

Company The Pitco Company Lease & Well No. #1-33 Moore

Elevation -- Formation Mississippi Effective Pay --- Ft. Ticket No. 18345

Date 12/18/82 Sec. 33 Twp. 29S Range 24W County Ford State Kansas

Test Approved by Don Bol-----? Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 5305 ft. to 5495 ft. Total Depth 5530 ft.

Packer Depth 5300 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 5305 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 5480 ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) 5483 ft. Recorder Number 6074 Cap. 5100

Below Straddle Recorder Depth 5527 ft. Recorder Number 13402 Cap. 4025

Drilling Contractor Gabbert - Jones Drlg. Rig #8 Drill Collar Length 270 I. D. 2.2 in.

Mud Type --- Viscosity 70 Weight Pipe Length --- I. D. -- in.

Weight 9.4 Water Loss 16.0 cc. Drill Pipe Length 5008 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 405 Anchor Length DC 170 + 20 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out No 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 FH in.

Blow: Weak building to fair on initial flow period. Strong decreasing to fair blow on final flow period.

Recovered 240 ft. of gas cut mud

Recovered 300 ft. of gas cut watery mud - few oil specks

Recovered ft. of Middle: 55% mud; 40% water; 5% gas

Recovered ft. of Bottom : 50% mud; 45% water; 1% oil; 4% gas

Recovered ft. of

Remarks: Read bottom recorder

Time Set Packer(s) 7:27 A.M. Time Started Off Bottom 12:07 A.M. Maximum Temperature 120°

Initial Hydrostatic Pressure 2691 P.S.I. (A)

Initial Flow Period 10 Minutes (B) 176 P.S.I. to (C) 222 P.S.I.

Initial Closed In Period 60 Minutes (D) 1638 P.S.I.

Final Flow Period 80 Minutes (E) 342 * P.S.I. to (F) 426 * P.S.I.

Final Closed In Period 126 Minutes (G) 968 P.S.I.

Final Hydrostatic Pressure 2647 P.S.I. (H)



Fluid Sample Report

Date 12/18/82 Ticket No. 18345
 Company The Pitco Company
 Well Name & No. Moore #1-33 DST No. 1
 County Ford State Kansas
 Sampler No. 1 Test Interval 5305' - 5495'

Pressure in Sampler 355 PSIG BHT 120° of

Total Volume of Sampler 3150 cc.
 Total Volume of Sample: 2700 cc.
 Oil: 150 cc.
 Water: 450 cc.
 Mud: 2100 cc.
 Gas: -- cu. ft.
 Other: --

Resistivity

Water: .41 @ 68° of Chloride Content 32,000 ppm.
 Mud Pit Sample .28 @ 68° of Chloride Content 23,000 ppm.
 Gas/Oil Ratio ===== Gravity ===== °API @ ===== of

Where was sample drained Shop in Pratt, Kansas

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 12/18/82 Test Ticket No. 18345
 Recorder No. 6074 Capacity 5100 Location 5483 Ft.
 Clock No. -- Elevation --- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2691	P.S.I.	7:27A	M
B First Initial Flow Pressure	176	P.S.I.	10	10
C First Final Flow Pressure	222	P.S.I.	60	60
D Initial Closed-in Pressure	1638	P.S.I.	90	80
E Second Initial Flow Pressure	342 *	P.S.I.	120	126
F Second Final Flow Pressure	426 *	P.S.I.		
G Final Closed-in Pressure	968	P.S.I.		
H Final Hydrostatic Mud	2647	P.S.I.		

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>42</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.*
P 1 <u>0</u>	176	0	222	0	342 *	0	426 *
P 2 <u>5</u>	199	3	307	5	342 *	3	430
P 3 <u>10</u>	222	6	380	10	342 *	6	439
P 4 <u>15</u>		9	458	15	343 *	9	447
P 5 <u>20</u>		12	536	20	350 *	12	460
P 6 <u>25</u>		15	627	25	368 *	15	475
P 7 <u>30</u>		18	719	30	375 *	18	488
P 8 <u>35</u>		21	824	35	401 *	21	500
P 9 <u>40</u>		24	936	40	393 *	24	512
P10 <u>45</u>		27	1036	45	396 *	27	524
P11 <u>50</u>		30	1135	50	404 *	30	537
P12 <u>55</u>		33	1230	55	427 *	33	551
P13 <u>60</u>		36	1318	60	450 *	36	563
P14 <u>65</u>		39	1394	65	427 *	39	575
P15 <u>70</u>		42	1459	70	424 *	42	588
P16 <u>75</u>		45	1508	75	427 *	45	603
P17 <u>80</u>		48	1547	80	426 *	48	615
P18 <u>85</u>		51	1583			51	631
P19 <u>90</u>		54	1610			54	644
P20 <u>95</u>		57	1629			57	656
		60	1638			60	668

WESTERN TESTING CO., INC.

Pressure Data

Date 12/18/82

Test Ticket No. 18345

Recorder No. 6074 Capacity 5100 Location 5483 Ft.

Clock No. -- Elevation --- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2691</u> P.S.I.	Open Tool	7:27A	M
B First Initial Flow Pressure	<u>176</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>222</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1638</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>80</u> Mins.
E Second Initial Flow Pressure	<u>342 *</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>126</u> Mins.
F Second Final Flow Pressure	<u>426 *</u> P.S.I.			
G Final Closed-in Pressure	<u>968</u> P.S.I.			
H Final Hydrostatic Mud	<u>2647</u> P.S.I.			

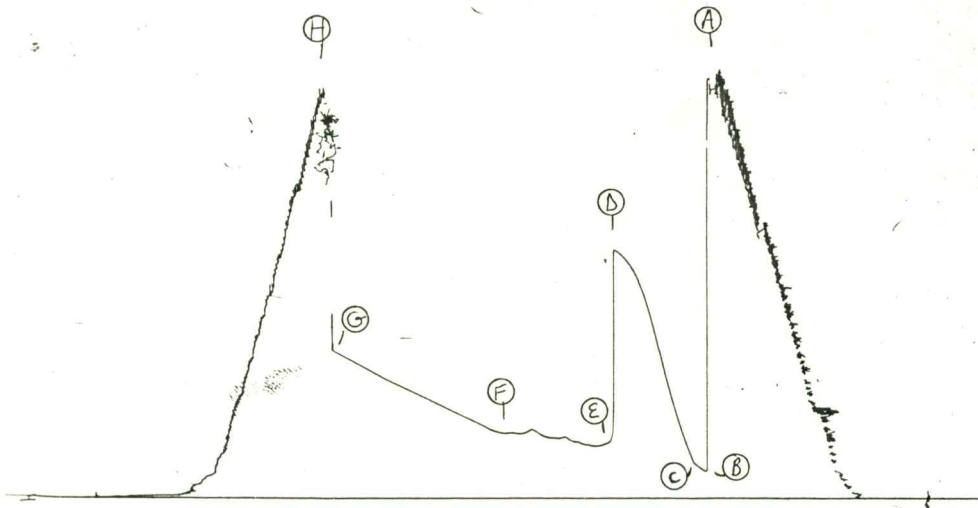
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PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
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of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	680
P 2						66	693
P 3						69	706
P 4						72	719
P 5						75	731
P 6						78	743
P 7						81	756
P 8						84	770
P 9						87	784
P10						90	798
P11						93	813
P12						96	828
P13						99	841
P14						102	858
P15						105	874
P16						108	887
P17						111	902
P18						114	916
P19						117	931
P20						120	946
						123	959
						126	968

6074
DST#1

TKT # 18345



13402
D-T#1

TKT # 18345

Below Straddle

