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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105
 Revised 10-68

50. Indicate Type of Lease	
State ☒	Fee ☐
51. State Oil & Gas Lease No.	
L-4800	
52. Unit Agreement Name	
53. Form or Lease Name	
Morton Solid State Uni-	
54. Well No.	
2	
55. Field and Pool, or Wildcat	
Tres-Papalotes Penn	
56. County	
Lea	

10. TYPE OF WELL	
OIL WELL ☐	GAS WELL ☐ DRY ☒ OTHER _____
11. TYPE OF COMPLETION	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____	

2. Name of Operator
Dorchester Exploration, Inc.

3. Address of Operator
1100 Midland National Bank Tower, Midland, Texas 79701

4. Location of Well

UNIT LETTER **L** LOCATED **1980** FEET FROM THE **South** LINE AND **660** FEET FROM **West**

THE **West** LINE OF SEC. **4** TWP. **15S** RGE. **34E** NADPM **Lea**

15. Date Spudded 8/20/80	16. Date T.D. Reached 9/20/80	17. Date Compl. (Ready to Prod.) Dry	18. Elevations (DT, RKB, RT, GK, etc.) 4116GR	19. Elev. Casinghead
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20. Total Depth 10,600'	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools X Cable Tools
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24. Producing Interval(s), of this completion - Top, Bottom, Name Dry	25. Was Directional Survey Made Yes
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26. Type Electric and Other Logs Run DL, CN, ML, DIFL	27. Was Well Cored Yes
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28. 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#	404'	17-1/2"	400sx CL"C" circ to surface	None
8-5/8"	24# & 32#	4535'	11"	1300sx CL"C" circ to surface	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)	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)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
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35. List of Attachments

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 *Rick O'Bannon* TITLE Proration Administrator DATE October 2, 1980

This form is to be filed with the appropriate District Office of the Commission 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 radioactivity log run on the well and a summary of all special tests conducted, including drill stem tests. All log thickness reported shall be measured by this. In the case of horizontally drilled wells, true vertical depth shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in triplicate except in state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1787</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2926</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3747</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4428</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta <u>6002</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7352</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>8110</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>9673</u>	T. _____	T. Chinle _____	T. _____
T. Penn. <u>10,395</u>	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>None</u> to _____	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 <u>None</u> 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	1787	1787	Red Bed				
1787	2926	1139	Anhydrite				
2926	3747	821	Yates				
3747	4428	681	Queen				
4428	6002	1574	San Andres				
6002	7352	1350	Glorieta				
7352	8110	758	Tubb				
8110	9673	1563	Abo				
9673	10,395	722	Wolfcamp				
10,395	10,600	205	Pennsylvanian				
RECEIVED							
OCT 8 1980							
OIL DEPARTMENT DIV.							

DORCHESTER EXPLORATION, INC.

DRILL STEM TEST REPORT

1. Date: September 23, 1980
2. Well Name & Number: Morton Solid State Unit #2
3. Drill Stem Test Number: 1
4. Depth Tested: From: 10,340 ft. To: 10,600 ft.
5. Formation Tested: Wolfcamp
6. Preflow Time: 30 mins.
7. Tool Open with Poor, ~~xxxx~~ increased to Good, ~~very good flow~~ in 3 mins.
8. Gas to Surface - mins., Maximum - MCFGPD
9. Initial Shut-in Time: 60 mins.
10. Final Flow Time: 60 mins.
11. Tool Open with (Type of Blow): good
12. Estimated Maximum Gas Vol: - MCFPD; Decreased to
- MCF on - choke
13. Final Shut-In: 120 mins.
14. Drill String Recovery: 475' O&GCM
15. Sample Chamber Recovery: 1) .56 gas with 171 PSI Sample C
2) 240 cc O&GCM 1.6 @ 70
800 cc aeriated O&GCM 800 chl
Top Bottom
16. Initial Hydrostatic Pressure: 4834 4836
17. Initial Flow Pressure: 209-259 226-265
18. Initial Shut-in Pressure: 2565 2574
19. Final Flow Pressure: 246-322 252-329
20. Final Shut-In Pressure: 3142 3139
21. Final Hydrostatic Pressure: 4733 4717
22. Bottom Hole Temperature: 136 °F
23. Time Test Started: 11:15 ~~am~~ pm Finished: 3:45 ~~pm~~ am
24. Service Company: Johnston
25. DEI Supervisor: Forrest Blount

Note: Final Shut in time must be doubled the final flow time.

Top of recovery

R_w 2.0 @ 70°F
Cl 10,484 ppm

Middle of recovery

R_w 2.0 @ 70°F
Cl 10,484 ppm

Bottom of recovery

R_w 1.7 @ 70°F
Cl 7000 ppm

TO: New Mexico Oil Conservation Commission

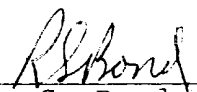
FROM: Dorchester Exploration Inc.

SUBJECT: Deviation Record

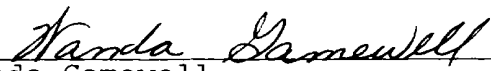
LOCATION: Morton Solid State #2, 660'/W, 1980'/S, Section 4,
T-15-S, R-34-E. Lea County, New Mexico

586'	1 deg.	9353'	3 deg.
1108	3/4	9479	2 3/4
1641	3/4	9574	2 1/2
2169	3/4	9725	2
2699	3/4	10,036	1 1/4
3008	1 1/2	10,290	1
3476	1 1/2	10,570	2
4006	3/4	10,600	2
4376	3/4		
4499	3/4		
4999	1/2		
5560	3/4		
6060	3/4		
6591	1/2		
7120	3/4		
7654	3/4		
8150	3/4		
8573	2		
8666	2		
8789	2		
8977	2		
9163	2		

BEFORE ME, the undersigned authority, on this day personally appeared R. S. Bond, known to me to be the officer whose name is subscribed to the foregoing instrument, and that he is acting at the direction and on behalf of the operator of the well identified in this instrument and that such well was not intentionally deviated from the vertical.


R. S. Bond, V.P.

SUBSCRIBED AND SWORN to before me the 24th day of September, 1980.


Wanda Gamewell

Notary Public in and for Midland Co.
Texas.

My Commission Expires

Wanda Gamewell
My Commission Expires

September 20, 1980