Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD ~~Hobbs~~ Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
NMLC028784

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Grayburg Deep 14

2. Name of Operator
ConocoPhillips Company

9. API Well No.
30-015-~~29776~~ 29766

3a. Address
P. O. Box 51810 Midland TX 79710

3b. Phone No. *(include area code)*
(432)688-9174

10. Field and Pool or Exploratory Area
Blinebry Bear Grass Draw; Blor-Yeso (97534)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
UL D, 868' FNL & 1062' FLW, Sec 25, 17S, 29E

11. County or Parish, State
~~Lea~~ Eddy NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

ConocoPhillips would like to re-complete in the Blinebry w/perfs from 5200' to 6350'.

Attached is current and proposed wellbore schematic, procedures, & C-102.

RECEIVED
JAN 07 2013
NMOCD ARTESIA

APPROVED
JAN 2 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

SEE ATTACHED FOR CONDITIONS OF APPROVAL
Steps 8 & 9 changes

Accepted for record
NMOCD 1/7/2013

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Rhonda Rogers

Title Staff Regulatory Technician

Signature

Date 08/17/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-29766	97534	Bear Grass Draw; Morr-Yeso

Property Code	Property Name	Well Number
009090	GRAYBURG DEEP UNIT	14

OGRID No.	Operator Name	Elevation
017643	ConocoPhillips Company	3594

Surface Location

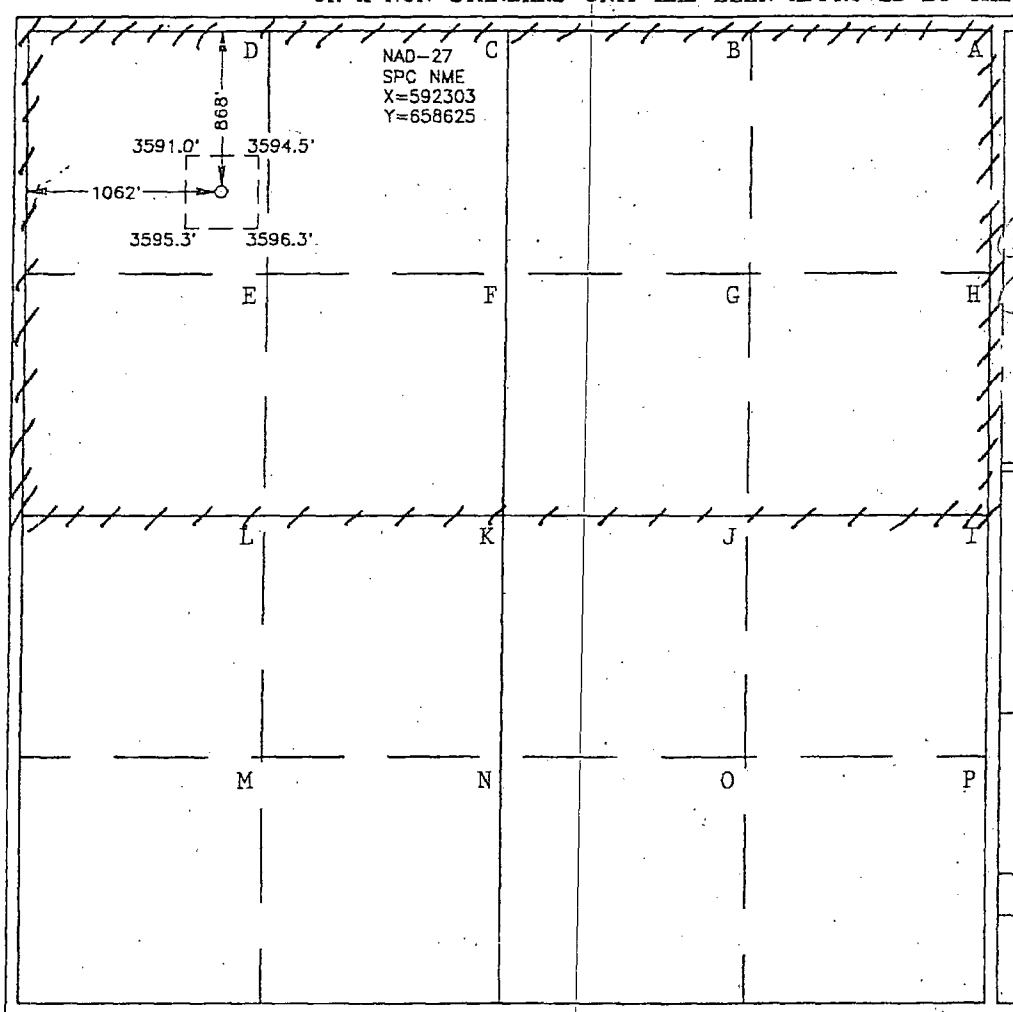
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	17 S	29 E		868	NORTH	1062	WEST	EDDY

