



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO: 7980

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation TB 67 KB Formation Elgin Eff. Pay Ft.

District AUGUSTA Date 1-2-80 Customer Order No.

COMPANY NAME DuPont Oil Company

ADDRESS 660 Edgewater Road Wichita, KS 67230

LEASE AND WELL NO. MOORE #2 COUNTY Cowley STATE KANS Sec 35 Twp 31S Rge 6E

Mail Invoice To Moore #2 SAME No. Copies Requested 1

Mail Charts To SAME Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 1333 ft. to 1351 ft. Total Depth 1351 ft.

Packer Depth 1328 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 1333 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1344 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 1347 ft. Recorder Number 10980 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor EDCO Rig #6 Drill Collar Length 226 I. D. 2 1/4 in. XH

Mud Type Chem Viscosity 42 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss cc. Drill Pipe Length 1100 I. D. 3.8 in.

Chlorides P.P.M. Test Tool Length 30 ft. Tool Size 5 in.

Jars: Make - Serial Number - Anchor Length 18 ft. Size 4 1/2 in. 00

Did Well Flow? NO Reversed Out YES Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong to weak thru out

Recovered 737 ft. of Salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 9:00 P.M. Time Pick Up Tool 10:00 P.M. Time Off Location 3:00 A.M.

Time Set Packer(s) 11:15 P.M. Time Started Off Bottom 12:45 A.M. Maximum Temperature 80

Initial Hydrostatic Pressure (A) 611 P.S.I.

Initial Flow Period Minutes 45 (B) 126 P.S.I. to (C) 327 P.S.I.

Initial Closed In Period Minutes 15 (D) 337 P.S.I.

Final Flow Period Minutes 15 (E) 337 P.S.I. to (F) 337 P.S.I.

Final Closed In Period Minutes 15 (G) 348 P.S.I.

Final Hydrostatic Pressure (H) 590 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Allen Edgington

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test (\$550.00), Miscrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub. (\$30.00), Mileage (\$38.50), Fluid Sampler, Extra Charts, Insurance, and TOTAL (\$608.50).

WESTERN TESTING CO., INC.

Pressure Data

Date 1-2

Test Ticket No. 7980

Recorder No. 3354

Capacity 4200

Location 1344 Ft.

Clock No.                      Elevation 1367 KB

Well Temperature 80 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>610</u> P.S.I.		<u>11:15 P<sub>M</sub></u>	
B First Initial Flow Pressure	<u>118</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>338</u> P.S.I.	Initial Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>348</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>348</u> P.S.I.	Final Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>356</u> P.S.I.			
G Final Closed-in Pressure	<u>359</u> P.S.I.			
H Final Hydrostatic Mud	<u>599</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>5</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>5</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	<u>118</u>	0	<u>338</u>	0	<u>348</u>	0	<u>356</u>
P 2	5	<u>173</u>	3	<u>344</u>	5	<u>348</u>	3	<u>356</u>
P 3	10	<u>224</u>	6	<u>345</u>	10	<u>352</u>	6	<u>357</u>
P 4	15	<u>259</u>	9	<u>346</u>	15	<u>356</u>	9	<u>358</u>
P 5	20	<u>283</u>	12	<u>347</u>	20		12	<u>358</u>
P 6	25	<u>302</u>	15	<u>348</u>	25		15	<u>359</u>
P 7	30	<u>316</u>	18		30		18	
P 8	35	<u>324</u>	21		35		21	
P 9	40	<u>331</u>	24		40		24	
P10	45	<u>338</u>	27		45		27	
P11	50		30		50		30	
P12	55		33		55		33	
P13	60		36		60		36	
P14			39		65		39	
P15			42		70		42	
P16			45		75		45	
P17			48		80		48	
P18			51		85		51	
P19			54		90		54	
P20			57				57	
			60				60	

11760

0862 = 077 1 = 050

TKT # 7980  
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Company Dupont Oil Company Lease & Well No. Moore #2  
 Elevation 1367 Kelly Bushing Formation Elgin Effective Pay          Ft. Ticket No. 7980  
 Date 1/2/81 Sec. 35 Twp. 31S Range 6E County Cowley State Kansas  
 Test Approved by Merv Mace Western Representative Allen Edgington

Formation Test No. I Interval Tested from 1333 ft. to 1351 ft. Total Depth 1351 ft.  
 Packer Depth 1328 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
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Depth of Selective Zone Set -  
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 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Edco Drilling Rig #6 Drill Collar Length 226 I. D. 2 1/2 in.  
 Mud Type chemical Viscosity 42 Weight Pipe Length - I. D. - in.  
 Weight 9.6 Water Loss          cc. Drill Pipe Length 1100 I. D. 3.8 in.  
 Chlorides          P.P.M. Test Tool Length 20 ft. Tool Size 5 in.  
 Jars: Make - Serial Number - Anchor Length 18 ft. Size 4 1/2 OD in.  
 Did Well Flow? NO Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong to weak throughout test.

Recovered 737 ft. of salt water  
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of         

Remarks:         

Time Set Packer(s) 11:15 ~~AM~~ P.M. Time Started Off Bottom 12:45 ~~AM~~ P.M. Maximum Temperature 80°  
 Initial Hydrostatic Pressure 610 P.S.I. (A)  
 Initial Flow Period 45 Minutes (B) 118 P.S.I. to (C) 338 P.S.I.  
 Initial Closed In Period 15 Minutes (D) 348 P.S.I.  
 Final Flow Period 15 Minutes (E) 348 P.S.I. to (F) 356 P.S.I.  
 Final Closed In Period 15 Minutes (G) 359 P.S.I.  
 Final Hydrostatic Pressure 599 P.S.I. (H)

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 1/2/81

Test Ticket No. 7980

Recorder No. 3354 Capacity 4200

Location 1344 Ft.

Clock No. - Elevation 1367 Kelly Bushing

Well Temperature 80 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>610</u> P.S.I.	Open Tool	<u>11:15P</u> M	
B First Initial Flow Pressure	<u>118</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>338</u> P.S.I.	Initial Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>348</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>348</u> P.S.I.	Final Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>356</u> P.S.I.			
G Final Closed-in Pressure	<u>359</u> P.S.I.			
H Final Hydrostatic Mud	<u>599</u> P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
Breakdown: 9 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Initial Shut-In**  
Breakdown: 5 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

**Second Flow Pressure**  
Breakdown: 3 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Final Shut-In**  
Breakdown: 5 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>118</u>	<u>0</u>	<u>338</u>	<u>0</u>	<u>348</u>	<u>0</u>	<u>356</u>
P 2 <u>5</u>	<u>173</u>	<u>3</u>	<u>344</u>	<u>5</u>	<u>348</u>	<u>3</u>	<u>356</u>
P 3 <u>10</u>	<u>224</u>	<u>6</u>	<u>345</u>	<u>10</u>	<u>352</u>	<u>6</u>	<u>357</u>
P 4 <u>15</u>	<u>259</u>	<u>9</u>	<u>346</u>	<u>15</u>	<u>356</u>	<u>9</u>	<u>358</u>
P 5 <u>20</u>	<u>283</u>	<u>12</u>	<u>347</u>			<u>12</u>	<u>358</u>
P 6 <u>25</u>	<u>302</u>	<u>15</u>	<u>348</u>			<u>15</u>	<u>359</u>
P 7 <u>30</u>	<u>316</u>						
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