Submit to Appropriate
District Office
State Lease – 6 copies
Fee Lease – 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL API NO. 30-025-29968 ✓

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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 ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☒ OTHER Re-entry

7. Lease Name or Unit Agreement Name: Dickenson Trust

2. Name of Operator: Bettis Brothers, Inc.

8. Well No. 1

3. Address of Operator: 500 W. Texas, Suite 830, Midland, Texas 79701

9. Pool name or Wildcat: Wildcat ~ Penn

4. Well Location
Unit Letter J : 1980 Feet From The South Line and 2310 Feet From The East Line
Section 12 Township 15 South Range 37 East NMPM ~~Eddy~~ Lea County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
3/16/93	3/19/93	P&A 3/22/93	3781' GR	---

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
10,250'	10.065'	NA		All	

19. Producing Interval(s), of this completion - Top, Bottom, Name

20. Was Directional Survey Made

21. Type Electric and Other Logs Run: None; original logs ran by North American Royalties

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

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

Originally drilled by North American Royalties
Well plugged and abandoned 3/22/93.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments: Dst No. 1 (Cisco/Canyon)

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*

Signature Sheryl L. Jonas Printed Name Sheryl L. Jonas Title Agent Date 4/6/93

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 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

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"
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. Permain	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

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

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
See original completion report by North American Royalties.							

TICKET NO. 008164 DATE 3-20-93 ELEVATION (ft.)

TOP OF TESTED INTERVAL (ft.) 9935 BOTTOM OF TESTED INTERVAL (ft.) 10065

NET PAY (ft.) TOTAL DEPTH (ft.) 10065

HOLE OR CASING SIZE (in.) 7.9 MUD WEIGHT (lb./gal.) 9.4 VISCOSITY (sec.) 35

SURFACE CHOKE (in.) .25 BOTTOM CHOKE (in.) .75

OIL GRAVITY @ °F GAS GRAVITY—ESTIMATED ACTUAL

SAMPLER DATA

PRESSURE (P.S.I.) 20 CUBIC FT. OF GAS

C.C.'s OF OIL C.C.'s OF WATER 2400

C.C.'s OF MUD TOTAL LIQUID C.C.'s 2400

TEMPERATURE (°F)

ESTIMATE

ACTUAL 148

DEPTH (ft.) 10061

H.T.-500 ☐; THERMOMETER ☒;
T.E. OR R.T.-7 ☐; OTHER ☐

SERIAL NO.

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER OTHER

RECORDER AND PRESSURE DATA

CHARTS READ BY Herb Smith DATA APPROVED BY

RECORDERS	GAUGE NUMBER	8060		8061		TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1		2		TOOL OPENED 0056	
	GAUGE DEPTH (ft.)	9917		10062		DATE 3-21-93	
	CLOCK NUMBER	27286		16521		BYPASS OPENED 0741	
	CLOCK RANGE (HR.)	48		48		DATE 3-21-93	
	INITIAL HYDROSTATIC	4980		4924		PERIOD	MINUTES
PRESSURES	INITIAL FLOW			287		XXX	XXX
	1st. FINAL FLOW			287		1st. FLOW	15
	CLOSED-IN	4754		4585		1st. C.I.P.	90
	INITIAL FLOW	2324		2160		XXX	XXX
	2nd. FINAL FLOW	2324		2160		2nd. FLOW	90
	CLOSED-IN	4754		4585		2nd. C.I.P.	180
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	4980		4924		XXX	XXX

ADDITIONAL RECORDER AND PRESSURE DATA SPACE ON BACK SHEET IF NEEDED

DO NOT WRITE IN THIS AREA—FOR REPORT SECTION USE ONLY

C. EQUIPMENT DATA SHEET

(1) Tool Name. Show all the equipment (drill pipe, tubing, weight pipe, collars, adapters, tools, etc.) from the derrick floor down that comprised the tool string. Starting at the top of the page and the derrick floor, list the equipment in the order it was located in the string.

