Submit 3 Copies To Appropriate District		
Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL API NO. 20 025 27422
District II	OIL CONSERVATION DIVISION	30-025-37433
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410		STATE 🛛 FEE 🗌
District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM		
87505	ICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
	DSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	Vacuum Glorieta East Unit
	CATION FOR PERMIT" (FORM C-101) FOR SUCH	
PROPOSALS.)		8. Well Number 15
1. Type of Well: Oil Well X	Gas Well U Other	15
2. Name of Operator		9. OGRID Number 217817
ConocoPhill		
3. Address of Operator P.O. Box	2197, WL3-6076	10. Pool name or Wildcat
Houston,	Tx 77252	Vacuum Glorieta
4. Well Location		·
Unit Letter P :	457 feet from the South line and 11	74 feet from the East line
Section 29	Township 17S Range 35E	NMPM CountyLea
	11. Elevation (Show whether DR, RKB, RT, GR, etc.	
	3960	
Pit or Below-grade Tank Application 🗌 e	or Closure 🗌	
Pit type Depth to Groundw	vaterDistance from nearest fresh water wellDis	tance from nearest surface water
Pit Liner Thickness: mil		onstruction Material
12 Chast-		
12. Check A	Appropriate Box to Indicate Nature of Notice,	Report or Other Data
NOTICE OF IN		
	PLUG AND ABANDON	K ALTERING CASING
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WOR CHANGE PLANS COMMENCE DR	ILLING OPNS. P AND A
	PLUG AND ABANDON	ILLING OPNS. P AND A
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDON REMEDIAL WOR CHANGE PLANS COMMENCE DR MULTIPLE COMPL CASING/CEMEN	ILLING OPNS. P AND A T JOB
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING OTHER:	PLUG AND ABANDON C CHANGE PLANS COMMENCE DR MULTIPLE COMPL CASING/CEMEN	ILLING OPNS. P AND A T JOB Pance
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING OTHER: 13. Describe proposed or comp	PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPL COMMENCE DR CASING/CEMEN CASING/CEMEN OTHER:Verbal A oleted operations. (Clearly state all pertinent details, and	K ALTERING CASING ILLING OPNS P AND A T JOB P pproval of Survey Calculations X d give pertinent dates, including estimated date
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I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan [].

ŀ SIGNATURE

TITLE Regulatory Specialist

DATE 08/24/2006

Type or print name Christina Gustartis For State Use Only

E-mail address: christina.gustartis@conocophillifiesphone No. (832)486-2463 OC DISTRICT SUPERVISOR/GENERAL MANAGER

us William TITLE

DATE

SEP 1 2 2006

APPROVED BY: ______ Conditions of Approval (if any):

Confirmation of Verbal Permission

1

Reference: Well: Vacuum Glorieta East Unit # 05-15 API # 30-025-37433 Location: UL-Lot P, Section 29, Township 17S, Range 35E, 457' FSL, 1174' FEL, Lea County, New Mexico.

On Vacuum Glorieta East Unit # 05-15, angle built to 8 degrees inclination while drilling the 12-1/4" surface hole from surface to 1555' MD RKB. Inclination surveys were taken in this hole interval.

Surface casing (8-5/8", 24#, J-55, STC) was set at 1543' MD RKB and cemented to surface.

We picked up a 7-7/8" bit, directional drilling tools and MWD tools and drilled out of the surface casing and drilled from 1555' MD RKB to 2295' MD RKB as a directional correction run steering the well back to vertical. Then we pulled the directional drilling tools and MWD tools out of the hole, layed them down, and sent them in.

The remainder of the 7-7/8" production hole from 2295' to TD at 6350' was drilled with a 7-7/8" bit and rotary drilling assembly. Inclination surveys were taken in this hole interval except that no survey was taken at TD on this well. The last (deepest) survey taken was an inclination survey at 5828' MD RKB.

Calculations for the Maximum Possible Horizontal Displacement of the wellbore toward the nearest line (which is to the South) were prepared with the following assumptions:

- An azimuth of 180 degrees was assumed as the direction for each of the inclination surveys over the portions of the hole in which inclination surveys were run (and for which no directional surveys were obtained).
- The actual directional survey data was used for the interval for which directional drilling tools and MWD tools were used to correct the deviation back to vertical
- Because no survey was obtained at TD for this well, it was assumed for the purposes of these calculations that the angle held at 2.5 degrees (which was the inclination of the last / deepest survey at 5828' MD RKB) at an assumed azimuth of 180 degrees.

