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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL		7. Unit Agreement Name	
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐			
b. TYPE OF COMPLETION		8. Farm or Lease Name	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		Clyde Berlier	

2. Name of Operator		9. Well No.	
Brooks Exploration Incorporated		#2	
3. Address of Operator		10. Field and Pool, or Wildcat	
1005 Western Federal Savings Bldg., Denver, Colorado 80202		W.C.	

4. Location of Well		12. County	
UNIT LETTER <u>A</u> LOCATED <u>990'</u> FEET FROM THE <u>North</u> LINE AND <u>990'</u> FEET FROM <u>East</u>		Mora	
THE <u>East</u> LINE OF SEC. <u>23</u> TWP. <u>21N</u> RGE. <u>21E</u> NMPM			

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
9-18-75	9-19-75	9-30-75	6200' GR (est)	6202'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
390'			→	All	

24. Producing Interval(s), of this completion — Top, Bottom, Name	25. Was Directional Survey Made
358'--390' open hole--Dakota Sand	No

26. Type Electric and Other Logs Run	27. Was Well Cored
Gamma Ray	No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"		42'	13 3/4"	Mudded in to surface	None
7"	24#	358'	8 3/4"	5 Sx-Squeeze (See Rept)	None

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Open Hole		DEPTH INTERVAL	
358'-390'		None	
		AMOUNT AND KIND MATERIAL USED	

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping — Size and type pump)				Well Status (Prod. or Shut-in)	
11-1-75		Flowing Gas				S.I.	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
11-22-75	1 Hr.	1.25"	→		9.85		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)	
1.08#	5.13#	→		236.5			

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Vented	Ed Barnholt

35. List of Attachments
Gamma Ray Log, Well Summary, Gas analysis, 4-Point test

36. 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 <u>B. Brooks</u>	TITLE <u>President</u>	DATE <u>November 11, 1975</u>
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the 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 30 through 34 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

Southeastern 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" _____
13. 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 Qtzite _____
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. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	35'	35'	Surface gravel & Clay				
35'	81'	46'	Carlisle Shale				
81'	139'	58'	Greenhorn Ls.				
139'	323'	184'	Graneros Shale				
323'	390'	67'	Dakota Sand & Shale				

903 Republic Building

E. C. BARNHOLT
PETROLEUM ENGINEER
XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX

Denver, Colorado 80202

OFFICE 303/222-0030

HOME 303/733-1120

BROOKS EXPLORATION, INC.

WELL SUMMARY

STATE: New Mexico

COUNTY: Mora

LEASE: Berlier

WELL: No. 2

LOCATION: NE/4 Section 23, Township 21 North, Range 21 East

DATE SPUDDED: September 18, 1975

ELEVATION: 6200 feet GL

CONDUCTOR HOLE SIZE: 13 3/4" DEPTH: 42 feet

CONDUCTOR SIZE: 10 3/4" AMOUNT: 42 feet

SIZE HOLE BELOW CONDUCTOR: 8 3/4" to 360 feet

PRODUCTION CASING SIZE: 7" to 358 feet

CEMENTED WITH: 10 sx (See daily report)

SIZE HOLE BELOW PRODUCTION CASING: 6 1/8" to 390 feet

STIMULATION: None Attempted Due To Suspect Cement Job.

DAILY DRILLING REPORT

September 18, 1975: Spud well at 12:30 p.m., drill 6 1/8" pilot hole to top of Carlile at 36 feet. Ream pilot hole to 13 3/4" drill to 42 feet start running 10 3/4". Stuck at 40 feet.

September 19, 1975: Work 10 3/4" to 42 feet, drilled 8 3/4" hole to 360 feet. Ran 7" casing to 358 feet.

September 20, 1975: Attempted to cement well, couldn't break circulation, casing string started to pump out of hole, chained 7" casing to conductor pipe, pressured up to 900 psi, couldn't get circulation. Halliburton pump truck stuck on location due to heavy rain.

September 21, 1975: Pulled pump truck off location with rig. Stuck again on road, got J. D. Schmidt cat. Pulled pump truck to highway.

September 22, 1975: Rigged up drilling rig. Couldn't move casing, ran drill pipe to bottom, blew well for 45 minutes, well making small amount of moisture.

September 27, 1975: Rigged up drilling rig, attempted to run 3/4" pipe beside 7" casing, only went 60 feet. Set rig on 7" casing, mixed 10 sx, low pressure squeezed 5 sx, left 5 sx in casing.

September 30, 1975: Rigged up drilling rig, drilled 10 - 15' hard cement, drilled to T.D. 390 feet.

October 10, 1975: Ran logs.

WELL TEST
October 3, 1975

<u>Orifice Size</u>	<u>PSIG</u>	<u>MCFPD</u>
1/2"	3.75	70
3/4"	1.75	101
1"	1.00	140