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	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



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Rhonda Rogers

Printed Name: Rhonda Rogers

Title: Staff Regulatory Tech

Date: 8/16/12

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 supervison, and that the same is true and correct to the best of my belief.

MAY 14, 1997

Date Surveyed: DMCC

Signature & Seal of Professional Surveyor: Gary L. Eidson 5-20-97

97-11-0825

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY L. EIDSON 12641

Grayburg Deep Unit 14

Blinebry Re-completion
API # 30-015-29766

Location: 868' FNL & 1062' FWL Sec 25 T17S R29E, Eddy County, NM
Lat 32° 48' 37.044"N Long 104° 1' 58.512"W
Depths: TD =11,400' PBTD =11,334'
Elevation: GL =3594' KB =19' KBM =3613'
Spud Date: 08/30/1997

Objective of this Work: Recomplete this inactive Morrow gas well into the Blinebry as a test of the Blinebry production potential in this wellbore. This procedure assumes a category 2 well,after recompletion. This re-completion will provide vital information
Present Status: shut-in

Maximum Anticipated Well Category: 2 this well is expected to flow at rates greater than 500 MCFD, but less than 3000 MCFD post workover. The barrier requirements would then be two untested barriers

BOPE Class: 2 BOP equipment will only be used while removing and installing production tubing. MPSP for Penn interval is expected to be 1000 psi or less due to depletion. If necessary simultaneously produce the well to sales or load the casing up to 2/3 full with 2% KCL to equal maximum SI pressure.
Casing:

	Depth	ID	Drift	Burst	Callapse	Capacity (bbl/ft)
11 ¾" 42# H-40 ST&C	530'	11.084	10.928	1980#	1070#	.01193
8 5/8" 32# J-55 ST&C	4520'	7.921	7.796	3930#	2530	0.0609
5 ½" 17# N-80 & 15/5# J55 LT&C	11,400'	4.892	4.767	4230#	4910	0.0232

	Depth	ID	Drift	Tensile	Burst	Collapse	Capacity (bbl/ft)
2 3/8" 4/7# L-80 8rd EUE	10909'	1.995	1.901	104340	11200	11780	.00387

Surface
Cement w/430 sxs TOC = surface

Intermediate
Cement w/1160 sxs TOC = surface
Production
Cement w/2375sxs TOC @ Surface

RESERVOIR PROPERTIES

Pressures: Morrow: @ 10,900'± Reservoir: ± 1000 psig (est.)
WHSIP: ± 250 psig (measured)

(Proposed) Blinebry: @ 6280'± Reservoir: + 2920psig (est.)
WHSIP: + 250psig (est.)

