

Additional Information Part II

Received: 01/29/2020

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete



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January 29, 2020

New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

RE: Form C-108, Application for Authorization to Inject
Rio Blanco 4 Fed Com #3; API# 30-025-36425
Lea County, NM
Section 4, T23S, R34E; 1650' FSL & 1650' FEL

To Whom it May Concern,

I am writing to confirm that all available geologic and engineering data near the subject well has been evaluated and no faulting has been identified. There is also no evidence that any other hydrologic connection exists between the disposal zone and any aquifer.

Sincerely,

A handwritten signature in black ink, appearing to read "John Green". The signature is fluid and cursive, with a large initial "J" and a long, sweeping underline.

John Green
Geologist
John.green@dvn.com
405-228-4225

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: CABALLO 9 STATE #1		Field: ANTELOPE RIDGE	
Location 1650' FNL & 660' FWL; SEC 9-T23S-R34E		County: LEA	State: NM
Elevation 3419' GR; 3434' KB		Spud Date: 3/23/99	Compl Date: 5/22/99
API#: 30-025-34577	Prepared by Ronnie Slack	Date 11/20/07	Rev: 5/8/07

**CONVERTED TO SWD
Commenced Injection 11/3/07**

26" Hole
20", 94#, J55/H40, STC, @ 730'
Cemented w/1525 Sx to surface

17-1/2" Hole
13-3/8", 61#, J55, BT&C, @ 2,265'
Cemented w/ 1260 Sx Circulated

12-1/4" Hole
9-5/8", 40#, N80, J55, K55, ST&C, @ 5,012'
Cemented w/2250 Sx TOC @ 1400' (Temp Survey 4/9/99)

DELAWARE BELL CANYON-SWD (9/15/07)
5060'-5080'; 5130'-5150'; 5162'-5170'; 5226-5232'

DELAWARE BELL CANYON-SWD (9/11/07)
5364'-5380'; 5432'-5452'; 5580'- 5590'

DELAWARE CHERRY CANYON - SWD (9/6/07)
5860'-5870'; 5908'-5912'; 6000'-6007'
6288'-6294'; 6360'-6366'; 7014'-7020'

BONE SPRING (3/20/01)
8494' - 8496'
8505' - 8508'
8514' - 8531'

3/22/01 acidized w/2000 gals 15% NeFe

8-1/2" Hole
7", 26# & 23#, S95, LT&C, @ 11,800'
Cemented w/1250 Sx TOC @ 3750' (Temp Survey 4/23/99)

STRAWN (open hole 11800-11932) (5/22/99)
ATOKA (open hole 11933-12250) (5/22/99)

6-1/8" Open Hole 11,800' to 13,450'

3-1/2", 9.3#, L80, western falcon poly core tubing

T2 On/Off tool w/2.25 F Nipple
Arrowset 1X Nickel coated packer @ 5,000' (9/25/07)
2-7/8" x 4' blast jt, 1 87" R nipple, Entry guide EOT @ 5006'

9/20/07 Acid fraced 5060-5232 w/4000 gals 15% HCl + 48000 gals
spectra star 2500 w/123000# 16/30 white sand, flushed w/196 bbls 25#
linear gel Avg 59 bpm, 1656 psi

9/13/07 Acid fraced 5364-5590 w/4000 gals 15% HCl + 62000 gals
spectra star 2500 w/160000# 16/30 white sand, flushed w/208 bbls 25#
linear gel Avg 60 bpm, 1341 psi

9/7/07 Acid fraced 5860-7020 w/3000 gals 15% HCl + 48000 gals
spectra star 2500 w/123000# 16/30 white sand, flushed w/227 bbls linear
gel Avg 58 bpm, 1500 psi

35' cement (9/6/07)
CIBP @ 7218' (9/6/07)

35' cement (9/6/07)
CIBP @ 8455' (9/6/07)

CIBP @ 8900' w/35' cement on top (3/20/01)

CIBP @ 11800' w/35' cement on top (3/20/01)