(2) Tool Number. Most of the tools and equipment commonly used on a D.S.T. have been assigned a specific number. Enter the appropriate number that corresponds to each item listed in the tool string.

If an item was run in the string that does not have an existing number, use the number 97, 98, or 99 (shown at bottom of page). These three numbers are reserved for this purpose. Write the tool name beside the number being assigned to it. Also show the tool name and its assigned number at the proper location in the tool string list.

(3) O.D. List the outside diameter of each item in the tool string. Show these diameters in inches to three decimal places. Do not use fractions. For Example: 3.875", not 3⅞".

For tubular goods, show the actual O.D. of the pipe (not the O.D. at the pin or box).

For tools, show the maximum diameter of the tool. Do not show O.D. of packer elements.

(4) I.D. List the inside diameter of each item in the tool string. Show these diameters in inches to three decimal places. Do not use fractions.

For tubular goods, show the actual I.D. of the pipe (not the I.D. at the pin). Consult CEMENTING TABLES handbook, if necessary, to insure that I.D. being shown is correct for size and weight of all pipe used. This is critical when attempting to analyze test data.

For tools, show the minimum I.D. through the tool. Consult the tools manuals.

(5) Length. List the make-up length of each item in the tools string. Show these lengths in feet to the nearest tenth of a foot. The length of all tubular goods above the tester valve is critical when attempting to analyze test data.

(6) Depth. Any item in the string that has a tool number of 50 or larger requires the depth to be shown. The depths are to be reported in feet to the nearest tenth of a foot.

For reversing subs and circulating valves show the depth at the reversing port.

When using a hydrospring, report the depth at the valve port.

When using ball valve tools, report the depth at the ball valve.

Report the depth at the pressure inlet port on all gauges. Refer to FORMATION TEST DATA PAGE instructions for gauge depths if needed.

Report open hole packer depths at the packer support and cased hole packer depths at the lower shoe. Refer to FORMATION TEST DATA PAGE instructions for "Tested Interval" if necessary.

DECIMAL EQUIVALENT TABLE

1/64"—.016	7/32"—.219	27/64"—.422	5/8"—.625	13/16"—.813
1/32"—.031	15/64"—.234	7/16"—.438	41/64"—.641	53/64"—.828
3/64"—.047	**1/4"—.250**	29/64"—.453	21/32"—.656	27/32"—.844
1/16"—.063	17/64"—.266	15/32"—.469	43/64"—.672	55/64"—.859
5/64"—.078	9/32"—.281	31/64"—.484	11/16"—.688	7/8"—.875
3/32"—.094	19/64"—.297	**1/2"—.500**	45/64"—.703	57/64"—.891
7/64"—.109	5/16"—.313	33/64"—.516	23/32"—.719	29/32"—.906
1/8"—.125	21/64"—.328	17/32"—.531	47/64"—.734	59/64"—.922
9/64"—.141	11/32"—.344	35/64"—.547	**3/4"—.750**	15/16"—.938
5/32"—.156	23/64"—.359	9/16"—.563	49/64"—.766	61/64"—.953
11/64"—.172	3/8"—.375	37/64"—.578	25/32"—.781	31/32"—.969
3/16"—.188	25/64"—.391	19/32"—.594	51/64"—.797	63/64"—.984
13/64"—.203	13/32"—.406	39/64"—.609		

