



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies.

AREA 640 ACRES
LOCATE WELL CORRECTLYMiller Brothers Oil Company
(Company or Operator)Western Development
(Lease)Well No. 3, in SF $\frac{1}{4}$ of SW $\frac{1}{4}$, of Sec. 14, T. 19-S, R. 28-E, NMPM.Undesignated Pool, Eddy County.Well is 1980 feet from West line and 660 feet from South lineof Section 14. If State Land the Oil and Gas Lease No. is 648Drilling Commenced June 26, 1958. Drilling was Completed August 10, 1958Name of Drilling Contractor Miller Brothers Oil CompanyAddress Box 638, Artesia, New MexicoElevation above sea level at Top of Tubing Head 3409'. The information given is to be kept confidential until
Not confidential, 19

OIL SANDS OR ZONES

No. 1, from 1182 to 1195 No. 4, from to No. 2, from 1325 to 1340 No. 5, from to No. 3, from to 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 220 to feet.No. 2, from 1225 to feet.No. 3, from 1325 to feet.No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8	28 lb.	Used	585'	Guide		None	Water shut-off
5-1/2	14 lb.	New	2460'	Guide		2408-13	Oil string
						2133-43	
						2246-56	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8-5/8	585'	75	Denton	None	None
7-7/8"	5-1/2	2460'	200	Denton	None	None

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized 2408-13' with 500 gals. acid; tested at 12 BOPD. Set plug at 2353', acidized 2133-43' and 2246-56', then sand fracked with 20,000 gals. crude oil and 23,000 lbs. of sand with 50 rubber balls.

Result of Production Stimulation. Test after frac oil was recovered showed 66 BOPD.

Depth Cleaned Out 2450

WORD OF DRILL-STEM AND SPECIAL TE

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 1325 feet to 2555 feet, and from feet to feet.
Cable tools were used from 0 feet to 1325 feet, and from feet to feet.

PRODUCTION

Put to Producing September 1, 1958

OIL WELL: The production during the first 24 hours was 66 barrels of liquid of which 100 % was
was oil; -0- % was emulsion; -0- % water; and -0- % was sediment. A.P.I.
Gravity 10

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy. 570	T. Devonian	T. Ojo Alamo
T. Salt 408	T. Silurian	T. Kirtland-Fruitland
B. Salt 570	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres 2101	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn.
T. Tubbs	T.	T.
T. Abo	T.	T.
T. Penn.	T.	T.
T. Miss.	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	40	40	Caliche and gyp	1216	1318	102	Lime
40	65	25	Gyp	1318	1325	7	Dolomite
65	80	15	Gyp and sand	1325	1335	10	Lime
80	200	120	Red beds and sand	1335	1365	30	Anhydrite, shale
200	207	7	Sand	1365	1395	30	Anhydrite
207	220	13	Gyp and red rock	1395	1420	25	Lime
			Water sand at 220	1420	1430	10	Anhydrite
220	320	100	Gyp, red rock	1430	1495	65	Anhydrite, red beds
320	350	30	Red rock, shells	1495	1520	25	Anhydrite, gyp
350	370	20	Red rock, shale	1520	1540	20	Pink lime
370	375	5	Red rock, salt	1540	1565	25	Gyp, lime
375	408	33	Red rock, gyp	1565	1572	7	Sandy lime
408	445	37	Red rock, salt	1572	1600	28	Lime
445	570	125	Salt	1600	1625	25	Lime, red shale
570	890	320	Anhydrite	1625	1634	9	Gray sand, shale
890	930	40	Anhydrite, red rock	1634	1648	14	Lime
930	970	40	Anhydrite, broken	1648	1666	18	Sand
970	1035	65	Anhydrite	1666	1672	6	Dolomite
1035	1065	30	Anhydrite, red rock	1672	1707	35	Dolomite & shale
1065	1135	70	Anhydrite	1707	1735	28	Sand
1135	1170	35	Anhydrite, sandy shale	1735	1743	8	Gray lime
1170	1195	25	Anhydrite, sand, oil show	1743	1748	5	Dolomite
1195	1205	10	Course lime	1748	1750	2	Sand
1205	1215	10	Fine lime	1750	1790	40	Dolomite, sand
1215	1216	1	Sand	1790	1800	10	Shale, dolomite

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

September 11, 1958 (Date)

Company or Operator Miller Brothers Oil Company Address Box 638 Artesia, New Mexico

Name C. V. Miller Position or Title Partner

1800	1850	50	Lime
1850	1859	9	Sand, shale
1859	1879	20	Lime, shale breaks
1879	1901	22	Lime
1901	1935	34	Gray sandy lime
1935	1945	10	Brown dolomite
1945	1995	50	Dolomite
1995	2020	25	Gray lime
2020	2035	15	Brown lime
2035	2075	40	Dolomite
2075	2100	25	Lime
2100	2115	15	Dolomite
2115	2135	20	Brown lime
2135	2147	12	Gray lime
2147	2157	10	Gray sand
2157	2160	3	Brown sandy lime
2160	2295	135	Brown and gray dolomite
2295	2360	65	Sandy shale and dolomite
2360	2495	135	Dolomite
2495	2555	60	White lime
2555			Total depth

OIL CONSERVATION COMMISSION	
ARTERIA DISTRICT OFFICE	
No. Correl. Sheet	
Operator	
Sandstone	
Formation	
Stage	
Unit	
Thickness	
File	