40 Sx Cement plug: 12,250' - 12,450' (5/9/99)

35 Sx Cement plug: 12,700' - 12,900' (5/9/99)

13,450' TD

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Rio Blanco 4 Fed #1		Field: Bell Lake	
Location: 1980' FNL & 1980' FWL, Sec 4-T23S-34E		County: Lea	State: NM
Elevation: 3404' GL, 3426' RKB		Spud Date: 11/4/98	Compl Date: 2/26/99-orig hole
API#: 30-025-34515	Prepared by: Ronnie Slack	Date: 3/2/05	Rev:

■ CURRENT

17-1/2" Hole

13-3/8", 61#, J55, ST&C @ 2236'

Cmt'd w/1075 sks. Cmt to surf.

12-3/4" Hole

9-5/8", 40#, S95, @ 5168'

Cmt'd w/ 1725 sks. Cmt to surf.

NOTE:

2/26/99: Well originally drilled to 13380' and completed in Morrow at 12916-12945'.

6/3/2000: Rec to Atoka 12056-12064

7/2003: Original wellbore abandoned and well was sidetracked out of 7" casing at 10905' and drilled to 14597 and completed in Devonian formation (open hole)

Production Tubing (9/18/03)

399 Jts, 2-7/8", (2.441" ID)

2-7/8" x 2-3/8" X over @ 10521'

2 Jts 2-3/8" (1.995" ID)

L10 On/Off Tool w/1.875" profile @ 10586'

Model WL Packer @ 10587'

6', 2-3/8" pup jt

1.875 "R" Nipple, w/1.822 No Go

EOT @ 10598'

Top of 5" Liner @ 10,540'

2-7/8" x 2-3/8" X/O @ 10521'

2 Jts 2-3/8" tubing

L10 On/Off Tool w/ 1.875" profile @ 10586'

Model WL Reliant Packer @ 10587' (9/12/03)

EOT @ 10598'

8-3/4" Hole

Sidetracked out 7" casing at 10905'

7", 26#, P110, @ 11718' (orig wellbore)

6-1/8" Hole

5", 18#, S95, @ 14488'

Cmt'd w/210 sks

4-1/8" hole (14490-14590)

DEVONIAN

14488' - 14590' (Open Hole)

TD @ 14,590'

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: RIO BLANCO 9 STATE 1	Field: BELL LAKE NORTHEAST
Location: 660' FNL & 2129' FEL; SEC 9-T23S-R34E	County: LEA State: NM
Elevation: 3422' KB; 3405' GL; 17' KB to GL	Spud Date: 7/9/04 Compl Date: 10/12/04
API#: 30-025-36302 Prepared by: Ronnie Slack	Date: 7/24/17 Rev:

WELLBORE PLUGGED & ABANDONED
7/24/17

Csg caliper log shows 7" casing parted @ 1,403' - 1,407'.
40% loss of wall thickness. (3/22/17)

17-1/2" hole
13-3/8", 54.5#, J55, @ 1,660'
Cmt'd w/1625 sx to surface

DV Tool @ 3,224'

12-1/4" hole
9-5/8", 40#, P110, @ 5,142'
Cmt'd Stg 1 w/725 sx. Stg 2 w/1100 sx to surface

5" Liner top @ 11,530'

8-3/4" Hole
7", 26#, P110, @ 11,855'
Cmt'd w/1525 sx. TOC @ 4,947' -TS

6-1/8" Hole
5", 23#, L80, STL, liner @ 11,530' - 14,546'
Cmt'd w/400 sx

3-7/8" Open hole
DEVONIAN
Open Hole 14,546' - 14,654'

10# Mud

10# Mud

10# Mud

10# Mud

10# Mud

10# Mud

Brine

14,654' MD

Actual:
3. Cut wellhead off. Set AGL dry hole marker. (7/24/17)
2. Pmp 60 sx CI C in/out to surface. (7/21/17)
1. Perfed @ 170'. (7/21/17)