TOOL NO.	DESCRIPTION
5.	Adapter
64.	APR-N Tester
54.	APR-M2 Safety Circulating Valve
55.	APR-M2 Sampler Circulating Valve
36.	APR-"S" Internal Pressure Relief Valve
58.	APR-SSA Circulating Valve
52.	APR-Type "A" Circulating Valve
53.	APR-Type "R" Circulating Valve
38.	Belly Springs
15.	Big John Jar
22.	Blank Anchor
23.	Blank Sub
91.	Bridge Plug
84.	Bundle Carrier
56.	Circulating Valve—RTTS
5.	Crossover
18.	Distributor Valve
39.	Drag Blocks
33.	Drain Valve
3.	Drill Collars
1.	Drill Pipe
30.	Drill Pipe Tester
34.	Drop and Seat
13.	Dual CIP Sampler
12.	Dual CIP Valve
14.	Extension Joint
37.	EZ Drill Stinger
4.	Flex Weight Pipe
20.	Flush Joint Anchor
57.	Ful-Flo Hydraulic Bypass
93.	Ful-Flo Safety Valve
11.	Handling Sub and Choke Ass'y.
28.	Hydroflate Packer Port Ass'y.
26.	Hydroflate Packer Pump Ass'y.
27.	Hydroflate Packer Screen Ass'y.
25.	Hydroflate Packer Torque Limiter Ass'y.
60.	Hydrospring Tester
63.	Hydrospring Tester—Ful-Flo
61.	Hydrospring Tester—Indexing
62.	Hydrospring Tester—Multiple CIP Sampler
83.	HT-500 Temperature Case
15.	Jar
41.	Junk Pusher
31.	LOC Bypass
32.	Locked Open Bypass
67.	LPR-N Tester Valve
71.	Packer—Cased Hole Retrievable
72.	Packer—EZ Drill SV
75.	Packer—Hydroflate—Lower
74.	Packer—Hydroflate—Top
70.	Packer—Open Hole
73.	Packer—Production or Permanent
21.	Perforated Tail Pipe
40.	Perforating Gun
66.	P.R. Disk Valve
17.	Pressure Equalizing Crossover
50.	Reversing Sub—Hollow Pin Impact
51.	Reversing Sub—Pump Out
80.	Running Case—A.P.
81.	Running Case—Blanked-off
85.	Running Case—Hydroflate Packer—Blanked-off
82.	Running Case—Temperature
86.	Running Case—(Non Halliburton)
19.	Safety Joint—Anchor Pipe
35.	Safety Joint—RTTS
16.	Safety Joint—V.R.
24.	Shoe
90.	Side Wall Anchor
10.	Slip Joint
5.	Sub
6.	Sub Sea Test Tree
65.	Surface Read Out Valve
2.	Tubing
92.	Water Cushion Valve
4.	Weight Pipe

TICKET NO. 008164 DATE 3-20-73 HALLIBURT. CAMP Hobbs

LEASE OWNER Bettis Brothers

LEASE NAME Dickinson Trust WELL NO. 1 TEST NO. 1

LEGAL LOCATION FORMATION TESTED C-5<0

FIELD AREA E. Lovington COUNTY Lea STATE N. M.

TYPE OF D.S.T. Open Hole

TESTER(S) Neal Smith

WITNESS Mr. Dobbs DRILLING CONTRACTOR Norton #5

DEPTHS MEASURED FROM K.B. CASING PERFS (FT.)

TYPE AND SIZE OF GAS MEASURING DEVICE

CUSHION DATA

TYPE N/A AMOUNT WEIGHT (lb./gal.)

TYPE AMOUNT WEIGHT (lb./gal.)

RECOVERY (ft. or bbl.): 138 BBLS formation water

FLUID PROPERTIES

SOURCE	RESISTIVITY @ °F	CHLORIDES (PPM)	SOURCE	RESISTIVITY @ °F	CHLORIDES (PPM)
			SAMPLER	.110 @ 75 °F	41,760
Top Recovery	.109 @ 55 °F	42,763		@ °F	
Middle Recovery	.110 @ 55 °F	40,760		@ °F	

REMARKS:

FORMATION TEST DATA (SHEET 2) INSTRUCTIONS

ELEVATION—Elevation of reference point from which depths are measured.

TOP OF TESTED INTERVAL—Depth of packer determining top of interval. If testing open hole with packer set in casing, also show depth of casing shoe in remarks section.

BOTTOM OF TESTED INTERVAL—Total depth, plug back depth, or packer depth (if straddle) that determines bottom of interval.