Reservoir Temp. Blinebry: 120°F

Recommended Procedure and Notes
Notes:
1. All depths in this procedure are referenced from KB unless noted otherwise.
2. Give service companies 48 hours advance notice prior to performing work on the well.
3. Hold pre-job safety meeting & review JSA prior to beginning any new work/task.
Procedure:
1. Test pull rig anchors to 15,000 lbs. and replace as needed.
2. Contact NOV-GE (contact Jay Fields 432-260-8298) for wellhead support and setting a two-way check valve in tubing hanger.
The two-way check-valve and hanger seals provide a single barrier tested in the direction of flow to maximum differential for the tubing and annulus, which meets Well Control requirements for a well incapable of generating over 1000 psi surface pressure.
3. MIRU Series 400 work over rig or larger.
4. Bleed any remaining pressure from the tree and monitor for 30 minutes to ensure the two-way check and hanger seals are holding. Remove tree from the adapter flange up. Install a 7 1/16" 10k x 5k adapter spool w/ two side ports (kill line & choke manifold), a hydraulically operated, 5k psi BOP with blind rams and a 5k Hydril. Screw a lifting sub into the hanger and test the Hydril according to the attached SOP. Test to 1500 psi high and 250 psi low.
5. Top kill the annulus as follows:
   Pump sufficient volume of 4% KCL to overcome surface pressure, plus an additional 15%, at 2-3 bbl/min.
   Volume to pump = ((Surf pressure/0.437) x 0.0291) x 1.15
   Stop pumping and monitor to ensure well is on a surface vacuum.

   Resume pumping + 0.5 bpm and monitor for 30 minutes to ensure well stays on a vacuum. If needed, increase the surface pump rate. Have at least 3 hours of water supply on location
6. Back out the hold-down pins; pick up, remove, and lay down the tubing hanger.
7. Pick up a single (1) joint of tubing, release production packer, then POOH w/ tubing

& packer. Visually inspect tubing while POOH. Tally tubing out of the wellbore to confirm depth. Visually inspect tubing and stand a minimum of 9100' of good tubing back in derrick. Send remaining tubing and production packer in for R&R or disposal after performing hydro-test on tubing prior to cement squeeze step.

8. Notify BLM that we are abandoning the lower part of the hole in case they want to witness any of the plug settings. PU-RIH with CIBP on 2⅞", 6.5#/ft N-80 work string. Set CIBP @ 10,900'±, spot 35 sxs cement on top of CIBP, PU and reverse out; wait on cement 12 hours; TIH and tag top of cement. POOH.

9. PU-RIH w/ a CIBP. Set CIBP @ 9,100'±, spot 35 sxs cement on top of CIBP, PU and reverse out; wait on cement 12 hours; TIH and tag top of cement. POOH laying down work string. RD MO workover rig.

10. MI-RU Schlumberger cased hole logging services w\ a packoff (or 2000 psi shop tested lubricator, if required). PU-RIH w\ a combination GR/CBL/CCL/USI tool (correlate depth to Halliburton Dual Laterolog dated 10/03/1997) to determine and record the new top of cement. RD-MO cased hole logging services.

11. MI-RU cased hole perforating services w\ a packoff (or 2000 psi shop tested lubricator, if required). PU-RIH w/ a CIBP and set CIBP @ 6,700'±, then POOH. RIH w/ a 3⅜" gun system loaded with 25 gm HMX charges (or equivalent). Stagger shots to accomplish 60o phasing and perforate @ as follows (correlate depth to GR/CBL log run in previous trip to the well).

Perf Depth	Feet	SPF	Shots
6239-6249'	10	2	20
6340-6350'	10	2	20
Total Shots 40			

12. POOH. Confirm all shots fired.
13. RDMO e-line perforating services.
14. Set frac water tanks according to stimulation proposal.
15. MI-RU a hydro-test services to test work string in while RIH in preparation for fracture treatment.
16. PU-RIH with a treating packer on a 2⅞", 6.5#/ft N-80 work string. Hydro-test work string to 5000 psi, note all testing will be performed below grade. Once on depth release hydro-test and set treating packer @ 6,000'± (or a minimum of 100' above top perforation).
17. MI-RU Halliburton stimulation services. RU frac valve directly onto 2⅞" work string to frac the Blinebry @ 20-30 bpm as per attached procedure. Bring adequate horsepower to accomplish 20-30 bpm @ 3,500 psi. An acid ball-out will be part of the procedure, so a remote ball launcher and N2 operated relief valve are required. Monitor the 2⅞" x 5½" annulus.
18. Prime pumps and lines back to the blender and verify flow meter agreement. Pressure test liquid lines against Frac Valve to 5,000 psi for a minimum of five (5) minutes. An acceptable test is 100 psi/min or 300 psi in 3 minutes.
19. Frac the Blinebry zone from 6239-6350' with 100,000# 20/40 Ottawa resin coated sand. Perform facture treatment per the attached proposal @ 20-30 bpm @ 3,500 psi. Shut down and monitor the pressure decline for 15 minutes.

