



TOWNSEND STATE COM # 1

Unit J, 3806' FNL and 2193' FEL
Sec. 3, T16S, R35E
Lea County, New Mexico

Spud Date:	2/23/85
TD Date:	3/28/85
Total Depth:	12,275'
Initial Potential:	315 BOPD 1000 MCFD 0 BWPD

Current Production Rate: *	143 BOPD 530 MCFD 0 BWPD 3680.56 GOR
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*based on 6 day production average

BEFORE EXAMINER STOCHNER	
Oil Conservation Division	
<u>MESA</u>	Exhibit No. <u>3</u>
Case No.	<u>8675</u>

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-10629

TYPE OF WELL			
OIL WELL ☒	GAS WELL ☐	DRY ☐	OTHER ☐
TYPE OF COMPLETION			
NEW WELL ☒	WORK OVER ☐	DEEPEN ☐	PLUG BACK ☐
		DIFF. RESER. ☐	OTHER ☐

7. Lease Agreement Name
8. Farm or Lease Name
Townsend State Com.
9. Well No.
1

Name of Operator
Mesa Petroleum Co.

Address of Operator
P. O. Box 2009, Amarillo, Texas 79189

10. Field and Pool, or Wildcat
Undesignated Townsend

Location of Well

NE 1/4 SECTION J LOCATED 3806 FEET FROM THE N LINE AND 2193 FEET FROM

12. County
Lea

NE 1/4 SECTION E LINE OF SEC. 3 TWP. 16S RGE. 35E NMPM

13. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
2-23-85	3-28-85	4-22-85	4006.1' GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
12,275'	12,231'	NA		X	

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
12,208'-12,215' Mississippian Chester Limestone	No

Type Electric and Other Logs Run

GR-CNL-LTD; GR-SP-DIL-MSFL; GR-CCL-CBL-VDL

27. Was Well Cored
No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	412'	17 1/2"	425 sx "C"	None
9 5/8"	40/36#	4012'	12 1/2"	2198 sx "H" & "C"	None
5 1/2"	20/17#	12,274'	8 3/4"	630 sx "H"	None

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	12,088'	12,088'

29. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
2 JSPF - 12,208'-12,215'				DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	

PRODUCTION							
33. First Production		34. Production Method (Flowing, gas lift, pumping - Size and type pump)				35. Well Status (Prod. or Shut-in)	
4-7-85		Flowing				S1	
36. Date of Test	37. Hours Tested	38. Choke Size	39. Prod'n. For Test Period	40. Oil - Bbl.	41. Gas - MCF	42. Water - Bbl.	43. Gas - Oil Ratio
4-11-85	24	1 1/2"		315	1000	0	3175
44. Flow Tubing Press.	45. Casing Pressure	46. Calculated 24-Hour Rate	47. Oil - Bbl.	48. Gas - MCF	49. Water - Bbl.	50. Oil Gravity - API (Corr.)	
370	-		315	1000	0	48.1°	

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

vented during test

52. Test Witnessed By

Jim Wootten

53. List of Attachments

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 Carolyn L. Cummings TITLE Regulatory Clerk DATE 4/24/85

This form is to be filed with the appropriate District Office at 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 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.

South-eastern New Mexico

T. Anhy	1800'
T. Salt	1900'
D. Salt	2690'
T. Yates	2997'
T. 7 Rivers	
T. Queen	3847'
T. Grayburg	4272'
T. San Andres	4527'
T. Glorieta	6264'
T. Paddock	
T. Blinberry	
T. Tubb	7342'
T. Drinkard	
T. Abo	8368'
T. Wolfcamp	9586'
T. Penn.	
T. Cisco (Bough C)	

T	Canyon	_____
T	Strawn	11,390'
T	Atoka	11,529'
T	Miss	12,122'
T	Devonian	_____
T	Silurian	_____
T	Montoya	_____
T	Simpson	_____
T	McKee	_____
T	Ellenburger	_____
T	Gr. Wash	_____
T	Granite	_____
T	Delaware Sand	_____
T	Bone Springs	_____
T	_____	_____
T	_____	_____
T	_____	_____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Qtzle _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn. "A" _____	T. _____

Townsend Field

No. 1, from Wolfcamp 10,429' to 10,465' No. 4, from _____ to _____
No. 2, from Strawn 11,397' to 11,424' No. 5, from _____ to _____
No. 3, from ^{Miss}Chester 12,208' to 12,215' 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 _____ to _____ feet _____

No. 2, from _____ to _____ feet _____

No. 3, from _____ to _____ feet _____

No. 4, from _____ to _____ feet _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

WELL NAME AND NUMBER TOWNSEND STATE COM # 1

LOCATION 3,806' FNL, 2,193' FEL, Sec-3, T-16-S, R-35-E.

OPERATOR MESA PETROLEUM Co. Box 2009 Amarillo, TX 79189

DRILLING CONTRACTOR TMBR DRILLING, INC. P.O. Drawer 10970 Midland, TX 79703-5302

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>0.25 200</u>	<u>1.00 5920</u>	<u>1.25 10866</u>
<u>0.25 413</u>	<u>1.00 6465</u>	<u>0.50 11322</u>
<u>0.50 911</u>	<u>1.00 6814</u>	<u>1.75 11991</u>
<u>0.00 1485</u>	<u>1.00 7154</u>	<u>2.00 12275</u>
<u>0.50 1875</u>	<u>1.25 7286</u>	<u> </u>
<u>0.75 2300</u>	<u>0.50 7550</u>	<u> </u>
<u>0.50 2375</u>	<u>1.00 7868</u>	<u> </u>
<u>1.25 2875</u>	<u>1.00 8186</u>	<u> </u>
<u>1.50 3375</u>	<u>1.75 8379</u>	<u> </u>
<u>0.50 3613</u>	<u>1.25 8677</u>	<u> </u>
<u>0.75 4008</u>	<u>1.50 8973</u>	<u> </u>
<u>1.00 4540</u>	<u>0.75 9328</u>	<u> </u>
<u>1.00 5002</u>	<u>0.75 9849</u>	<u> </u>
<u>1.75 5502</u>	<u>0.75 10176</u>	<u> </u>
<u>1.75 5830</u>	<u>0.50 10560</u>	<u> </u>

Drilling Contractor TMBR DRILLING, INC.