NET PAY—Footage of tested interval that is formation thickness or perforated.

TOTAL DEPTH—Lesser of bottom hole depth or plug back depth at time of testing.

HOLE OR CASING SIZE—For open hole packer tests, show size of hole at packer. For casing packer tests, show size at perforations.

SURFACE CHOKE—Size of last choke used during final flow period. List **all** choke sizes and choke changes on production Test Data sheet as used.

BOTTOM CHOKE—Minimum I.D. in tools string.

OIL GRAVITY (A.P.I.)—Always report when oil recovered.

OIL TEMPERATURE—Temperature of oil at time of checking gravity. If gravity reported has been corrected to 60°F, enter 60°.

GAS GRAVITY—If reporting actual known gravity, enter in "actual" space. If estimating gravity, enter in "estimate" space.

TEMPERATURE—If obtained from recorder used on test, enter actual. Show depth at which temperature obtained.

GAS/OIL RATIO—Calculated from gas and oil volumes recovered in sampler. If separator was used, obtain GOR from separator data and enter in "other" space.

CHARTS READ BY—Name of person who field read the charts.

DATA APPROVED BY—Name of field supervisor that checked **all** reported data.

GAUGE NUMBER—Serial number of recorder.

GAUGE TYPE—Enter appropriate number from list below:

1 = non blanked off B.T. pressure recorder;

2 = blanked off B.T. pressure recorder;

3 = non blanked off R.P.G.-3 pressure recorder;

4 = blanked off R.P.G.-3 pressure recorder;

5 = B.T. (T.E.) temperature recorder;

6 = R.P.G.-3 (R.T.-7) temperature recorder.

GAUGE DEPTH—Depth at pressure inlet port for all pressure recorders. Depth at bottom of gauge case for temperature recorders.

CLOCK NUMBER—Serial number of clock.

CLOCK RANGE (HOUR)—Maximum time clock can run.

TOOL OPENED—Time and date tester valve opened or test otherwise started.

BYPASS OPENED—Time and date test ended.

MINUTES—Time allowed for each period.

PRESSURES—Report pressures at beginning and end of each period and hydrostatic pressures.

TICKET NO. 008164

DATES AND TIMES (00:00-24:00 HRS.)	CHOKE SIZE (IN.)	SURFACE PRESSURE (P.S.I.)	GAS RATE (MCF/D)	LIQUID RATE (BBL./D)	REMARKS
3-20-93					
2140					G.H w/DST
3-21-93					
0056	B/H	5 OZS			Open Tool
0059	B/H	17 OZS			
0102	B/H	2.5 PSI			
0105	B/H	3.5 PSI			
0110	B/H	5 PSI			
0111	B/H	5.5 PSI			Close Tool
0316	B/H				Open Tool 1" Blow
0317	B/H	1.5 PSI			
0326	B/H	6			
0336	B/H	11.5			
0346	B/H	18			
0357	1/4	31			Open on 1/4" Choke
0407	1/4	26			
0417	1/4	14			
0427	1/4	2.5			
0437	1/4	1.5			
0446	1/4	1			Close Tool
0749					By-PASS + JAR off Bottom

D. PRODUCTION TEST DATA SHEET

(1) Date and Time. Show the date and the time of each reported event. All times should be reported by using a 24 hour clock standard (military time). Be sure to report the date for the first reported time and each time the date changes.

(2) Choke Size (inches). Whenever the well is flowing (gas or liquid) report the inside diameter (in inches) of the surface choke through which the well is flowing. If an orifice well tester is being used, report orifice size as if a choke. Make note in remarks column that the choke is actually an orifice. Enter the choke size for each time that the surface pressure was reported.

(3) Surface Pressure (P.S.I.). List the drill pipe or tubing pressure (lbs./sq. in.) at various times throughout the test. The time between reported surface pressure readings will be dependent upon surface reactions. Surface pressure should be monitored frequently enough to give a reliable indication as to how the well was performing throughout the test.

