

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 22 2014

RECEIVED

PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



March 21, 2014

Mack Energy Corporation
PO Box 960
Artesia, NM 88211-0960

RE: Victoria Federal #4
2310' FNL & 2310' FEL
Sec. 30, T15S, R29E
Chaves County, New Mexico

820 10/28/2014
Accepted for record
NMOCD

30-005-64188

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham

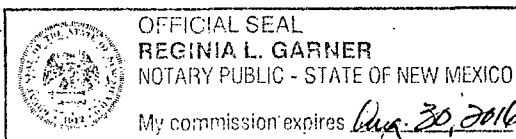
Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 21st day of March, 2014.

Reginia L. Garner
Notary Public

Pending BLM approvals will
subsequently be reviewed
and scanned



VICTORIA FED # 4

Date	Depth	Deviation
3/13/2014	202	0.10
3/14/2014	420	1.30
3/17/2014	570	1.40
3/17/2014	1005	1.50
3/17/2014	1477	0.00
3/18/2014	1918	1.40
3/18/2014	2389	1.90
3/18/2014	2863	1.00
3/19/2014	3251	0.90

EOF

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 22 2014

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WELL COMPLETION OR RE-COMPLETION REPORT AND LOG

Bold* fields are required.

Accepted for record
10/28/14
NMDCD

Section 1 - Completed by Operator	
1. BLM Office* Roswell, NM	2. Well Type* OIL
3. Completion Type* New Well	
Operating Company Information	
4. Company Name* MACK ENERGY CORPORATION	
5. Address* P.O. BOX 960 ARTESIA NM 88210	6. Phone Number* 575-748-1288
Administrative Contact Information	
7. Contact Name* ROBERT _ CHASE	8. Title* VICE PRESIDENT
9. Address* P.O. BOX 960 ARTESIA NM 88210	10. Phone Number* 575-748-1288 _ 11. Mobile Number _____
12. E-mail* JERRYS@MEC.COM	13. Fax Number 575-746-9539
Technical Contact Information	
<input type="checkbox"/> Check here if Technical Contact is the same as Administrative Contact.	
14. Contact Name* DEANA _ WEAVER	15. Title* PRODUCTION CLERK
16. Address* P.O. BOX 960 ARTESIA NM 88210	17. Phone Number* 575-748-1288 _ 18. Mobile Number _____
19. E-mail* DWEAVER@MEC.COM	20. Fax Number 575-746-9539
Surface Location	
21. Specify location using one of the following methods: a) State, County, Section, Township, Range, Meridian, N/S Footage, E/W Footage, with Qtr/Qtr, Lot, or Tract b) State, County, Latitude, Longitude, Metes & Bounds description	
State*	County or Parish*

Pending BLM approvals will
subsequently be reviewed
and scanned

NM	CHAVES			
Section 30	Township 15S	Range 29E	Meridian	
Qtr/Qtr SWNE	Lot # —	Tract # —	N/S Footage 2310 FNL	E/W Footage 2310 FEL
Latitude —	Longitude —	Metes and Bounds		

Producing Interval Location

22. Specify location or

☒ Check here if the producing hole location is the same as the surface location.

State* NM	County or Parish* CHAVES			
Section 30	Township 15S	Range 29E	Meridian	
Qtr/Qtr SWNE	Lot # —	Tract # —	N/S Footage 2310 FNL	E/W Footage 2310 FEL
Latitude —	Longitude —	Metes and Bounds		

Bottom Location

23. Specify location or

☒ Check here if the bottom hole location is the same as the surface location.

State* —	County or Parish* —			
Section —	Township —	Range —	Meridian	
Qtr/Qtr —	Lot # —	Tract # —	N/S Footage —	E/W Footage —
Latitude —	Longitude —	Metes and Bounds		

Lease and Agreement

24. Lease Serial Number* NMNM4434	
26. If Unit or CA/Agreement, Name and/or Number —	27. Field and Pool, or Exploratory Area* ROUND TANK SAN ANDRES

Well

28. Well Name* VICTORIA FEDERAL		29. Well Number* 4	30. API Number 30-005-64188
31. Date Spudded 03/13/2014	32. Date T.D. Reached 03/18/2014	33. Date Completed 09/16/2014 <input type="checkbox"/> Dry & Abandoned <input checked="" type="checkbox"/> Ready to Produce	34. Elevations (DF, RKB, RT, GL) 3741 Ground Level
35. Total Depth: MD 3297 TVD 3297	36. Plug Back Total Depth: MD 3245 TVD 3245	37. Depth Bridge Plug Set: MD — TVD —	

38. Type Electric & Other Mechanical Logs Run

(Submit copy of each)

CNL, DLL, FDC, GR

39.

