

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resrv.,
Other _____

2. Name of Operator
ConocoPhillips Company

3. Address
4001 Penbrook Street Odessa TX 79762

3.a Phone No. (Include area code)
(432)368-1667

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 850' FSL & 1980' FWL

At top prod. interval reported below

At total depth

14. Date Spudded
11/07/2005

15. Date T.D. Reached
11/21/2005

16. Date Completed
☐ D & A ☒ Ready to Prod.
11/21/2005

18. Total Depth: MD 11,600'
TVD 11,600'

19. Plug Back T.D.: MD 11,013'
TVD 11,013'

20. Depth Bridge Plug Set: MD 11,050'
TVD 11,050'

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.75"	11.75,H40	43#	502'			400sx		0	
11"	8.625,J55	32#	3980'			1185sx		0	
7.875"	5.5",N80	17#	11,562'			1100sx		3950'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	10,703.7'	10,614'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Atoka			10,692'-10,703'	3-3/8"	67	Open
B)			11,073'-11,090'	5.5	68	Closed
C)			11,102'-11,110'	5.5	32	Closed
D)			11,250'-11,260'	5.5	45	Closed

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/21/05	11/30/05	24	→	24	808	0	53.5	.717	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
18/64	SI 1800	500	→						

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

DAVID R. GLASS
FEB 24 2006
DAVID R. GLASS
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

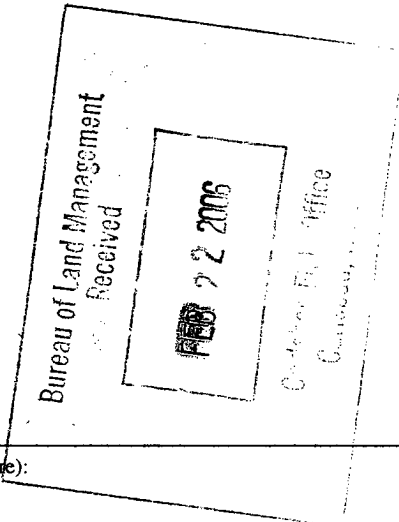
29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
					

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geological Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Celeste G. Dale Title Regulatory SpecialistSignature _____ Date 02/17/2006

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

' API Number 30-015-31958		' Pool Code		' Pool Name Wildcat; Atoka (Gas)	
' Property Code		' Property Name Garyburg Deep '30' Federal			' Well Number 1
' OGRID No. 217817		' Operator Name			' Elevation 3586'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
N	30	17S	30E		850	South	1980	West	Eddy

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
" Dedicated Acres 320		" Joint or Infill		" Consolidation Code		" Order No.			

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.

<div data-bbox="784 1025 1015 1170" data-label="Text"> <p>RECEIVED FEB 27 2006 JULIANTECH</p> </div> <div data-bbox="231 1709 503 1875" data-label="Text"> <p>1980' 850'</p> </div>	<div data-bbox="1136 955 1518 988" data-label="Section-Header">¹⁷ OPERATOR CERTIFICATION</div> <div data-bbox="1087 986 1552 1191" data-label="Text"> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> </div> <div data-bbox="1087 1191 1536 1263" data-label="Text"> <p><i>Celeste G. Dale</i> 02/17/2006 Signature Date</p> </div> <div data-bbox="1087 1284 1514 1334" data-label="Text"> <p>Celeste G. Dale, Regulatory Specialist Printed Name</p> </div>			
	<div data-bbox="1087 1431 1547 1471" data-label="Section-Header">¹⁸ SURVEYOR CERTIFICATION</div> <div data-bbox="1087 1466 1577 1607" data-label="Text"> <p>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.</p> </div> <div data-bbox="1087 1653 1212 1678" data-label="Text"> <p>Date of Survey</p> </div> <div data-bbox="1087 1686 1437 1713" data-label="Text"> <p>Signature and Seal of Professional Surveyor:</p> </div> <div data-bbox="1087 1858 1227 1883" data-label="Text"> <p>Certificate Number</p> </div>			

