

Submit to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

State Lease-6 copies
Fee Lease-5 copies

OIL CONSERVATION DIVISION

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

Form C-105
Revised 1-1-89

WELL API NO.:
30-045-27991

5. Indicate Type of Lease:
State

6. State Oil & Gas Lease No.:
E-178-1

7. Lease Name/Unit Agreement
Name:
N.E. Blanco Unit

8. Well No.:
504

9. Pool Name or Wildcat:
Basin Fruitland Coal

WELL COMPLETION OR RECOMPLETION AND LOG *

1a. Type of Well: oil well ☐ gas well ☐ dry ☐ other: SMD
b. Type of Completion: new well ☒ work over ☐ deepen ☐
plug back ☐ diff. resvr. ☐ other ☐

2. Name of Operator: Blackwood & Nichols Co, A Limited Partnership

3. Address of Operator: P.O. Box 1237, Durango, CO 81302

4. Well Location: Unit Letter: N : 1100 Feet From The South Line and 790 Feet From The West Line
Section: 16 Township: 31N Range: 7W NMPM San Juan County

10. Date Spudded: 11-24-90 11. Date TD Reached: 12-1-90 12. Date Compl. (ready to produce): 12-10-90 13. Elev. (DF, RKB, RT, GR, Etc)* 6529' KB 14. Elev. Csgd. 6515' UG

15. Total Depth: 3416' 16. Plug Back TD: 3416' 17. If Mult. Comp.: How Many Zones? N/A 18. Intervals Drilled By: 19. Producing Interval(s), of this completion - Top, Bottom, Name: Fruitland Basin Coals, Open Hole Completion from 3083' to 3416' 20. Was Directional Survey Made? YES

21. Type Electric and Other Logs Run: Mud Log 22. Was Well Cored? NO

23. CASING RECORD (Report all strings set in well)

Casing Size	Weight, LB/FT	Depth Set	Hole Size	Cementing Record	Amount Pulled
9.625"	36# J-55	352'	12.25"	295 cf Class B Neat	14 Bbls Circ. Cement
7.000"	23# K-55	3083'	8.75"	732 cf 65/35 Poz Mix	
				148 cf Class B Neat	22 Bbls Circ. Cement

24. LINER RECORD

Size	Top	Bottom	Sacks Cement	Screen	Size	Depth Set	Packer Set
5.500"	3046'	3416'	None	N/A	2.375"	3350'	N/A

26. Perforation Record (Interval, size and number):

5.5" Uncemented Pre-perfed Liner
3416-3397'; 3263-3111'
4 (HPF) Open Hole 3083-3416'

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27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
3083'-3416'	Natural stress relieved the coal zones.

28. PRODUCTION

Date First Production: Production Method (Flowing, gas lift, pumping-size and type of pump): Flowing during completion operation, dry gauge Well Status (shut-in): Shut in

Date of Test: 12-10-90	Hours Tested: 1 Hr.	Choke Size: 2" Pitot	Prod'n For Test Period:	Oil-Bbl N/A	Gas-MCF N/A	Water-Bbl N/A	Gas-Oil Ratio N/A
Flow. Tubing Press: 1000 psig SI	Casing Pressure: 1050 psig SI	Calculated 24 HR Rate:	Oil-Bbl N/A	Gas-MCF 2148 MCFD	Water-Bbl 25 BWD	Oil Gravity-API N/A	

29. Disposition of Gas (Sold, used for fuel, vented, etc): Vented Test Witnessed By: J. Weatherford

30. List of Attachments:

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signed: R. W. Williams

ROY W. WILLIAMS

Title: ADMINISTRATIVE MANAGER Date: 1/14/91

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southwestern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon . . .	T. Ojo Alamo	T. Penn "B"
T. Salt	T. Strawn . . .	T. Kirtland-Fruitland	T. Penn "C"
B. Salt	T. Atoka . . .	T. Pictured Cliffs	T. Penn "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian . .	T. Menefee	T. Madison
T. Queen	T. Silurian . .	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya . .	T. Mancos	T. McCracken
T. San Andres	T. Simpson . .	T. Gallup	T. Ignacio Otzte . .
T. Glorieta	T. McKee . . .	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash . .	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C) .	T.	T. Penn A	T.

OIL OR GAS SANDS OR ZONES

No. 1, fromto..... No. 3, fromto.....
 No. 2, fromto..... No. 4, fromto.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, fromto..... feet
 No. 2, fromto..... feet
 No. 3, fromto..... feet

LITHOLOGY RECORD(Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness in Feet	Lithology
Coal Zones:			Fruitland Coal	Coal Zones:	(cont'd)		Fruitland Coal
3118'	3120'			3207'	3210'		
3135'	3139'			3213'	3214'		
3140'	3146'			3232'	3233'		
3161'	3163'			3236'	3239'		
3164'	3169'			3406'	3407'		
3190'	3194'			PC Tongue		3285'	
3195'	3206'			Top Main P.C.		3413'	