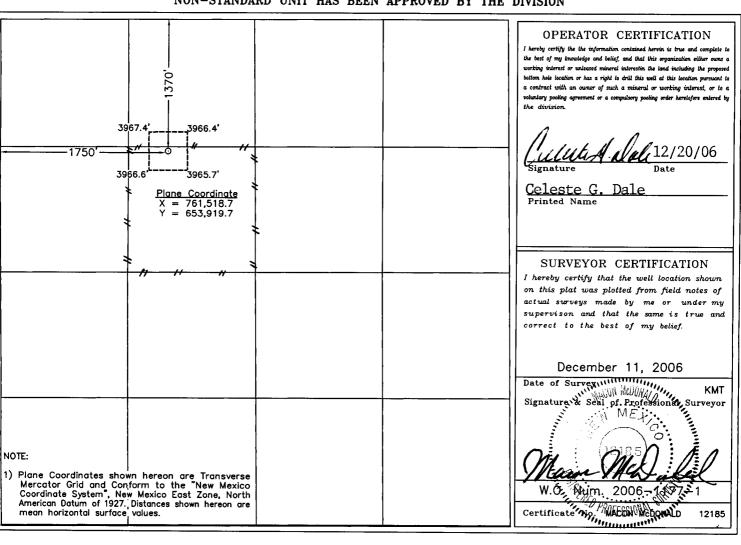
Surface Location

UL or lot N	. Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	32	17 S	35 E		1370	NORTH	1750	WEST	LEA

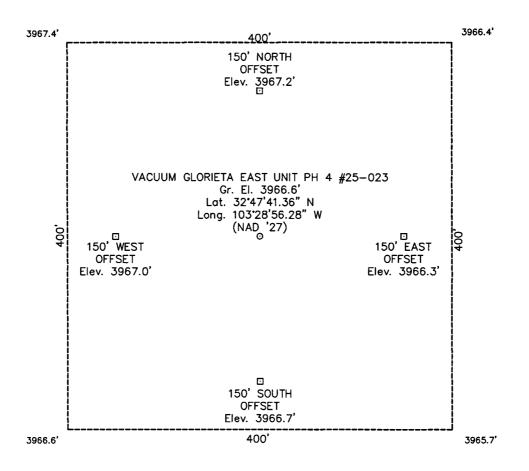
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or	Infill Co	onsolidation (Code Or	der 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

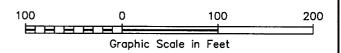


SECTION 32, TOWNSHIP 17 SOUTH, RANGE 35 EAST, N.M.P.M.



DRIVING DIRECTIONS

FROM THE INTERSECTION OF STATE HIGHWAY 8 AND COUNTY ROAD 50 IN BUCKEYE, NM GO EAST ON SAID COUNTY ROAD 50 1.2 MILES TO A LEASE ROAD ON SOUTH (RIGHT) SIDE OF SAID ROAD, THEN GO SOUTH ON SAID LEASE ROAD 0.2 MILE TO A POINT, THEN GO EAST 0.2 MILE TO A POINT APPROXIMATELY 200 FEET SOUTHWEST OF PROPOSED LOCATION.