TREATING LINE TEST PRESSURE: A minimum 500 psig over MAWP. Acceptable test will be no more than 300 psi leak off in 5 minutes, with no more than 1% leak off in last minute, AND NO VISIBLE LEAKS).	5000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system (85% of 15.5# J-55 casing burst).	4,090	PSIG
NITROGEN POP-OFF SETTING: the valve is to be tested prior to pumping, and must pop within 500 psi of set pressure.	4,000	PSIG
TRUCK KILL SETTING	4,000	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	3,500	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	3,500	PSIG

20. Obtain ISIP. Continue monitoring and recording for 20 minutes following shut-in (every 5 minutes).
21. RD-MO Halliburton stimulation equipment.
22. Shut-in well overnight to allow Resin to cure (or as directed by stimulation company representative).
23. Open well and begin flowing /unloading the well. Flow well until it loads up / dies. POOH with workstring.
24. MI-RU cased hole perforating services w\ a packoff (or 2000 psi shop tested lubricator, if required). TIH and set 10K top drill composite plug at 5800'±. Test plug to 500 psi. RIH w/ a Schlumberger 3-3/8" gun system loaded with 25 gm HMX charges (or equivalent). Stagger shots to accomplish 60o phasing and perforate @

as follows (correlate depth to GR/CBL log run in previous trip to the well).

Perf Depth	Feet	SPF	Shots
5593-5603'	10	2	20
5610-5620	10	2	20
Total Shots 40			

25. POOH. Confirm all shots fired.
26. RDMO e-line perforating services.
27. Set frac water tanks according to stimulation proposal.
28. MI-RU a hydro-test services to test work string in while RIH in preparation for fracture treatment.
29. PU-RIH with a treating packer on a 2⅞", 6.5#/ft N-80 work string. Hydro-test work string to 5000 psi, note all testing will be performed below grade. Once on depth release hydro-test and set treating packer @ 5,300'± (or a minimum of 100' above top perforation).
30. RD-MO Well Service unit if waiting time on frac date is extensive.
31. MI-RU Halliburton stimulation services. RU frac valve directly onto 2⅞" work string to frac the Blinebry @ 20-30 bpm as per attached procedure. Bring adequate horsepower to accomplish 20-30 bpm @ 3,500 psi. An acid ball-out will be part of the procedure, so a remote ball launcher and N2 operated relief valve are required. Monitor the 2⅞" x 5½" annulus.
32. Prime pumps and lines back to the blender and verify flow meter agreement. Pressure test liquid lines against Frac Valve to 5,000 psi for a minimum of five (5) minutes. An acceptable test is 100 psi/min or 300 psi in 3 minutes.
33. Frac the Blinebry zone from 5593-5620' with 50,000# 20/40 Ottawa resin coated sand. Perform facture treatment per the attached proposal @ 20-30 bpm @ 3,500 psi. Shut down and monitor the pressure decline for 15 minutes.

TREATING LINE TEST PRESSURE: A minimum 500 psig over MAWP. Acceptable test will be no more than 300 psi leak off in 5 minutes, with no more than 1% leak off in last minute, AND NO VISIBLE LEAKS).	5000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system (85% of 15.5# J-55 casing burst)	4,090	PSIG

NITROGEN POP-OFF SETTING: the valve is to be tested prior to pumping, and must pop within 500 psi of set pressure.	4,000	PSIG
TRUCK KILL SETTING	4,000	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	3,500	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	3,500	PSIG

34. Obtain ISIP. Continue monitoring and recording for 20 minutes following shut-in (every 5 minutes).
35. RD-MO Halliburton stimulation equipment.
36. Shut-in well overnight to allow Resin to cure (or as directed by stimulation company representative).
37. Open well and begin flowing /unloading the well. Flow well until it loads up / dies. POOH with work string.
38. MI-RU cased hole perforating services w\ a packoff (or 2000 psi shop tested lubricator, if required). TIH and set 10K top drill composite plug at 5400'±. Test plug to 500 psi. RIH w/ a 3⅜" gun system loaded with 25 gm HMX charges (or equivalent). Stagger shots to accomplish 60o phasing and perforate @ as follows (correlate depth to GR/CBL log run in previous trip to the well).

