Form 3160-4
(March 2012)

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Farmington Field Office
Bureau of Land Management

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NM-93255

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

6. If Indian, Allottee or Tribe Name: Navajo Indian Tribe

7. Unit or CA Agreement Name and No.

2. Name of Operator: Running Horse Production Company

8. Lease Name and Well No.: Tenneco Federal #1R

3. Address: 14933 Hwy 172, PO Box 369, Ignacion, CO 81137

3a. Phone No. *(include area code)*: 970-563-5167

9. API Well No.: 30-045-35490 -0051

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

At surface: 809'FSL, 897'FWL of Section 8, T26N, R12W

OIL CONS. DIV DIST. 3
MAR 23 2015

10. Field and Pool or Exploratory: Basin Fruitland Coal

11. Sec., T., R., M., on Block and Survey or Area: Sec.8,T26N, R12W

At top prod. interval reported below

At total depth

12. County or Parish: San Juan

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
12/10/2014	12/21/2014	☑ D & A ☐ Ready to Prod.	6001'

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6000' TVD 5964	MD 1364' TVD 1364'	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Triple Combo/ Cement Bond Log

22. Was well cored? ☐ No ☑ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26"	20"/H40	94	Surf	80'	NA	neat ready mix	57	Surf	
17-1/2"	13-3/8"J55	54.5	Surf	410'	NA	500/BondCem	52	Surf	
12-1/4"	9-5/8" J55	36	1047'	1530'	1047	510/ElastiCem	67	1,047' ACP	
12-1/4"	9-5/8" J55	36	Surf	1047'	1047	50/BondCem,	128	Surf	
						run CBL			

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"	1243							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	878'	1,178'	1,161'-1,178' (17')	.45"	68	4spf 90 degrees phasing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
1,161'-1,178'	459 bbls water/70% N2 XLink gel; 60,940 lbs./ 20/40 Premium White

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
3-1-15	3-1-15	24	→	0	0	70	NA	NA	Pumping Unit

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
48	0	20	→	0	0	70	NA	Well is currently producting water with a trace of gas. Gas is being sent through flare until pipeline quality due to nitrogen.

28a. 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
MAR 18 2015
FARMINGTON FIELD OFFICE
BY: william Tambekou

NMOCD

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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 *(Solid, used for fuel, vented, etc.)*

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Fruitland Coal	846	1160	Thin silt stones, silts, carbonate shale & coal gas. Interval is perforated and producing.	Fruitland	846
Mancos Shale	3990	4772	Shale, mudstone, posssible oil and gas. Recovered 19 sidewall cores from 4,805'-5,235' to test teh Mancos Shale potential.	Mesaverde	2005
				Mancos	3990
				Gallup	4772
				Dakota	5759

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.) ☐ Geologic 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)* Marvin Seale Title Petroleum Engineer

Signature Date 03/17/2015

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.

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