REQUEST FOR (OIL) - (GAS) ALLOWABLE SEP 11 1958 New Well Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Artesia, New Mexico September 2, 1958
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Miller Brothers Oil Company Western Development, Well No. 3, in 1/4 Sec. 11, T. 19-S, R. 28-E, NMPM., Undesignated Pool

N ✓ (Company or Operator)
Unit Letter

Eddy

County. Date Spudded 6/26/58 Date Drilling Completed 8/10/58
Elevation 3100' Total Depth 2555' PBD 2353'

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Top Oil/Gas Pay 2133' Name of Prod. Form. Grayburg

PRODUCING INTERVAL -

Perforations 2133-43' and 2246-56'

Open Hole None Depth Casing Shoe 2460' Depth Tubing 2092'

OIL WELL TEST -

Natural Prod. Test: 0 bbls. oil, bbls water in hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 47 bbls. oil, -C- bbls water in 17 hrs, 0 min. Size 3" tubing

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Tubing, Casing and Cementing Record

Size	Feet	Sax
8-5/8	585	75
5-1/2	2460	200
2	2092	

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 500 gals. BDA; 23,000 lbs. sand; 20,000 gals. crude oil

Casing 0 Tubing 0 Date first new oil run to tanks September 1, 1958

Oil Transporter Malco Refineries Inc. Box 660 Roswell, New Mexico

Gas Transporter None

Remarks:

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved SEP 11 1958, 19.

Miller Brothers Oil Company
(Company or Operator)

By: C. V. Miller
(Signature)

OIL CONSERVATION COMMISSION

By: M. L. Armstrong

Title OIL AND GAS INSPECTOR

Title Partner
Send Communications regarding well to:

Name Miller Brothers Oil Company

Address Box 638 Artesia, New Mexico

OIL CONSERVATION COMMISSION

AP

REG. OFFICE

No

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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

SEP 11 1958

Company or Operator Miller Brothers Oil Company Lease Western Development

Well No. 3 Unit Letter N S 14 T 19-S R 28-E Pool Undesignated

County Eddy Kind of Lease (State, Fed. or Patented) State 648

If well produces oil or condensate, give location of tanks: Unit S 14 T 19-S R 28-E

Authorized Transporter of Oil or Condensate Malco Refineries Inc. Pipe Line Division

Address P. O. Box 660 Roswell, New Mexico
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas None

Address _____
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Not present in commercial quantities

Reasons for Filing: (Please check proper box) New Well xxx

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other ()

Remarks: _____
(Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 22 nd day of August 19 58

By C. V. Miller

Approved SEP 11 1958 19 58

Title Partner

OIL CONSERVATION COMMISSION

Company Miller Brothers Oil Company

By M. L. Armstrong

Address P. O. Box 638

Title OIL AND GAS INSPECTOR

Artesia, New Mexico

OIL CONSERVATION COMMISSION

INVESTIGATIVE DIVISION

• **Threats to your**

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106) SEP 11 1958

COMPANY Miller Brothers Oil Company Box 638 Artesia, New Mexico
(Address)

LEASE Western Development WELL NO. 3 UNIT N S 11 T 19-S R 28-E
DATE WORK PERFORMED 8/23-29/58 POOL Undesignated

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

8/23/58 Acidized well with 2,000 gals. Dowell Acid; treating pressure, maximum 1200 psi, Minimum 1000 psi. Swab test showed 12 bbls. per day.

8/24/58 Set permanent Wellex bridge plug at 2353'. Perforated 2246-56' with 40 holes; 2133-43' with 40 holes.

8/25/58 Acidized well with 500 gals. BDA, split casing. Squeezed with 50 sacks of cement; squeeze job OK.

8/29/58 Fracked with 20,000 gals. of crude oil and 23,000 lbs. of sand with 50 rubber balls. Maximum treating pressure 2800 psi, minimum pressure 2450 psi.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by _____

(Company)

OIL CONSERVATION COMMISSION

Name M. L. Armstrong
Title OIL AND GAS INSPECTOR
Date SEP 11 1958

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name C. V. Miller
Position Partner
Company Miller Brothers Oil Company

OIL CONSERVATION COMMISSION
ARTERIA DISTRICT OFFICE
No. Copies Received _____
TITLE _____
COPY TO _____
DATE RECEIVED _____
STATE OF TEXAS _____
U.S.A. _____

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

SEP 11 1958

COMPANY

Miller Brothers Oil Company (Address) Box 638 Artesia, New Mexico

LEASE Western Development WELL NO. 3 UNIT N S 14 T 19-S R 28-E
DATE WORK PERFORMED 8/10-17/58 POOL Undesignated

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☐ Other xx

Detailed account of work done, nature and quantity of materials used and results obtained.

CORRECTION OF C-103 PREVIOUSLY SUBMITTED FOR PERIOD 8/10-17/58

8/10/58 Drilled to total depth of 2555'.

8/11/58 Ran Welox Caliper log and Radioactivity log.

8/12/58 Ran 2460' of new 14 lb. 5 1/2" casing using 200 sacks of cement. Allowed cement to set for 72 hours.

8/16/58 Perforated 5 1/2" casing 2408-2413'.

8/17/58 Flushed hole with 500 gals. of acid. Now testing well, making 2 gals. per hour.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

(Company)

OIL CONSERVATION COMMISSION

Name M. L. Armstrong
Title OIL AND GAS INSPECTOR
Date SEP 11 1958

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name C. V. Miller
Position C. V. Miller
Company Partner

Miller Brothers Oil Company

OIL CONSTRUCTION COMMISSION
ARTERIAL DEPARTMENT OFFICE
No. 101