

CONFIDENTIAL

Form C-105
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease

State ☒ Fee ☐

5. State Oil & Gas Lease No.

V-2199

7. Unit Agreement Name

8. Farm or Lease Name

Gem, 8705 JV-P

9. Well No.

1

10. Field and Pool, or Wildcat

Gem (Morrow) East

12. County

Lea

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator

BTA OIL PRODUCERS

3. Address of Operator

104 South Pecos Midland, Texas 79701

4. Location of Well

UNIT LETTER -B- LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM

THE East LINE OF SEC. 2 TWP. 20-S RGE. 33-E NMPM

15. Date Spudded

6-7-87

16. Date T.D. Reached

8-8-87

17. Date Compl. (Ready to Prod.)

8-25-87

18. Elevations (DF, RKB, RT, GR, etc.)

3,587' GR 3,606' KB

19. Elev. Casinghead

23. Total Depth

13,700'

21. Plug Back T.D.

13,612'

22. If Multiple Compl., How Many

23. Intervals Drilled By

13,700

Rotary Tools

Cable Tools

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

13,465' - 13,515' (Morrow)

25. Was Directional Survey Made

NO

26. Type Electric and Other Logs Run

CNL/GR/LDT/DLL

27. Was Well Cored

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94,106.5&133	1,350'	26"	2200 sx - Circ.	
13-3/8"	61,68 & 72	3,085'	17-1/2"	2150 sx - Circ.	
8-5/8"	24 & 32	5,436'	11"	2040 sx - TOC @ 4,300'	
5-1/2"	20 & 23	13,700'	7-7/8"	3500 sx - TOC @ 5,800'	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	13,019'	12,982'

31. Perforation Record (Interval, size and number)

13,465' - 13,515' 2JSPF (31 holes)

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping – Size and type pump)				Well Status (Prod. or Shut-in)	
8-22-87		Flowing				Shut-In	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil – Bbl.	Gas – MCF	Water – Bbl.	Gas – Oil Ratio
8-25-87	24	16/64"	→	120	2813	72	23,442
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil – Bbl.	Gas – MCF	Water – Bbl.	Oil Gravity – API (Corr.)	
2015	Pkr.	→	120	2813	72	50.8 ⁰	

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

Shut-in pending P/L connection

Test Witnessed By

Thomas J. Williams

35. List of Attachments

C-104, Inclination, Log

36. 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

Regulatory Supervisor

DATE 8/28/87

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 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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____ 1379
 T. Salt _____
 B. Salt _____
 T. Yates _____ 3261
 T. 7 Rivers _____ 3354
 T. Queen _____
 T. Grayburg _____
 T. San Andres _____
 T. Glorieta _____
 T. Paddock _____
 T. Blinberry _____
 T. Tubb _____
 T. Drinkard _____
 T. Abo _____
 T. Wolfcamp _____
 T. Penn. _____
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Strawn _____ 12,134
 T. Atoka _____ 12,356
 T. Miss _____
 T. Devonian _____
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. Wash _____
 T. Granite _____
 T. Delaware Sand _____ 5420
 T. Bone Springs _____ 7874
 T. Morrow Cl. _____ 12,984

Northwestern New Mexico

T. Ojo Alamo _____
 T. Kirtland-Fruitland _____
 T. Pictured Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn. "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Qtzite _____
 T. Granite _____

No. 1, from 13,465' to 13,515' OIL OR GAS SANDS OR ZONES
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____
 No. 5, 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 _____ 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
-0-	1302	1302	Surface Rock & red beds				
1302	3085	1783	Anhydrite & salt				
3085	7435	4350	Anhydrite & dolomite				
7435	11226	3791	Sand, Shale & lime				
11226	11609	383	Chert, lime & shale				
11609	13700	2091	Shale & lime				

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