Was Well Cored? ☒ No ☐ Yes (Submit Analysis)

Was DST run? ☒ No ☐ Yes (Submit Report)

Directional Survey? ☒ No ☐ Yes (Submit Copy)

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

Hole Size	Casing Size	Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks.	Slurry Vol. (BBL)	Cement Top	Amount Pulled
12.25	8.625	J-55	32	0	457	—	846	—	0	0
7.875	5.5	L-80	17	0	3292	—	650	—	0	0
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—

41. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)
2.875	3206	—
—	—	—
—	—	—

42. Producing Intervals

Formation	Top (MD)	Bottom (MD)
A) ROUND TANK SAN ANDRES	2986	3097
B) ROUND TANK SAN ANDRES	3114	3202
C) —	—	—
D) —	—	—

43. Perforation Record

Top	Bottom	Size	No. Holes	Perf. Status
2986	3097	0.42	33	OPEN
3114	3202	0.42	34	OPEN
—	—	—	—	—
—	—	—	—	—

44. Acid, Fracture, Treatment, Cement Squeeze, etc.

Top	Bottom	Amount and Type of Material
3114	3202	1848GAL 15% HCL, 11,180BBLs SLICKWATER, 21,315# 100 MESH, 120,206# WHITESAND 40/70
2986	3097	1500GAL 15% HCL, 11,321BBLs SLICKWATER, 20,583# 100 MESH, 125,257# WHITESAND 40/70
—	—	—
—	—	—

45. Production Method and Well Status for Production Intervals

Production Method	Well Status
Electric Pumping Unit	Producing Oil Well

46. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
09/20/2014	09/29/2014	24	>>>>>>	91	60	350	38.20	0.6000
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
—	—	—	>>>>>>	91	60	350	659	

47. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____

48. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____

49. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____

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

Sold

51. Summary of Porous Zones (Include Aquifers):

Show all important zones of 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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top (MD)
QUEEN	1545	1560	SAND/OIL/GAS/WATER	YATES	798
SAN ANDRES	2986	3202	DOLOMITE/OIL/GAS/WATER	SEVEN RIVERS	1032
_____	_____	_____	_____	QUEEN	1524
_____	_____	_____	_____	GRAYBURG	1924
_____	_____	_____	_____	SAN ANDRES	2221
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

52. Formation (Log) Markers

53. Additional remarks (include plugging procedure):

6/16/2014 Perforated 3114-63202' w/ 34 holes.

6/17/2014 Acidized w/ 1848 gals 15% HCL Acid.

9/8/2014 Frac w/ 11,180 bbls Slickwater, 21,315# 100 Mesh, 120,206# Whitesand 40/70. Set plug @ 3110'.

9/11/2014 Perforated 2986-3097', w/ 33 holes.

9/13/2014 Frac w/ 15 gals 15% Acid, 11,321 bbls Slickwater, 20,583# 100 Mesh, 125,257# White Sand 40/70.

9/15/2014 RIH w/ 98 jts 2 7/8", J-55, 6.5# @ 3206', 2 1/2 x 2 x 16' pump.

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

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

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

55. Name
 DEANA _ WEAVER

56. Title
 PRODUCTION CLERK

57. Date* (MM/DD/YYYY)
 10/20/2014 Today

58. Signature*
You have the ability to sign this form only if a SmartCard or digital certificate has been issued to you.

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.

Section 2 - System Receipt Confirmation

59. Transaction
 272008

60. Date Sent
 10/20/2014

61. Processing Office
 Roswell, NM

Section 3 - Internal Review #1 Status

62. Review Category

63. Date Completed

64. Reviewer Name

65. Comments

Section 4 - Internal Review #2 Status

Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 22 2014

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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.

