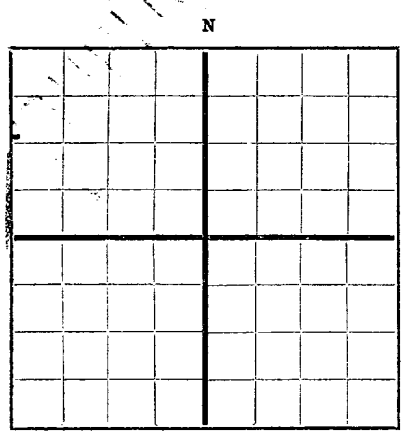
RECEIVED
AUG 29 1950
OIL CONSERVATION COMMISSION
HOBBS OFFICE

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Barnett & Rector, Box 670, Roswell, New Mexico
Company or Operator — Address

State "F" Well No. 2 in NW/SW of Sec. 20, T. 17S
Lease

R. 35 E., N. M. P. M., Vacuum Field, Lea County.

Well is 330 feet ~~North~~ South of the ~~North~~ South line and 660 feet ~~West~~ East of the ~~East~~ West line of Sec. 20.

If State land the oil and gas lease is No. E-6245 Assignment No.

If patented land the owner is, Address

If Government land the permittee is, Address

The Lessee is, Address

Drilling commenced May 31, 1950. Drilling was completed August 17, 1950

Name of drilling contractor Sam Sanders, Address Artesia, New Mexico

Elevation above sea level at top of casing feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 4465 to 4475 No. 4, from 4680 to 4695 (SD)

No. 2, from 4622 to 4632 (Pay) No. 5, from to

No. 3, from 4635 to 4650 (Dim.) No. 6, from to

IMPORTANT WATER SANDS

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

No. 1, from 72 to 110 feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
8 5/8"	28 & 32	8		1807	Halliburton				Shut off water
7"	20	8	Republic	4367	"				Oil string

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
13" & 11"	8 5/8"	1807	100 & 1807' 100 & 250'	Halliburton		
8¼"	7"	4367	100	"		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters — Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		15% LST Acid	1000 gal.	8-4-50	4590-4700	4700
		15% LST Acid	3000 gal.	8-5-50	4590-4700	4700
5½"	None	DuPont EL-431	110 Qts.	8-8-50	4480-4503	4700

Results of shooting or chemical treatment Slight increases from both acidizing & shooting.
Well swabbed 50 bbls. oil daily, natural.
After acidizing and shooting, well swabbed 60 bbls. oil daily.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 1807 feet, and from feet to feet

Cable tools were used from 1807 feet to 4700 feet, and from feet to feet

PRODUCTION

Put to producing August 17, 1950

The production of the first 24 hours was 60 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, Be.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Roy Johnson, Driller Pat Coles, Driller

James Campbell, Driller Bill Martin, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 22nd. day of August, 1950

Emerson R. Schuster
Notary Public

My Commission Expires February 28, 1954

My Commission expires

Roswell, New Mexico (Place) August 22, 1950 (Date)

Name John A. Barnett

Position Agent

Representing Barnett & Rector (Company or Operator)

Address Box 670, Roswell, New Mexico.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	28	28	Caliche
28	72	44	Gyp
72	110	38	Sand (Water)
110	200	90	Red Bed
200	375	175	Sand
175	420	45	Red Bed
420	440	20	Sand & Shells
440	470	30	Sandy Shells
470	520	50	Red Bed
520	560	40	Sandy Shale
560	600	40	Hard Sand
600	625	25	Red Bed
625	650	25	Sandy Shale
650	700	50	Red Bed
700	709	9	Hard Sand
709	730	21	Red Bed
730	745	15	Sand
745	800	55	Red Bed
800	835	35	Shale & Shells
835	870	35	Shale
870	900	30	Red Bed
900	910	10	Sand
910	940	30	Shale
940	960	20	Red Bed
960	975	15	Shale & Shells
975	1000	25	Red Bed
1000	1017	17	Sand
1017	1075	58	Red Bed
1075	1092	17	Hard Shale
1092	1130	38	Red Bed
1130	1165	35	Shale & Shells
1165	1240	75	Red Bed
1240	1255	15	Hard Shale
1255	1383	128	Red Bed
1383	1410	27	Hard Shale
1410	1440	30	Shale Shells
1440	1550	110	Red Zed
1550	1557	7	Sand
1557	1565	8	Hard Shale
1565	1592	27	Red Bed
1592	1615	23	Sandy Shale
1615	1630	15	Red Bed
1630	1642	12	Lime Shell
1642	1658	16	Lime
1658	1665	7	Hard Shale
1665	1694	29	Sandy Lime
1694	1725	31	Red Bed
1725	1740	15	Anhydrite
1740	1742	2	Salt
1742	1755	13	Hard Shale
1755	1807	52	Anhydrite
1807	1895	88	Anhydrite & Shale
1895	1920	25	Salt
1920	2005	85	Salt & Shale
2005	2650	645	Salt
2650	2665	15	Anhydrite
2665	2675	10	Sticky Shale
2675	2700	25	Salt
2700	2770	70	Salt & Shale
2770	2800	30	Salt
2800	2905	105	Anhydrite & Shale
2905	2955	50	Anhydrite & Salt
2955	3200	145	Anhydrite & Shale
3200	3250	50	Anhydrite
3250	3325	75	Anhydrite & Shale
3325	3370	45	Anhydrite
3370	3415	55	Anhydrite & Shale
3415	3595	180	Anhydrite
3595	3630	35	Anhydrite & Shale
3630	3655	25	Anhydrite
3655	3705	50	Anhydrite & Shale
3705	3750	45	Anhydrite
3750	3780	30	Anhydrite & Shale
3780	3900	120	Anhydrite
3900	3915	15	Red Bard
3915	4095	180	Anhydrite
4095	4195	100	Anhydrite & Shale
4195	4265	70	Anhydrite
4265	4300	35	Shale
4300	4360	60	Lime
	equal 4377		(Steel Line Correction)
4377	4700	323	Lime
			TD