Based on these assumptions, the calculation of **Maximum Possible Horizontal Displacement** toward the nearest line indicates that the bottom hole location of this well should be no more than approximately 287 ft South and 46 ft East of the surface location. The surface location for this well is 457' from the South Line and 1174' from the East Line. The nearest line is the line to the South - which is a Section Line. The section to the South of this well is Section 32, which is entirely within the Unit Boundary.

Paul Kautz, NMOCD, gave verbal permission on 22-Aug-2006 at 4:26 PM CDT (3:26 PM MDT) to Steven O. Moore, ConocoPhillips Company to leave the surveys for this well as-is.



Job Number:

Company: ConocoPhillips Lease/Well: Vacuum Glorietta East Unit #15 Location: Lea County Rig Name: RKB: G.L. or M.S.L.: State/Country: New Mexico Declination: Grid: File name: C:\PROPOS~1\CONOCO~1\VGEU#1~1\SURVEY.SVY Date/Time: 21-Aug-06 / 10:12 Curve Name: Totco Surveys w/Assumed Azimuth

THE DIRECTIONAL DRILLING COMPANY

WINSERVE SURVEY CALCULATIONS Tangential Method Vertical Section Plane 180.00 Vertical Section Referenced to Wellhead Rectangular Coordinates Referenced to Wellhead

inci Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100	
· .		· .				· · · · · · · · · · · · · · · · · · ·	
.00	00	.00	.00	.00	.00	.00	
vs w/Assumed	Azimuth				· · · · · · · · · · · · · · · · · · ·		
.50	180.00	225.99	1.97	-1.97	.00	.22	
.30	180.00	719.98	4.56	-4.56	.00	.04	
	180.00	1220.23	57.14	-57.14	.00	1.13	
7.30	180.00	1314.46	69.21	-69.21	.00	1.37	
8.00	180.00	1537.27	100.52	-100.52	.00	.31	
	Angle Deg .00 /s w/Assumed .50 .30 6.00	Angle Deg Direction Deg .00 .00 .sw/Assumed Azimuth .50 .50 180.00 .30 180.00 6.00 180.00 7.30 180.00	Angle Deg Direction Deg Vertical Depth .00 .00 .00 .00 .00 .00 /s w/Assumed Azimuth .00 .225.99 .30 180.00 719.98 6.00 180.00 1220.23 7.30 180.00 1314.46	Angle Deg Direction Deg Vertical Depth Section FT .00 .00 .00 .00 .00 .00 .00 .00 /s w/Assumed Azlmuth .00 .225.99 1.97 .30 180.00 719.98 4.56 6.00 180.00 1220.23 57.14 7.30 180.00 1314.46 69.21	Angle Deg Direction Deg Vertical Depth Section FT N-S FT .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 /s w/Assumed Azimuth .50 180.00 225.99 1.97 -1.97 .30 180.00 719.98 4.56 -4.56 6.00 180.00 1220.23 57.14 -57.14 7.30 180.00 1314.46 69.21 -69.21	Angle Deg Direction Deg Vertical Depth Section FT N-S FT E-W FT .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 /s w/Assumed Azimuth .00 .1.97 -1.97 .00 .30 180.00 719.98 4.56 -4.56 .00 .6.00 180.00 1220.23 57.14 -57.14 .00 7.30 180.00 1314.46 69.21 -69.21 .00	

Note: These calculations are for Maximum Possible Horizontal Displacement toward the nearest line. The actual surveys over this hole interval are inclination surveys with no azimuth data obtained. However for the purposes of these calculations, it is assumed that the azimuth of each of the inclination surveys is 180 degrees.