Bold* fields are required.

RD 10/28/14
Accepted for record
NMBCD

Section 1 - Completed by Operator	
1. BLM Office* Roswell, NM	2. Well Type* OIL
3. Submission Type* <input type="radio"/> Notice of Intent <input checked="" type="radio"/> Subsequent Report	4. Action* Drilling Operations
Operating Company Information	
5. Company Name* MACK ENERGY CORPORATION	
6. Address* P.O. BOX 960 ARTESIA NM 88210	7. Phone Number* 575-748-1288
Administrative Contact Information	
8. Contact Name* ROBERT _ CHASE	9. Title* VICE PRESIDENT
10. Address* P.O. BOX 960 ARTESIA NM 88210	11. Phone Number* 575-748-1288 _ 12. Mobile Number _____
13. E-mail* JERRYS@MEC.COM	14. Fax Number 575-746-9539
Technical Contact Information	
<input type="checkbox"/> Check here if Technical Contact is the same as Administrative Contact.	
15. Contact Name* DEANA _ WEAVER	16. Title* PRODUCTION CLERK
17. Address* P.O. BOX 960 ARTESIA NM 88210	18. Phone Number* 575-748-1288 _ 19. Mobile Number _____
20. E-mail* DWEAVER@MEC.COM	21. Fax Number 575-746-9539
Lease and Agreement	

22. Lease Serial Number*

NMNM4433

24. If Unit or CA/Agreement, Name and/or Number**25. Field and Pool, or Exploratory Area***
ROUND TANK SAN ANDRES**County and State for Well****26. County or Parish, State***

CHAVES NM

Associated Well Information**27. Specify well using one of the following methods:**

- a) Well Name, Well Number, API Number, Section, Township, Range, Qtr/Qtr, N/S Footage, E/W Footage
 b) Well Name, Well Number, API Number, Latitude, Longitude, Metes & Bounds description

Well Name* CALGARY FEDERAL		Well Number* 2	API Number 30-005-64199
Section 24	Township 15S	Range 28E	Meridian
Qtr/Qtr NESE	N/S Footage 1650 FSL		E/W Footage 990 FEL
Latitude	Longitude	Metes and Bounds	

28. 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 recompleate horizontally, give subsurface locations and measured and true vertical depths of all markers and zones. Attach the Bond under which the work will be performed or provide the Bond Number on file pertinent with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

10/6/2014 Spud 12 1/4" hole @ 5:30pm. TD 12 1/4" hole @ 421'. RIH w/ 10jts 8 5/8", 32#, J-55, ST&C @ 421'. Cement w/ 50sx Scavenger 11# C2% cmt, Lead 100sx RFC C15%, Tail 350sx C2%, plug down 3:34am, Circ 214sx. WOC 18 hrs tst BOP/CSG to 2000# for 30 mins, held ok.
 10/10/2014 TD 7 7/8" hole @ 3397'. RIH w/ 76jts 5 1/2", 17#, L-80, LT&C @ 3391'. Cement w/ 250sx Class C 4%, tail 400sx PVL.
 10/11/2014 Plug down @ 3:42am. Circ 129sx. WOC 12 hrs tested csg to 1500# for 30 mins, held ok.
 10/12/2014 Released Rig.

I hereby certify that the foregoing is true and correct.

29. Name*

DEANA _ WEAVER

30. Title

PRODUCTION CLERK

31. Date* (MM/DD/YYYY)

10/14/2014

Today

32. Signature*

You have the ability to sign this form only if a SmartCard or digital certificate has been issued to you.

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.

Section 2 - System Receipt Confirmation**33. Transaction**

272009

34. Date Sent

10/20/2014

35. Processing Office

Roswell, NM

Section 3 - Internal Review #1 Status**36. Review Category****37. Date Completed****38. Reviewer Name****39. Comments****Section 4 - Internal Review #2 Status****40. Review Category****41. Date Completed****42. Reviewer Name****43. Comments****Section 5 - Internal Review #3 Status****44. Review Category****45. Date Completed****46. Reviewer Name****47. Comments****Section 6 - Internal Review #4 Status****48. Review Category****49. Date Completed****50. Reviewer Name**