Perf Depth	Feet	SPF	Shots
5200-5205'	05	2	10
5213-5218'	05	2	10
5248-5253'	05	2	10
5259-5264'	05	2	10
Total Shots 40			

39. POOH. Confirm all shots fired.
40. RDMO e-line perforating services.
41. Set frac water tanks according to stimulation proposal.
42. MI-RU a hydro-test services to test work string in while RIH in preparation for fracture treatment.
43. PU-RIH with a treating packer on a 2⅞", 6.5#/ft N-80 work string. Hydro-test work

string to 5000 psi; note all testing will be performed below grade. Once on depth release hydro-test and set treating packer @ 5,150± (or a minimum of 100' above top perforation).

44. RD-MO Well Service unit if waiting time on frac date is extensive.

45. MI-RU Halliburton stimulation services. RU frac valve directly onto 2-7/8" work string
to frac the Blinebry @ 20-30 bpm as per attached procedure. Bring adequate horsepower to accomplish 20-30 bpm @ 3,500 psi. An acid ball-out will be part of the procedure, so a remote ball launcher and N2 operated relief valve are required. Monitor the 2⅞" x 5½" annulus.

46. Prime pumps and lines back to the blender and verify flow meter agreement. Pressure test liquid lines against Frac Valve to 5,000 psi for a minimum of five (5) minutes. An acceptable test is 100 psi/min or 300 psi in 3 minutes.

47. Frac the Blinebry zone from 5200-5264' with 100,000# 20/40 Ottawa resin coated sand. Perform facture treatment per the attached proposal @ 20-30 bpm @ 3,500 psi. Shut down and monitor the pressure decline for 15 minutes.

TREATING LINE TEST PRESSURE: A minimum 500 psig over MAWP. Acceptable test will be no more than 300 psi leak off in 5 minutes, with no more than 1% leak off in last minute, AND NO VISIBLE LEAKS).	5000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system (85% of 15.5# J-55 casing burst)	4,090	PSIG
NITROGEN POP-OFF SETTING: the valve is to be tested prior to pumping, and must pop within 500 psi of set pressure.	4,000	PSIG
TRUCK KILL SETTING	4,000	PSIG

MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	3,500	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	3,500	PSIG

48. Obtain ISIP. Continue monitoring and recording for 20 minutes following shut-in (every 5 minutes).
49. RD-MO Halliburton stimulation equipment.
50. Shut-in well overnight to allow Resin to cure (or as directed by stimulation company representative).
51. Open well and begin flowing /unloading the well. Flow well until it loads up / dies. POOH with work string.
52. TIH with bit for 5½" 17# casing. Drill out composite plug @ 5400'±. Continue TIH and drill out composite plug at 5800'±. Clean out to CIBP at 6700'±. Do not drill our CIBP. Circulate hole clean and spot biocide treatment per Champion's instructions. POOH laying down work string.
53. Change out BOP rams for 2⅜" production tubing. Test BOP according to the ConocoPhillips Well Control Manual.
54. PU-RIH w/ 2⅜" production tubing and land EOT @ 6500'±.
55. ND BOPE and NU WH according to standard ConocoPhillips policy (well falls under Category 1 blanket exception).
56. PU-RIH w/ pump and rod string as per Rodstar design (see in Wellview).
57. Long stroke to confirm good pump action. Hang well off.
58. RDMO WSU and ancillary equipment.
59. Clean- up location, remove trash, dispose of produced fluids, and release any remaining ancillary equipment.
60. Record all well work performed in WellView.
61. Contact Production Specialist before turning well over to operations. Place on production, report production rates.

