

Company Altman Petroleum Company Lease & Well No. Robinson #2
 Elevation ---- Formation Mississippi Effective Pay - Ft. Ticket No. 10455
 Date 4/13/81 Sec. 5 Twp. 31S Range 18W County Comanche State Kansas
 Test Approved by Jim S. Bird Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 5046 ft. to 5074 ft. Total Depth 5074 ft.
 Packer Depth 4041 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4046 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5049 ft. Recorder Number 11018 Cap. 4425
 Bottom Recorder Depth (Outside) 5074 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Xplor Drilling Rig #1 Drill Collar Length 556 I. D. 2 1/4 in.
 Mud Type - Viscosity - Weight Pipe Length -- I. D. -- in.
 Weight -- Water Loss - cc. Drill Pipe Length - I. D. -- in.
 Chlorides - P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 in.
 Jars: Make WTC Serial Number 3660 Anchor Length 28 ft. Size 4 1/2 in.
 Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak on initial flow period. Final flow period fair to good.

Recovered 360 ft. of gassy mud
 Recovered 120 ft. of gassy oil cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

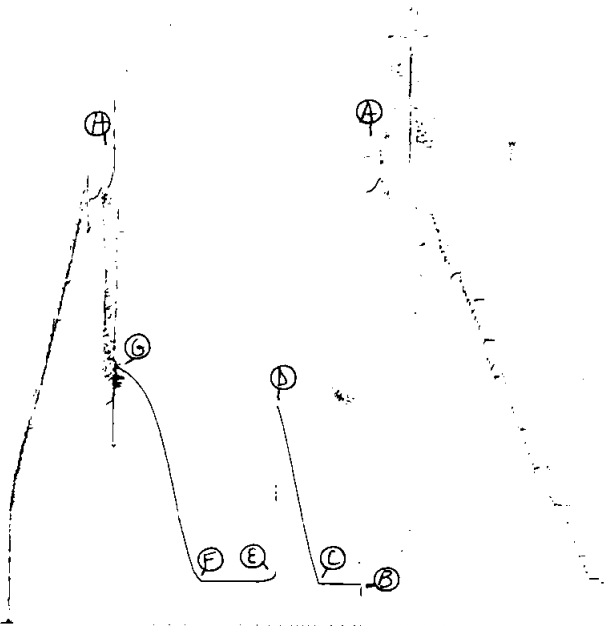
Remarks:

Time Set Packer(s) 10:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:30 ~~P.M.~~ A.M. Maximum Temperature ?
 Initial Hydrostatic Pressure (A) 2478 P.S.I.
 Initial Flow Period (B) 30 Minutes (C) 247 P.S.I. to (D) 247 P.S.I.
 Initial Closed In Period (E) 33 Minutes (F) 1269 P.S.I.
 Final Flow Period (G) 55 Minutes (H) 282 P.S.I. to (I) 260 P.S.I.
 Final Closed In Period (J) 63 Minutes (K) 1478 P.S.I.
 Final Hydrostatic Pressure (L) 2433 P.S.I.

IKT # 10455

10018-10455

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WESTERN TESTING CO., INC.
Pressure Data

Date 4/13/81 Test Ticket No. 10455
 Recorder No. 11018 Capacity 4425 Location 5049 Ft.
 Clock No. - Elevation - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2478	P.S.I.	10:30P	M
B First Initial Flow Pressure	247	P.S.I.	30	Mins. 30
C First Final Flow Pressure	247	P.S.I.	30	Mins. 33
D Initial Closed-in Pressure	1269	P.S.I.	60	Mins. 55
E Second Initial Flow Pressure	282	P.S.I.	60	Mins. 63
F Second Final Flow Pressure	260	P.S.I.		
G Final Closed-in Pressure	1478	P.S.I.		
H Final Hydrostatic Mud	2433	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>21</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>	<u>0</u>	<u>247</u>	<u>0</u>	<u>282</u>	<u>0</u>	<u>260</u>
P 2	<u>5</u>	<u>3</u>	<u>247</u>	<u>5</u>	<u>269</u>	<u>3</u>	<u>287</u>
P 3	<u>10</u>	<u>6</u>	<u>247</u>	<u>10</u>	<u>260</u>	<u>6</u>	<u>329</u>
P 4	<u>15</u>	<u>9</u>	<u>247</u>	<u>15</u>	<u>260</u>	<u>9</u>	<u>404</u>
P 5	<u>20</u>	<u>12</u>	<u>247</u>	<u>20</u>	<u>260</u>	<u>12</u>	<u>489</u>
P 6	<u>25</u>	<u>15</u>	<u>247</u>	<u>25</u>	<u>260</u>	<u>15</u>	<u>571</u>
P 7	<u>30</u>	<u>18</u>	<u>247</u>	<u>30</u>	<u>260</u>	<u>18</u>	<u>673</u>
P 8		<u>21</u>		<u>35</u>	<u>260</u>	<u>21</u>	<u>792</u>
P 9		<u>24</u>		<u>40</u>	<u>260</u>	<u>24</u>	<u>892</u>
P10		<u>27</u>		<u>45</u>	<u>260</u>	<u>27</u>	<u>987</u>
P11		<u>30</u>		<u>50</u>	<u>260</u>	<u>30</u>	<u>1079</u>
P12		<u>33</u>		<u>55</u>	<u>260</u>	<u>33</u>	<u>1161</u>
P13						<u>36</u>	<u>1233</u>
P14						<u>39</u>	<u>1291</u>
P15						<u>42</u>	<u>1333</u>
P16						<u>45</u>	<u>1368</u>
P17						<u>48</u>	<u>1399</u>
P18						<u>51</u>	<u>1423</u>
P19						<u>54</u>	<u>1445</u>
P20						<u>57</u>	<u>1460</u>
						<u>60</u>	<u>1474</u>
						<u>63</u>	<u>1478</u>