CONOCOPHILLIPS

VACUUM GLORIETA EAST UNIT PH 4 #25-023

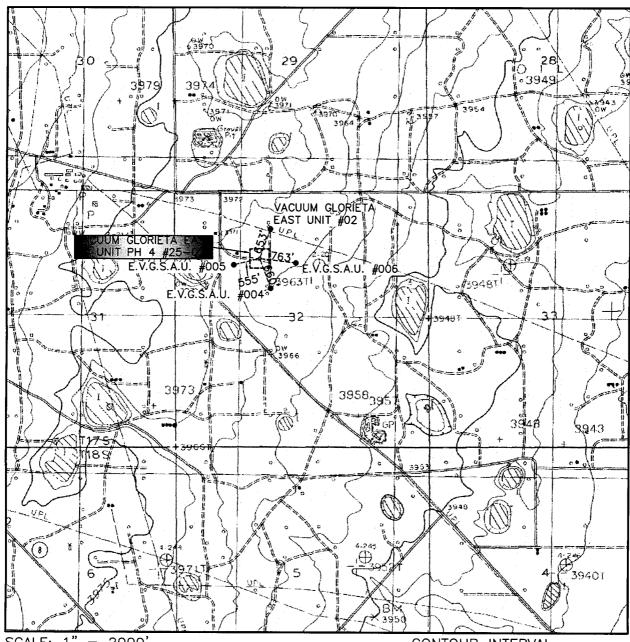
Located 1370' FNL & 1750' FWL, Section 32 Township 17 South, Range 35 East, N.M.P.M. Lea County, New Mexico



110 W. LOUISIANA, STE. 110 MIDLAND TEXAS, 79701 (432) 687-0865 - (432) 687-0868 FAX

Drawn By: KMT	Date: December 13, 2006
Scale: 1"=100'	Field Book: 331 / 52-53
Revision Date:	Quadrangle: Lovington SW
W.O. No: 2006-1177-1	Dwg. No.: L-2006-1177-A

LOCATION VERIFICATION MAP



SCALE: 1" = 2000

CONTOUR INTERVAL: LOVINGTON SW - 5'

SEC. 32 TWP. 17-S RGE. 35-E SURVEY N.M.P.M. COUNTY LEA DESCRIPTION 1370' FNL & 1750' FWL ELEVATION 3967' OPERATOR CONOCOPHILLIPS LEASE VACUUM GLORIETA EAST UNIT PH 4

U.S.G.S. TOPOGRAPHIC MAP

LOVINGTON SW, N.M.



COMPANY

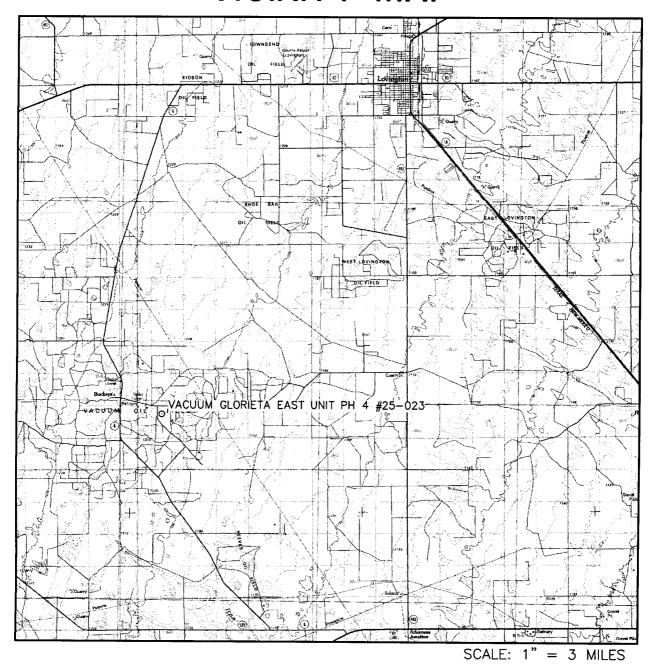
110 W. LOUISIANA, STE. 110

MIDLAND TEXAS, 79701

of Midland, Inc.

(432) 687-0865 - (432) 687-0868 FAX

VICINITY MAP



SEC. 32 TWP. 17-S RGE. 35-E SURVEY N.M.P.M. COUNTY LEA DESCRIPTION 1370' FNL & 1750' FWL

ELEVATION 3967'

OPERATOR ____CONOCOPHILLIPS

LEASE VACUUM GLORIETA EAST UNIT PH 4



COMPANY

110 W. LOUISIANA, STE. 110

MIDLAND TEXAS, 79701

of Midland, Inc.

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