If the surface pressures are not being reported in P.S.I., indicate units of measure in the remarks column. Be sure to indicate whenever units of measurement are changed.

Avoid use of ditto marks as they can be mistaken for inches symbol.

Do not enter casing pressure under "Surface Pressure" column. Whenever casing pressure is being monitored, show pressures in the remarks column.

(4) Gas Rate (M.C.F.). Report the gas production rate in M.C.F. (thousand cubic feet) per day only. Do not report rate in cubic feet or million cubic feet units of measure. Always report the gas rate immediately prior to each closed-in period. A reliable gas rate is critical whenever attempting to analyze the test data.

Show the calculated rate derived by using choke, or orifice size, and corresponding surface pressure, or the gas rate as determined downstream of a separator. Avoid making a gas rate calculation through a choke without having a minimum of 15 PSI pressure upstream of the choke. For accurate measurements for pressure less than 15 PSI, an orifice well tester is recommended.

(5) Liquid Rate (B.P.D.). Whenever the well is flowing liquid to the surface, and a means of measuring the production rate is available, report the production rate as measured. The rate is to be reported in bbls. day. A reliable production rate must be reported, if a well is flowing at the surface, whenever attempting to analyze the test data.

(6) Remarks. This column is to be used for reporting casing pressures and changes in units of measure for surface pressures. However, most importantly, it is to be used to report any and all events that are transpiring during the test. Any operation or event which may cause a response on the down hole pressure recorder should be reported. It is critical that the time for each remark entered be shown in the "Date and Time" column.

Report all downhole tool operations, choke changes, and surface closures and their respective times. Also, report the surface reactions at the time of each event.

TICKET NO. 008164

TOOL NAME	TOOL NO.	O.D. (IN.)	I.D. (IN.)	LENGTH (FT.)	DEPTH (FT.)
DRILL PIPE	1	4.5	3.826	9708	
DRILL COLLARS	3	6.25	2.50	59	
C.R. SUB	50	6.0	2.875	1	9767
DRILL COLLARS	3	6.25	2.50	120	
~~CROSSOVER~~	~~5~~	~~5.25~~	~~2.25~~	1	
STABILIZER	62	5.0	.75	9	9897
EXT. JOINT	14	5.0	.87	5	
EXT. JOINT	14	5.0	.87	5	
RUNNING CASE ORT		5.0	2.438	8	9914
~~AP CASE~~	~~80~~	~~5.0~~	~~3.06~~	4	9917
JARS	15	5.0	1.75	5	
V.R. SAFETY	16	5.0	1.0	3	
PACKER	70	7.0	1.53	5	9930
PACKER	70	7.0	1.53	5	9935
~~APST~~	~~19~~	~~5.25~~	~~1.50~~	4	
CROSSOVER	5	5.938	2.75	1	
DRILL COLLARS	3	6.25	2.50	82	
CROSSOVER	5	5.875	3.063	1	
PLUSH JT. ANCHOR	20	5.25	2.87	35	
~~SHOE JOINT~~	~~81~~	~~5.25~~	0.0	4	10062
				T.O.	10065

TOOL NUMBERS AS ASSIGNED BY TESTER

97 =
98 =
99 =

TOOL NAMES

EQUIPMENT DATA

D. PRODUCTION TEST DATA SHEET

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Show the calculated rate derived by using choke, or orifice size, and corresponding surface pressure, or the gas rate as determined downstream of a separator. Avoid making a gas rate calculation through a choke without having a minimum of 15 PSI pressure upstream of the choke. For accurate measurements for pressure less than 15 PSI, an orifice well tester is recommended.

(5) Liquid Rate (B.P.D.). Whenever the well is flowing liquid to the surface, and a means of measuring the production rate is available, report the production rate as measured. The rate is to be reported in bbls. day. A reliable production rate must be reported, if a well is flowing at the surface, whenever attempting to analyze the test data.

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