Form C-103

DUPLICATE

RECEIVED
AUG 1950
OIL CONSERVATION COMMISSION
HOBBS OFFICE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING ~~OR~~ AND CHEMICAL TREATMENT OF WELL	X	REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

August 18, 1950 — Date
Roswell, New Mexico — Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Barnett & Rector (Company or Operator) State "F" (Lease) Well No. 2 in the NW¼SW¼ of Sec. 20, T. 17 S., R. 35 E., N. M. P. M., Vacuum Field, Lea County.

The dates of this work were as follows:

Notice of intention to do the work was (~~verbal~~) submitted on Form C-102 on August 2, 1950 and oral approval of the proposed plan was (~~verbal~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Show of oil (est. 5 bbls. daily) at 4465-4475' in sand (Grayburg)
Oil Pay (est. 40 bbls. daily) at 4622-4632' and 4635'-4650', Broken in dolomite (San Andres)
Slight increase oil at 4680-4695' in dolomite (San Andres)
Ran 2" tubing with packer at 4590' and acidized 4590-4700 with 1000 gallons LST acid on 8-4-50. After acid, no increase in production - swbd. 50 bbls. oil daily.
Re-treated with 3000 gallons LST acid on 8-5-50. After acid, swbd. 70 bbls. oil daily.
Shot on 8-8-50 with 110 qts. of EL-431 at 4480-4503. After shot, swbd. 100 bbls. oil daily & declined to 60 bbls. oil daily.

Witnessed by J. C. Vandeventer (Name) Barnett & Rector (Company) Petroleum Engineer (Title)

Subscribed and sworn before me this 18th day of August, 1950

Emerson B. Todhunter
Notary Public

My Commission Expires February 28, 1954

My commission expires

I hereby swear or affirm that the information given above is true and correct.

Name John A. Barnett
Position Agent
Representing Barnett & Rector (Company or Operator)
Address Box 670, Roswell, New Mexico.

Remarks:

APPROVED
AUG 29 1950

Engineer District 1

Name

Title

Form C-102

DATE FILE

AUG 29 1950

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT ~~OR~~ AND CHEMICALLY TREAT WELL	X
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Roswell, New Mexico (Place) August 2, 1950 (Date)

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the Barnett & Rector (Company or Operator) State "F" (Lease) Well No. 2 in NW¼SW¼ of Sec. 20, T. 17 S., R. 35 E., N. M. P. M., Vacuum Field. Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Total depth, 4700'.
Show of oil (est. 5 bbls. daily), at 4465-4475' in sand (Grayburg)
Oil Pay (est. 40 bbls. daily) at 4622-4632' and 4635-4650', Broken in dolomite (San Andres)
Slight increase oil at 4680-4695' in dolomite (San Andres)
Well will now swab thru casing at rate of 50 bbls. oil daily.
Propose to selectively acidize the two dolomite pays and to shoot the Grayburg sand pay with 110 qts. of EL-431.
Work will begin on August 4, 1950.

Approved AUG 29 1950, 19
except as follows:

OIL CONSERVATION COMMISSION,

By [illegible]

Title Engineer District 1

Barnett & Rector
Company or Operator

By John A. Barnett
John A. Barnett

Position Agent

Send Communications regarding well to

Name Barnett & Rector

Address Box 670, Roswell, New Mexico.

