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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: L-4800

1a. TYPE OF WELL

b. TYPE OF COMPLETION

OIL WELL [ ] GAS WELL [ ] DRY [X] OTHER

NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: Morton Solid State Uni

2. Name of Operator: Dorchester Exploration, Inc.

9. Well No.: 2

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

10. Field and Pool, or Wildcat: Tres-Papalotes Penn

4. Location of Well

UNIT LETTER L LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE OF SEC. 4 TWP. 15S RGE. 34E NMPM

12. County: Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
8/20/80	9/20/80	Dry	4116GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
10,600'			→	X	

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

Dry

25. Was Directional Survey Made: Yes

26. Type Electric and Other Logs Run: DL, CN. ML, DIFL

27. Was Well Cored: Yes

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

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

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

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 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				Northwestern New Mexico			
T. Anhy	1787	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	2926	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen	3747	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres	4428	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta	6002	T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb	7352	T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo	8110	T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	9673	T.		T. Chinle		T.	
T. Penn.	10,395	T.		T. Permian		T.	
T. Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from None 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 None 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				

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OCT 8 1980

OIL CONSERVATION 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, ~~XXXXX~~ Good, ~~XXXXXXXXXXXXXXX~~ increased to 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
    2) 240 cc O&GCM
    800 cc aeriated O&GCM

Sample C
1.6 @ 70
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 ~~XXX~~ pm Finished: 3:45 ~~XXX~~ 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	Middle of recovery	Bottom of recovery
R_w 2.0 @ 70°F Cl 10,484 ppm	R_w 2.0 @ 70°F Cl 10,484 ppm	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 subscirbed 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 [illegible]
My Commission Expires
September 30, 1980