Job Number:
Company: ConocoPhillips
Lease/Well: Vacuum Glorietta East Unit #15
Location: Lea County
Rig Name:
RKB:
G.L. or M.S.L.:

State/Countrý: New Mexico Declination: Grid: File name: C:\PROPOS~1\CONOCO~1\VGEU#1~1\SURVEY.SVY Date/Time: 21-Aug-06 / 10:14 Curve Name: MWD Surveys

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THE DIRECTIONAL DRILLING COMPANY

WINSERVE PROPOSAL REPORT Minimum Curvature Method Vertical Section Plane 180.00 Vertical Section Referenced to Wellhead Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	inci Angie Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100
Tie-in to Tot	cos w/ Assum	ed Azimuth					
1543.00	8.00	180.00	1537.27	100.52	-100.52	.00	.00
MWD Survey	/S						
1610.00	8.60	106.70	1603.73	106.64	-106.64	4.81	14.77
1705.00	6.90	107.70	1697.86	110.41	-110.41	17.05	1.80
1769.00	6.20	108.80	1761.44	112.70	-112.70	23.98	1.11
1866.00	4.60	106.00	1858.01	115.46	-115.46	32.68	1.67
1962.00	3.00	110.90	1953.80	117.41	-117.41	38.73	1.70
2055.00	2.20	105.00	2046.70	118.74	-118.74	42.73	.91
2151.00	1.10	116.20	2142.66	119.63	-119.63	45.34	1.19
Last MWD Si	urvey		······································			· · ·	·
2214.00	.30	127.40	2205.65	119.99	-119.99	46.01	1.28

Note: These calculations are for **Maximum Possible Horizontal Displacement** toward the nearest line. The tie in point is calculated based on assumed azimuth of 180 degrees for the inclination surveys in the preceeding hole section. The actual MWD survey data from the directional correction run is used in the calculations from the survey point at 1610' MD RKB to the survey point at 2214' MD RKB.

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Job Number:

Company: ConocoPhillips Lease/Well: Vacuum Glorietta East Unit #15 Location: Lea County Rig Name: RKB: G.L. or M.S.L.: State/Country: New Mexico Declination: Grid: File name: C:\PROPOS~1\CONOCO~1\VGEU#1~1\SURVEY.SVY Date/Time: 21-Aug-06 / 10:20 Curve Name: Totcos w/Assumed Azimuth

THE DIRECTIONAL DRILLING COMPANY

WINSERVE SURVEY CALCULATIONS Tangential Method Vertical Section Plane 180.00 Vertical Section Referenced to Wellhead Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	inci Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100
Tie-in to MW							
2214.00	.30	127.40	2205.65	119.99	-119.99	46.01	.00
Totcos w/As	sumed Azimut	h					
2290.00	.00	180.00	2281.65	119.99	-119.99	46.01	.39
2540.00	1.00	180.00	2531.61	124.35	-124.35	46.01	.40
3017.00	2.00	180.00	3008.32	141.00	-141.00	46.01	.40
3558.00	4.00	180.00	3548.00	178.74	-178.74	46.01	.37
3640.00	3.50	180.00	3629.85	183.74	-183.74	46.01	.61
3735.00	3.00	180.00	3724.72	188.72	-188.72	40.04	
3830.00	2.00	180.00	3819.66	192.03	-192.03	46.01	.53
4342.00	1.30	180.00	4331.53	203.65	-203.65	46.01	1.05
4819.00	2.00	180.00	4808.24	220.29	-203.65	46.01	.14
5343.00	2.50	180.00	5331.74	243.15	-243.15	46.01	.15
			0001114	2-10.10	-243.13	46.01	.10
Last Totco S	urveys			 			
5828.00	2.50	180.00	5816.28	264.31	-264.31	46.01	.00
Projection to	TD						
6350.00	2.50	180.00	6337.78	287.08	-287.08	46.01	.00

Note: These calculations are for Maximum Possible Horizontal Displacement toward the nearest line. The actual surveys from 2290' to 5828' MD RKB are inclination surveys with no azimuth data obtained. For the purposes of these calculations, it is assumed that the azimuth of each of the inclination surveys is 180 degrees. The deepest survey obtained was at 5828' MD RKB, 522' above TD of 6350' MD RKB for this well. It is assumed for these calculations that the inclination of the wellbore from 5828' MD RKB to TD at 6350' MD RKB held at 2.5 degrees at an azimuth of 180 degrees. The tie-in point is calculated with an assumption of 180 degrees for inclination surveys from surface to 1543' MD RKB and actual MWD directional survey data from 1610' to 2214' MD RKB from the directional correction run to steer the well back to vertical.