

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

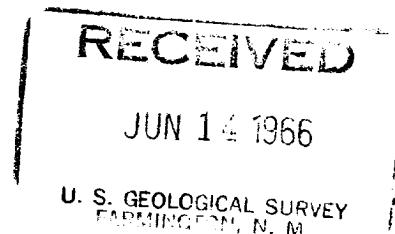
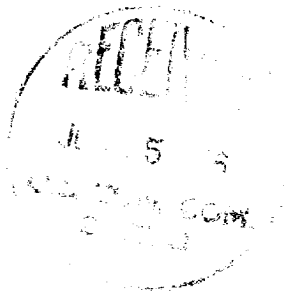
1. OIL WELL ☐ GAS WELL ☒ OTHER		5. LEASE DESIGNATION AND SERIAL NO. Santa Fe 079043	
2. NAME OF OPERATOR Blackwood & Nichols Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 1237, Durango, Colorado		7. UNIT AGREEMENT NAME Northeast Blanco Unit Agreement No. 1, Sec 929	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1650' F/NL - 990' F/EL		8. FARM OR LEASE NAME Northeast Blanco Unit	
14. PERMIT NO.		9. WELL NO. 16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6313 DF		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 9-30N-7W NMPM	
		12. COUNTY OR PARISH Rio Arriba	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) ☐	
(Other) Workover to increase product. ☒		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Pull 2-3/8" tubing, clean out to 5507', run 4 1/2"-10.50# J casing and circulate cement. Perforate and sand-water fracture the Mesaverde Zone in two stages, rerun tubing and return well to production.



18. I hereby certify that the foregoing is true and correct

SIGNED

Delasso Loos

TITLE

Field Superintendent

DATE

6-13-66

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Blackwood & Nichols Company

3. ADDRESS OF OPERATOR

P. O. Box 1237, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1650' F/NL - 990' F/EL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

6-26-66

16. DATE T.D. REACHED

7-1-66

17. DATE COMPL. (Ready to prod.)

7-4-66

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6313' DF

19. ELEV. CASINGHEAD

6303'

20. TOTAL DEPTH, MD & TVD

5680'

21. PLUG, BACK T.D., MD & TVD

5665'22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DROPPED1680'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Cliffhouse 5081' - 5120'Point Lookout 5425' 5652'Menefee 5120' - 5425'25. WAS DIRECTIONAL
SURVEY MADENO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray - Neutron Correlation Log

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	32.75	229'	12 1/4"	175 Regular	
7"	20 & 23	5081'	8 3/4"	250 Regular	
4 1/2"	10.50	5676'	6 1/4"	470 Class C	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5602'	None

31. PERFORATION RECORD (Interval, size and number)

5092' - 5344' - 192 - 1/2" holes5430' - 5652' - 196 - 1/2" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>5092' - 5344'</u>	<u>55,250 gals water 40,000# Sand</u>
<u>5430' - 5652'</u>	<u>46,990 gals water 40,000# Sand</u>

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
<u>After workover</u>		<u>Flowing</u>				<u>Producing</u>	
<u>7-28-66</u>							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>7-25-66</u>	<u>3 hours</u>	<u>3/4"</u>	<u>→</u>	<u>None</u>	<u>Q = 4037</u>	<u>None</u>	<u>None</u>
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
<u>315</u>	<u>727</u>	<u>→</u>	<u>None</u>	<u>12,162</u>	<u>None</u>		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Gamma Ray - Neutron Correlation Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Delasao Loos TITLE Field Superintendent DATE 8-4-66

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

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	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Tertiary	0	2025'	Sandstone			
Ojo Alamo	2025'	2110'	"			
Kirtland	2110'	2755'	"			
Fruitland	2755'	3200'	"			
Pictured Cliffs	3200'	3420'	"			
Lewis	3420'	5065'	Shale			
Cliffhouse	5065'	5120'	Sandstone			
Menefee	5120'	5425'	Sandstone			
Point Lookout	5425'	5660'	"			
Mancos	5660'	----	Shale			