By Grady Trotter
GRADY TROTTER, DRLG. ENGR.

Subscribed and sworn to before me this 29 day of March, 19 85

Kathleen R. Callaway
Notary Public

Commision expires: 11/01/86

Midland County Texas

DISTRIBUTION
SANTA FE
FILE
P.O.G.S.
LAND OFFICE
TRANSPORTER
OIL
GAS
OPERATOR
REGISTRATION OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-1
Effective 1-1-65

RECEIVED

MAY 01 1985

Operator
Mesa Petroleum Co.
Address
P. O. Box 2009, Amarillo, Texas 79189
Reason(s) for filing (Check proper box)
New Well ☒
Recompletion ☐
Change in Ownership ☐
Change in Transporter of:
Oil ☐
Casinghead Gas ☐
Dry Gas ☐
Condensate ☐

REGULATORY
Other (Please explain) P211

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Townsend State Com Well No. 1 Pool Name, including Formation Wildcat, Mississippian, Miss Chester Lime Kind of Lease State, Federal or Fee State Lease No. B-10629
Location
Unit Letter J 3806 Feet From The north Line and 2193 Feet From The east
Line of Section 3 Township 16S Range 35E, NMPM, Lea County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Koch Oil Company Address (Give address to which approved copy of this form is to be sent) 2205 Wilco Bldg, 415 W. Wall, Midland, TX 79702
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ Warren Petroleum Co. Address (Give address to which approved copy of this form is to be sent) P. O. Box 1150, Midland, Texas 79702
If well produces oil or liquids, give location of tanks. Unit J Sec. 3 Twp. 16S Rge. 35E Is gas actually connected? Yes When 4-26-85

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

IV. COMPLETION DATA

Designate Type of Completion - (X) Oil Well ☒ Gas Well ☐ New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Same Res. ☐ Diff. Res. ☐
Date Spudded 2-23-85 Date Compl. Ready to Prod. 4-22-85 Total Depth 12,275' P.B.T.D. 12,231'
Elevations (DF, RKB, RT, GK, etc.) 4006.1' GR Name of Producing Formation Miss Chester Lime Top Oil/Gas Pay 12,208' Tubing Depth 12,088'
Perforations 12,208'-12,215' Depth Casing Shoe
TUBING, CASING, AND CEMENTING RECORD
HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT
17 1/2" 13 3/8" 412' 425
12 1/4" 9 5/8" 4012' 2198
6 3/4" 5 1/2" 12,274' 630

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed to, allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 4-7-85 Date of Test 4-11-85 Producing Method (Flow, pump, gas lift, etc.) flowing
Length of Test 24 hours Tubing Pressure 370 Casing Pressure -- Choke Size 1/2"
Actual Prod. During Test Oil-Bbls. 315 Water-Bbls. -- Gas-MCF 1000

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

Regulatory Clerk
4-25-85

OIL CONSERVATION COMMISSION

APPROVED APR 20 1985
BY ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR
TITLE

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled well, this form must be accompanied by a calculation of the well's production or the well's production must be filed with the form.
All provisions of this form must be filled out completely, including on new and existing wells.
Fill out only sections 1, II, III, and V for existing wells and sections II, III, IV, and V for new wells.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

Mesa Petroleum Co.		Pool		(Wildcat) Mississippian		County		Lea									
P.O. Box 2009, Amarillo, Texas 79189				TYPE OF TEST - (X)		Scheduled ☐		Completion ☒									
LEASE NAME		WELL NO.	LOCATION		DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO					
			U	S	T	R				WATER BBLs.	GRAV. OIL BBLs.	GAS M.C.F.	CU.FT/BBL				
Townsend State Com		1	J	3	165	35E	7-13-85	F	36/64	110	315	24	tr	48.1 ⁰	159	556	3497

XC: WF, Reg., CR, RZN, Midland, Acctg, MRH, MCP, Reservoir

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Division.

Gas volume must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base shall be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with rules 301 and appropriate pool rules.

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

Carlynn J. Cummings
Regulatory Clerk

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P.O. BOX 2008
SANTA FE, NEW MEXICO 87501

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

Operator		Pool		County											
Mesa Petroleum Co.		Wildcat Mississippian		Lea											
P.O. Box 2009, Amarillo, TX 79189				TYPE OF TEST - (X)	Scheduled ☐	Completion ☒	Special ☐								
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - C RATIO CU.FT/E
		U	S	T	R						WATER BBL'S.	GRAV. OIL BBL'S.	OIL BBL'S.	GAS M.C.F.	
Townsend State Com	1	U	3	16	35	5-26-85	F 45/64	95	--	24	1	47.9	185	604	3265

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Division.

Gas volume must be reported in MCF measured at a pressure base of 14.73 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 301 and applicable pool rules.

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


(Signature)
Regulatory Clerk