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

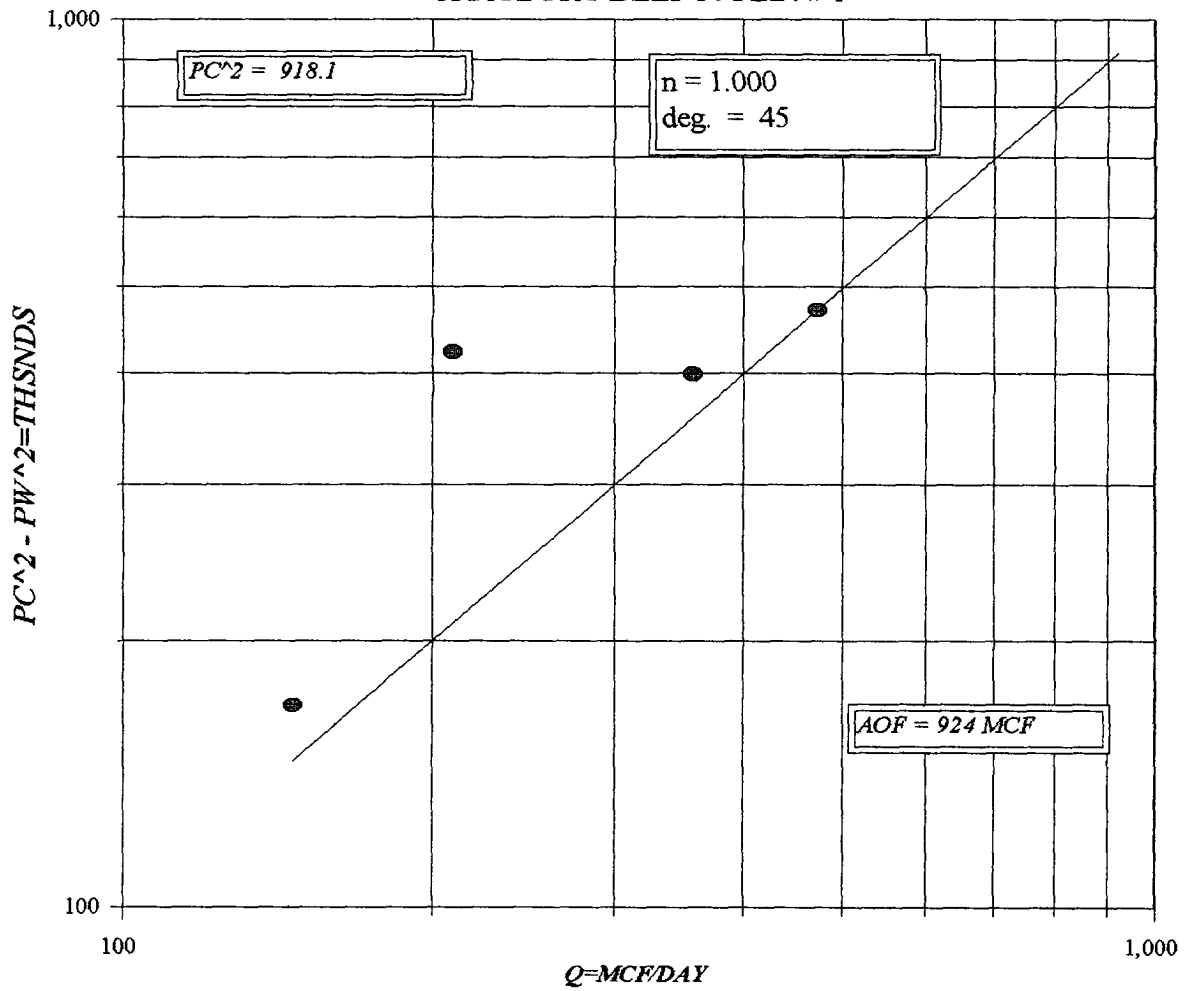
FEB 27 2006

OCU-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator CONOCO PHILLIPS Company				Lease or Unit Name Grayburg Deep '30' Federal			
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 1/18/06		Well No. 1	
Completion Date 11/21/05		Total Depth 11,600'		Plug Back TD 11,013'		Elevation 3586' GL	
Unit Ltr - Sec - TWP - Rge N - 30 - 17-S - 30-E		County EDDY		Pool Wildcat; Atoka (Gas)		Formation Atoka	
Csg. Size 5 1/2	Wt. 17#	d 2.441	Set At 11,562'	Perforations: From: 10,692' To: 10,703'		Connection 11/21/05	
Tbg. Size 2 3/8	Wt. 4.7	d 2.441	Set At 10,703.7'	Packer Set At 10617 10,617.9'		Baro. Press. - P _a 13.2	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Producing Thru TBG		Reservoir Temp. °F 162 @ 10612	
Mean Annual Temp. °F 60				Meter Run 2.067		Taps FLG	
L 10612	H 10612	Gg 0.717	%CO ₂ 0.211	%N ₂ 3.127	%H ₂ S N/A	Prover N/A	Duration of Flow 48 HRS
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						958.2	PKR
1		2"			59	865.2	"
2		"			58	703.2	"
3		"			56	718.2	"
4		"			56	663.2	"
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							147
2							210
3				TOTAL	FLOW	METER	358
4							473
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons DRY Deg.		
2		N/A			Specific Gravity Separator Gas 0.717 XXXXXXXX		
3					Specific Gravity Flowing Fluid XXXXXX N/A		
4					Critical Pressure *= 663 P.S.I.A. N/A P.S.I.A.		