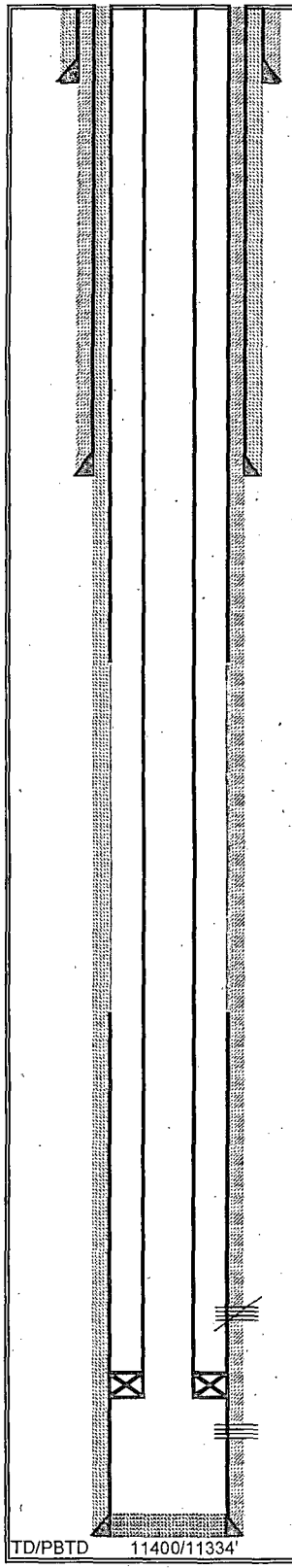
PRESENT MECHANICAL SKETCH

CURRENT WELLBORE DIAGRAM

GRAYBURG DEEP UNIT 14

868' FNL & 1062' FWL Sec 25 T17S R29E

API #:	30-015-29766	32° 48' 37.044" N
FIELD:	Grayburg Deep Unit	104° 1' 58.512" W
CO.ST:	Eddy, NM	
DATES:	**SPUD:** 8/30/97	**IC:** 12/11/97
	LAST WORKOVER:	8/30/2010
	DIAGRAM REVISED:	D. McPherson 01/22/2012



11¾" 42# @ 530' cmt w/ 450 sxs

8⅝" 32# @ 4520' cmt w/ 1160 sxs

5½" 15.5# J-55 from 3267-7122'±

Wolfcamp
Perfs: 9148-60', 9164-74', 9186-94' (3/24/08)
Sqz'd w/ 300 Sxs (9/2/10)

Packer @ 10902'±

Morrow
Perfs: 10938-40', 10950-54', 10960-62.5', 10963.5-82' (11/10/97)

5½" 17#/15.5# @ 11400' cmt w/ 2375 sx'

TD/PBTD 11400/11334'

	CASING			LINER	TUBING
Hole Size					
Pipe Size	11¾"	8⅝"	5½"		2⅜"
Weight	42#	32#	17#		4.7#
Grade	H-40	J-55	J-55 N-80		J-55
Thread	ST&C	ST&C	LT&C		8 rd
Depth	530'	4520'	11400'		10909.4'
ELEVATION:	GR 3594', KB 3613'				

TUBING		From	To
Elevation	19.00	0.00	19.00
343 jts 2⅜" 4.7# J-55 tbg	10880.88	19.00	10899.88
1 - on-off tool	1.74	10899.88	10901.62
1 - 5½"x2⅜" packer	7.25	10901.62	10908.87