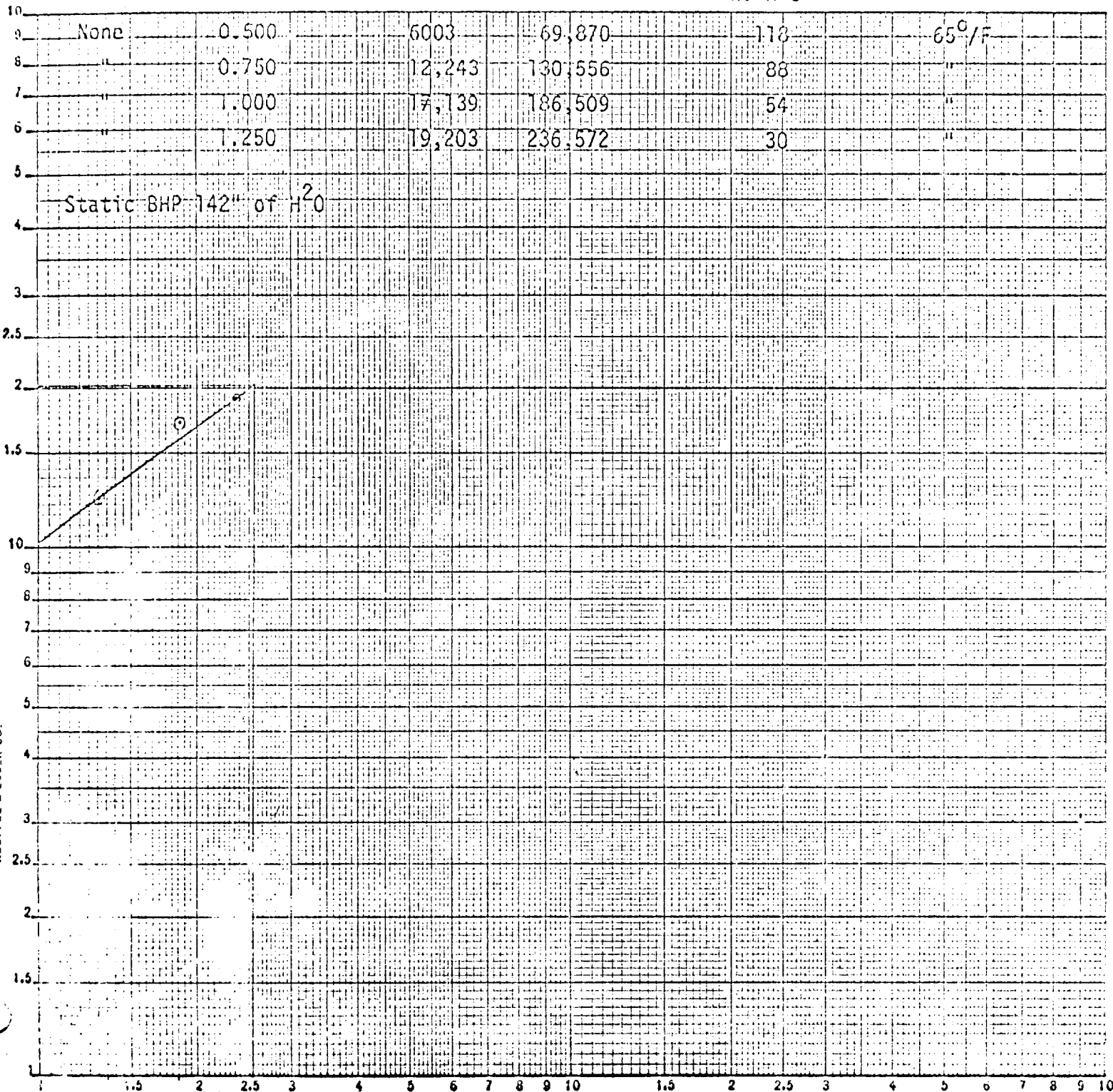
SAMPLE TOPS

Carlile	36 feet
Greenhorn	81 feet
Graneros	139 feet
Dakota	323 feet

NAME OF COMPANY - BROOKS Exploration
 WELL NAME - Berlier #2
 COUNTY & STATE - Mora, New Mexico
 DATE October 22, 1975

work done by CABLE INC.
 Gas Gravity 0.637

CHOKE SIZE	PLATE SIZE	BHP ² FLOWING	GAS VOLUME CF	TUBING PRESSURE In. H ₂ O	Temp.
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All pressures given are in
 inches of H₂O

Flow Rate MCF Per Day
 Absolute open flow 255 MCF

PANTECHS LABORATORIES

P. O. BOX 681 TEL 806 669-6202 PAMPA, TEXAS 79065

ANALYSIS RESULTS SUMMARY

COMPONENT		MOL %	GPM	LIQ. VOL %	SAMPLE DATA		
				XXXXXX 10:45 AM			
NITROGEN		19.12			DATE SAMPLED	10-23-75 CYL. NO. PL-26	
CARBON DIOXIDE		0.37			DATE OF ANALYSIS	10-24-75	
METHANE	C1	80.50			COMPANY	BROOKS EXPLORATION, INC.	
ETHANE	C2	0.00			PLANT		
PROPANE	C3	0.00			LEASE	BERLIER NO. 2	
I-BUTANE	I C4	0.00			SAMPLE OF	WELL HEAD GAS	
N-BUTANE	N C4	0.00			PRESSURE	Well Head 6#	
I-PENTANE	I C5	0.00			TEMPERATURE	ATMOS. 65 F	
N-PENTANE	N C5	0.00			GAS (X)	LIQUID () OIL ()	
HEXANES +	C6	0.00			SAMPLED BY:	Pantechs - JAH	
Oxygen		0.01			ANALYSIS BY:	JAH	
					DISTRIBUTION OF RESULTS:		
					3 - BROOKS EXPLORATION, INC.		
					1005 Western Federal Savings Bldg.		
					Denver, Colo.	80202	

GASOLINE CONTENT

PENTANES AND HEAVIER

BUTANES AND HEAVIER

PROPANE AND HEAVIER

#GASOLINE

HEATING VALUE

CALORIMETER

CALCULATED 798

GROSS BTU/CU. FT.

WATER SATURED
14.696 PSIA & 60 F

WATER SATURED
14.696 PSIA & 60 F : 14.65#

812 DRY GAS BASIS: 14.65 psia & 60 F

SPECIFIC GRAVITY

MEASURED Analytical Balance 0.636

CALCULATED 0.637

VAPOR PRESSURE

REMARKS:

Mr. Bill Brooks