Form C-102

RECEIVED
AUG 29 1950
OIL CONSERVATION COMMISSION
HOBBS, N. M. OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	X	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Roswell, New Mexico — Place
July 17, 1950 — Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the Barnett & Rector (Company or Operator) State "F" (Lease) Well No. 2 in NW¼SW¼ of Sec. 20, T. 17 S., R. 35 E., N. M. P. M., Vacuum Field. Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On July 17, 1950, 7" OD New, J-55, 23# seamless casing was set at 4367' and cemented with 100 sacks of cement, by Halliburton.
The cement plug will be drilled on about July 21, 1950.

Approved AUG 29 1950, 19____
except as follows:

OIL CONSERVATION COMMISSION,

By [illegible]

Title Engineer District 1

Barnett & Rector
Company or Operator

By John A. Barnett
John A. Barnett

Position Agent

Send Communications regarding well to

Name Barnett & Rector

Address Box 670, Roswell, New Mexico

Form C-103

DUPLICATE

RECEIVED
AUG 29 1950
OIL CONSERVATION COMMISSION
HOBBS-OFFICE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

June 28, 1950 — Date

Roswell, New Mexico — Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the Barnett & Rector (Company or Operator) State "F" (Lease) Well No. 2 in the NW¼SW¼ of Sec. 20, T. 17 S., R. 35 E., N. M. P. M., Vacuum Field, Lea County.

The dates of this work were as follows:

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on June 16, 19 50 and ~~/~~oral approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On June 15, 1950, 8 5/8" casing was set at 1807' and cemented with 100 sacks around the casing shoe. Then a string of 1" pipe was run to a depth of 250' on the outside of the casing, through which 100 sacks of cement was circulated from that point back to surface. The rotary rig was moved off the location.

Cable tools were moved on the location, and the cement plug was drilled on June 20, 1950. No water appeared in the hole, and drilling is continuing.

Witnessed by John A. Barnett (Name) Barnett & Rector (Company) (Title)

Subscribed and sworn before me this 28th day of June, 19 50

Emerson B. Fodhunter
Notary Public

My Commission Expires
February 28, 1954

My commission expires

I hereby swear or affirm that the information given above is true and correct.

Name John A. Barnett

Position Agent

Representing Barnett & Rector
Company or Operator

Address Box 670, Roswell, New Mexico

Remarks:

APPROVED
AUG 29 1950

Engineer District Name

Title

Form C-102

DUPLICATE

RECEIVED

1950

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should ~~be followed~~, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	X	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Roswell, New Mexico June 16, 1950

Place Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the NW¼SW¼

Barnett & Rector State "F" Well No. 2 in

Company or Operator Lease

of Sec. 20, T. 17S., R. 35E., N. M. P. M., Vacuum Field.

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On June 15, 1950, 8 5/8" OD casing was set at 1807', and cemented with 100 sacks around the casing shoe. Then a string of 1" pipe was run to a depth of 250' on the outside of the casing, through which 100 sacks of cement was circulated from that point back to surface. The rotary rig was moved off the location. Cable tools are being moved onto the location, and we propose to drill the cement plug and test for water shut-off on about June 20, 1950.

Approved AUG 29 1950, 19
except as follows:

OIL CONSERVATION COMMISSION,

By

Title Engineer District 1

Barnett & Rector
Company or Operator

By John A. Barnett

Position Agent

Send Communications regarding well to

Name Barnett & Rector,

Address Box 670, Roswell, New Mexico.

Form C-103

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
AUG 29 1950
OIL CONSERVATION COMMISSION
HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

July 28, 1950 — Roswell, New Mexico
Date — Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the Barnett & Hector (Company or Operator) State "A" (Lease) Well No. 2 in the NW¼SW¼ of Sec. 20, T. 17 S., R. 35 E., N. M. P. M., Vacuum Field, Lea County.

The dates of this work were as follows:

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on July 17, 19 50 and ~~approval~~ oral of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On July 17, 1950, 7" OD New J-55 23# seamless casing was set at 4367' and cemented with 100 sacks of cement, by Halliburton.

The cement plug was drilled on July 21, 1950, and drilling has continued. No water appeared in the hole and the cement job appeared satisfactory.

Witnessed by J. C. Vandaventer (Name) — Barnett & Hector (Company) — Petroleum Engineer (Title)

Subscribed and sworn before me this 28th day of July, 19 50

Emerson B. Fodhunter
Notary Public

My Commission Expires
February 28, 1954

My commission expires

I hereby swear or affirm that the information given above is true and correct.

Name John A. Barnett
John A. Barnett
Position Agent
Representing Barnett & Hector
Company or Operator
Address Box 67, Roswell, New Mexico

Remarks:

APPROVED
Date AUG 29 1950

Engineer District 1
Name
Title