5					Critical Temperature *= 386 R. N/A R		
P _c	958.2	P ₂	918.2				
No.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.953$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.953$		
1		865.6	749.3	168.8			
2		704.3	496.1	422.1			
3		721.4	520.4	397.8			
4		669.3	447.9	470.2			
5							
Absolute Open Flow 924				Mcf @ 15.025	Angle of Slope Q: 45	Slope n: 1	
Remarks: WELL PRODUCED 1/2 BBL H2O * = CORRECTED TO 3.127 % N2							
Approved By Division:		Conducted By: Metering & Testing Serv., Inc.		Calculated By: BM		Checked By: BM	

CONOCO PHILLIPS
GRAYBURG DEEP 30 FED. # 1





Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Metering & Testing Services, Inc.
2807 W. County Road
Hobbs, New Mexico 88240

SAMPLE:
IDENTIFICATION: Grayburg Deep 30 Fed. #1
COMPANY: ConocoPhillips
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED 1/18/06 12:50pm
ANALYSIS DATE: 1/19/06
PRESSURE - PSIG 205
SAMPLE TEMP. °F 58
ATMOS. TEMP. °F 54

GAS (XX) LIQUID ()
SAMPLED BY: Floyd
ANALYSIS BY: Vicki McDaniel

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	3.127	
Carbon Dioxide (CO2)	0.211	
Methane (C1)	80.086	
Ethane (C2)	8.469	2.260
Propane (C3)	4.155	1.142
I-Butane (IC4)	0.813	0.265
N-Butane (NC4)	1.664	0.523
I-Pentane (IC5)	0.538	0.196
N-Pentane (NC5)	0.409	0.148
Hexane Plus (C6+)	<u>0.528</u>	<u>0.229</u>
	100.000	4.763
BTU/CU.FT. - DRY	1207	MOLECULAR WT. 20.8048
AT 14.650 DRY	1203	
AT 14.650 WET	1182	
AT 14.73 DRY	1210	
AT 14.73 WET	1189	
SPECIFIC GRAVITY - CALCULATED	0.717	
MEASURED		