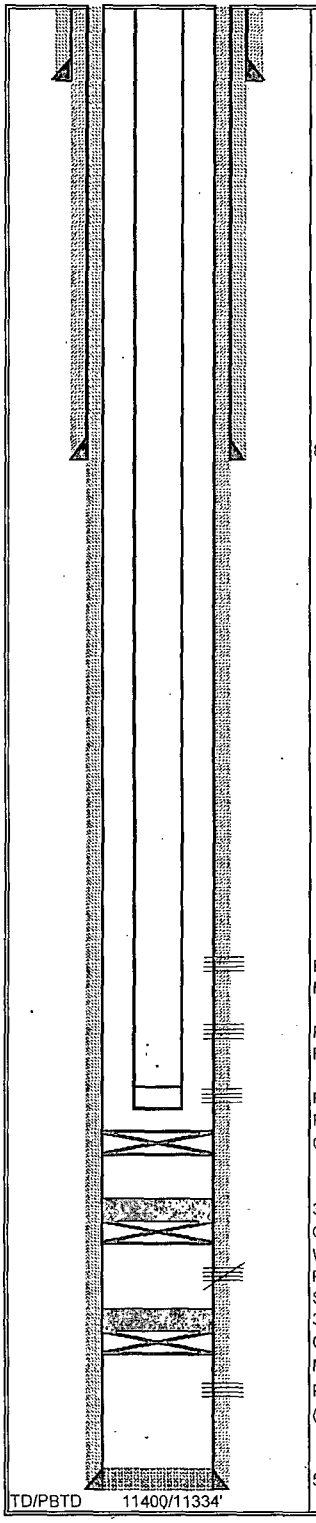
COMMENTS

PROPOSED MECHANICAL SKETCH

GRAYBURG DEEP UNIT 14

868' FNL & 1062' FWL Sec 25 T17S R29E

API #:	30-015-29766	32° 48' 37.044" N
FIELD:	Grayburg Deep Unit	104° 1' 58.512" W
CO ST:	Eddy, NM	
DATES:	**SPUD:** 8/30/97	**IC:** 12/11/97
	LAST WORKOVER:	8/30/2010
	DIAGRAM REVISED:	D. McPherson 06/19/2012



11¾" 42# @ 530' cmt w/ 450 sxs

8⅝" 32# @ 4520' cmt w/ 1160 sxs

Perfs: 5200-5205', 5213-5218', 5248-5253', 5259-5264'
Frac'd w/ 100,000#

Perfs: 5593-5603', 5610-5620'
Frac'd w/ 50,000#

Perfs: 6239-6249', 6340-6350'
Frac'd w/ 100,000#
CIBP @ 6700'±

35' cement on top of CIBP
CIBP @ 9100'±
Wolfcamp
Perfs: 9148-60', 9164-74', 9186-94' (3/24/08)
Sqz'd w/ 300 Sxs (9/2/10)
35' cement on top of CIBP
CIBP @ 10900'±
Morrow
Perfs: 10938-40', 10950-54', 10960-62.5', 10963.5-82'
(11/10/97)

5½" 17# @ 11400' cmt w/ 2375 sx

TD/PBTD 11400/11334'

	CASING		LINER	TUBING
Hole Size				
Pipe Size	11¾"	8⅝"	5½"	2⅜"
Weight	42#	32#	17#	4.7#
Grade	H-40	J-55	J-55 N-80	J-55
Thread	ST&C	ST&C	LT&C	8rd
Depth	530'	4520'	11400'	6370'
ELEVATION:	GR 3594'; KB 3613'			

TUBING		From	To
Elevation	19.00	0.00	19.00
202 jts 2⅜" 4.7# J-55 tbg	6351.00	19.00	6370.00

COMMENTS

1. 5½ 17# J-55 from 3855-7141'
2. Lufkin Conventional C456-305-144 w/ 25 hp NEMA D

Conditions of Approval

Grayburg Deep 14 30-015-29766
ConocoPhillips Co.
January 2, 2013
Sundry dated 08/17/2012
Plug Back to Blinebry

Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging back operations. Eddy County, call 575-361-2822.

Plugging Back operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Plug Back.

1. Surface disturbance beyond the originally approved pad must have prior approval.

2. Closed loop system required.

3. **Minimum** working pressure of the blowout preventer (BOP) and related equipment (BOPE) required shall be **3000 (3M)**. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

4. Operator to have H2S monitoring equipment on location.

5. **Set CIBP at 10,885' (50' to 100' above uppermost perforation) and spot 25 sx on the top. TAG to Be witness by BLM –(Morrow Perfs)**

6. **Set a Top of Morrow formation plug required. From 10,645' to 10,445'**

7. **Set CIBP at 9,095' (50' to 100' above uppermost perforation) and spot 25 sx on the top. TAG to Be witness by BLM –(Wolfcamp Perfs)**

8. **Set a Top of Wolfcamp formation plug required. From 7,895' to 7,715' and TAG**

9. **Set a Top of Abo formation plug required. From 7,220' to 7,050' and TAG**

10. **Continue on with Step 10 and run combination GR/CBL/CCL/USI and submit a copy to the BLM as soon as possible to concur with top of cement.**

11. **Subsequent sundry with recorded tag depths and well test and wellbore schematic required.**

EGF 010213