Actual:
2. Tagged TOC @ 1,026'. (7/21/17)
1. Spot 240 sx CI C @ 1,470'. (7/21/17)
(casing parted @ 1,407' - 1,403')

Actual:
3. Tagged TOC @ 1,597' (7/21/17)
2. Spot 200 sx CI C @ 1,948'. (7/20/17)
1. Perfed @ 1,940'. (7/20/17)
(T.Salt @ 1,936')

Actual:
2. Tagged TOC @ 4,758'. (7/19/17)
1. Spot 90 sx CI C @ 5,325'. (7/19/17)
(3,000' spacer; T.Delaware @ 5,136'; B.Salt @ 4,895')

Actual:
2. Tagged TOC @ 8,276'. (7/19/17)
1. Spot 30 sx CI H @ 8,464'. (7/19/17)
(Bone Spring @ 8,464')

Actual:
2. Tagged TOC @ 11,013'. (7/18/17)
1. Spot 30 sx CI H @ 11,190'. (7/18/17)
(Wolfcamp @ 11,190')

Actual:
2. Tagged TOC @ 11,387'. (7/18/17)
1. Spot 55 sx CI H @ 11,905'. (7/17/17)

Actual:
3. Tagged TOC @ 14,179'. (7/17/17)
2. Tagged CIBP. Spot 25 sx CI H @ 14,500'. (7/14/17)
1. Set CIBP @ 14,500'. (7/13/17)

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Rio Blanco 33 Fed #1		Field: Wildcat	
Location: Sec 33, T22S, R34E, 1000' FSL, 1620' FWL		County: Lea	State: NM
Elevation: 3407' GL		Spud Date: 9/19/03	Compl Date: 3/8/2004
API#: 30-025-36359	Prepared By: L. Wilborn		

■ ACTUAL

Hole size - 26"
20", 106.5# & 133#, J55, BTC @ 1763'
 Cmt'd w/ 3405 sx total. (Topped of w/ 100 sx)

Well sidetracked @ ~ 1862' around stuck drill pipe. (10/20/03)

17.5" hole
13-3/8", 68#, J55 & HCK 55, BTC @ 5135'
 Cmt'd w/ 3150 sx

Est TOC @ 7500'

Top of 7-5/8" liner @ 11678'

12-1/4" hole
9-5/8", 53.5# & 43.5#, P110 @ 11980'
 Cmt'd w/ 1320 sx

Proposed:

Atoka Perforations 12,070-12,100'

35' cement on top of CIBP
 CIBP @ 12,700'

35' cement on top of CIBP
 CIBP @ 14,167'

8.5" Hole
7-5/8", 39#, HCP-110, STL @ 14497'
 Cmt'd w/ 360 sx

DEVONIAN
 14,497' - 14,682'

Production Tubing Detail:

0 - 4937': 2-7/8", 7.9#, L80, RTS-6
 ID: 2.323"; Drift 2.229"; OD- 3.438"

4938' - 14467': 2-7/8", 6.5#, L80, EUE
 ID: 2.441"; Drift 2.347"; OD-3.668"

Survey Data:

4 deg @ 11230'
 6 deg @ 11324'
 9 deg @ 11419'
 10 deg @ 11482'
 6 deg @ 11608'
 6 deg @ 11734'
 5.5 deg @ 11848'
 5 deg @ 11930'

Survey Data:

4 deg @ 12143'
 3 deg @ 12440'
 1.75 deg @ 12709'
 2 deg @ 12778'
 1 deg @ 13020'
 .25 deg @ 13330'
 1.75 deg @ 13479'
 2 deg @ 13868'
 3 deg @ 14348'
 3 deg @ 14497'

T-2 On/Off Tool w/ 1.875" F profile @ 12,039'
Arrow Set 1X Packer @ 12,040'
 6' tubing sub, 1.875" F profile
 4' tubing sub, 1.875" R w/ 1.82" no go
 pump out plug installed when run. Pumped out.
 WEG @ 12,056'

Open Hole Section from 14,497' to 14,682'

TD @ 14682' MD