



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

30-015-00715

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.

Malco Refineries, Inc. Roswell, New Mexico
Company or Operator Address
Hill Well No. 3 in NW NW of Sec. 1, T. 15-S
Lease
R. 27-E, N. M. P. M., Red Lake Field, Zddy County.
Well is 330 feet south of the North line and 4950 feet west of the East line of Sec. 1
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is, Address
If Government land the permittee is Hill, Address
The Lessee is Malco Refineries, Inc., Address Roswell, New Mexico
Drilling commenced 2-28 1948 Drilling was completed 3-27 1948
Name of drilling contractor Braver Drilling Co., Address Artesia, New Mexico
Elevation above sea level at top of casing 3562 feet.
The information given is to be kept confidential until Not Confidential 19

OIL SANDS OR ZONES

No. 1, from 1777' to 1790' No. 4, from to
No. 2, from to 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 585' to 592' feet.
No. 2, from 593' to feet.
No. 3, from 927' 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		PURPOSE
							FROM	TO	
7"	19 1/2	8	Nat'l.	1510					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
8"	7"	1510	50	Halliburton		

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
5"	50'	Solidified	200	3-27-48	1770-1820	1820'

Results of shooting or chemical treatment Increased production from 35 BOPD to 75 BOPD.

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 feet to feet, and from feet to feet
Cable tools were used from 0 feet to 1835 feet, and from feet to feet

PRODUCTION

Put to producing 1 April 1948
The production of the first 24 hours was 75 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 38
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

W. G. Graham, Driller Geo. Harrison, Driller
O. W. Watts, 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 5th day of April, 1948.
Notary Public
My Commission expires March 8, 1952

Roswell, New Mexico
Name Donald B. Anderson
Position Production Manager
Representing Malco Refineries, Inc.
Address Roswell, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
1240	1263	23	5% red sand 95% anhydrite
1263	1287	24	Anhydrite
1287	1302	15	Grey oil stained sand
1302	1310	8	20% grey oil stained sand 20% red sand 60% anhydrite
1310	1337	27	10% red sand 90% anhydrite
1337	1355	18	20% grey sand 80% anhydrite
1355	1369	14	80% red sand 20% anhydrite
1369	1382	13	Anhydrite
1382	1390	8	20% red sand 80% anhydrite
1390	1405	15	20% red shale 80% anhydrite
1405	1420	15	10% red shale 10% anhydrite 80% pink to grey dolo.
1420	1436	16	10% red sand 90% anhydrite
1436	1448	12	20% red sand 80% anhydrite
1448	1455	7	80% red sand 20% anhydrite
1455	1470	15	50% red sand 50% anhydrite
1470	1480	10	100% anhydrite
1480	1495	15	10% red shale 90% anhydrite
1495	1502	7	5% red shale 95% buff f.x. dolo
1502	1510	8	buff f.x. dolo.
1510	1518	8	buff f.x. dolo.
1518	1531	13	Very tightly cemented grey sand
1531	1538	7	95% anhydrite 5% red shale
1538	1545	7	5% anhydrite 95% buff f.x. dolo.
1545	1552	7	buff f.x. dolo.
1552	1560	8	60% anhydrite 40% red sand
1560	1570	10	Pink very sandy dolo.
1570	1595	25	Buff f.x. dolo.
1595	1613	18	Pink f.x. dolo.
1613	1623	10	Buff f.x. dolo.
1623	1635	12	80% buff f.x. dolo 20% grey sand
1635	1639	4	Buff f.x. dolo.
1639	1648	9	Buff sandy dolo.
1648	1657	9	Buff f.x. dolo.
1659	1668	11	90% buff f.x. dolo. 10% pink sand
1668	1675	7	80% buff f.x. dolo. 20% grey sand
1675	1682	7	90% buff f.x. dolo. 10% grey sand
1682	1693	11	80% buff f.x. dolo. 20% brown sand
1693	1702	9	Red f.x. dolo.
1702	1713	11	Red very sandy dolo.
1713	1731	18	Buff f.x. dolo.
1731	1741	10	80% pink f.x. dolo. 20% anhydrite
1741	1747	6	80% buff f.x. dolo. 20% grey sandy dolo.
1747	1755	8	90% buff f.x. dolo. 10% pink f.x. dolo.
1755	1768	13	Buff f.x. dolo.
1768	1777	9	80% red sandy dolo. 20% buff cemented sand
1777	1787	10	Red sand - cemented
1787	1795	8	40% red sand 60% pink f.x. dolo.
1795	1805	10	80% grey sand with f.g.s. 20% buff dolo.
1805	1810	5	Light pink f.x. dolo.
1810	1820	10	60% grey cemented sand 40% white f.x. dolo.
1820	1823	3	80% white f.x. dolo 10% red sand cemented
1823	1828	5	Buff to rose colored f.x. dolo.
1828	1835	7	Buff f.x. dolo.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
DEC 02 '87

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

O.C.D.
ARTESIA OFFICE

I. Operator
S & J Operating Company
Address
P. O. Box 2249, Wichita Falls, Texas 76307
Reason(s) for filing (Check proper box)
☐ New Well
☐ Recompletion
☒ Change in ~~Operator~~ OPERATOR
Change in Transporter of:
☐ Oil
☐ Gas
☐ Dry Gas
☐ Condensate
Other (Please explain)
WIW

If change of ownership give name and address of previous owner
Previous Operator - Joe L. Tarver

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Red Lake Grayburg	Well No. 37	Pool Name, including Formation Red Lake (Grayburg)	Kind of Lease State, Federal or Fee Federal	Lease No. LC 061412
Location Unit Letter <u>D</u> <u>330</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>West</u> Line of Section <u>1</u> Township <u>18S</u> Range <u>27E</u> , NMPM, <u>Eddy</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Navajo Refining Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 159, Artesia, New Mexico 88210	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks. Unit <u>C</u> Sec. <u>35</u> Twp. <u>17S</u> Rge. <u>27E</u>	Is gas actually connected? No	When Post ID-3 12-11-87 chy up

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Sandy Robertson
(Signature)
Petroleum Engineer
(Title)
November 12, 1987
(Date)

OIL CONSERVATION DIVISION
APPROVED DEC 8 1987
BY Original Signed By
Mike Williams
TITLE Oil & Gas Inspector

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X						X	
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
2/28/48	4/1/48		1835'			1835'			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
3662' GR	Grayburg		1777'			1726'			
Perforations						Depth Casing Shoe			
1764' - 1835' (OH)						1764			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
N/A		7"		1510		N/A			
		4 1/2"		1764'		50			
		2"		1726'		None			

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size