Company Altman Petroleum Company Lease & Well No. Robinson #2
 Elevation 2203 Kelly Pushing Mississippi Effective Pay =- Ft. Ticket No. 11328
 Date 4/3/81 Sec 5 Twp 31S Range 18W County Comanche State Kansas
 Test Approved by Frank A. Bennett Western Representative Dan Delaney

Formation Test No. _____ Interval Tested from 5064 ft. to 5107 ft. Total Depth 5107 ft.
 Packer Depth 5064 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 5059 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5068 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 5071 ft. Recorder Number 6077 Cap. 4700
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Xplor Drilling Rig #1 Drill Collar Length 432 I. D. 2.2 in.
 Mud Type drispac Viscosity 49 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 12.6 cc. Drill Pipe Length 4610 I. D. 3.8 in.
 Chlorides 13,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 43 ft. Size 5 1/8 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak blow; died in twenty-seven minutes on initial flow period. No blow on final flow period.

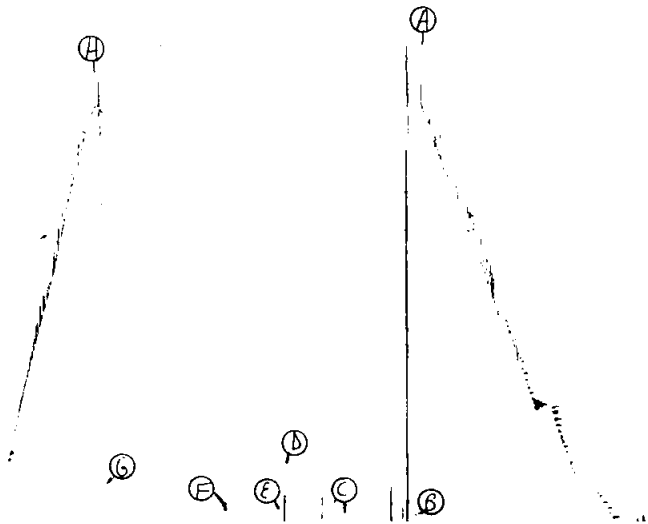
Recovered 65 ft. of mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 2:50 ~~AM~~ P.M. Time Started Off Bottom 6:35 ~~AM~~ P.M. Maximum Temperature ?
 Initial Hydrostatic Pressure (A) 2383 P.S.I.
 Initial Flow Period Minutes 45 (B) 16 * P.S.I. to (C) 53 P.S.I.
 Initial Closed In Period Minutes 45 (D) 300 + P.S.I.
 Final Flow Period Minutes 45 (E) 56 P.S.I. to (F) 55 P.S.I.
 Final Closed In Period Minutes 90 (G) 232 P.S.I.
 Final Hydrostatic Pressure (H) 2371 P.S.I.

TKT # 11328
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WESTERN TESTING CO., INC.

Pressure Data

Date 4/3/81 Test Ticket No. 11328
 Recorder No. 6234 Capacity 4500 Location 5068 Ft.
 Clock No. - Elevation 2203 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2383	P.S.I.	2:50P	M
B First Initial Flow Pressure	16 *	P.S.I.	45	Mins. 45 Mins.
C First Final Flow Pressure	53	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	300 +	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	56	P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	55	P.S.I.	* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION.	
G Final Closed-in Pressure	232	P.S.I.	+ PRESSURES QUESTIONABLE DUE TO PLUGGED ANCHOR.	
H Final Hydrostatic Mud	2371	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown:		Initial Shut-In Breakdown:		Second Flow Pressure Breakdown:		Final Shut-In Breakdown:	
9 Inc.		15 Inc.		9 Inc.		30 Inc.	
of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.		of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	53	0	56	0	55
P 2	5	3	53	5	54	3	52
P 3	10	6	52	10	54	6	50
P 4	15	9	51	15	54	9	52
P 5	20	12	50	20	54	12	53
P 6	25	15	49	25	54	15	55
P 7	30	18	49	30	54	18	57
P 8	35	21	263+	35	54	21	59
P 9	40	24	269+	40	55	24	64
P10	45	27	275+	45	55	27	70
P11		30	280+			30	77
P12		33	284+			33	84
P13		36	288+			36	92
P14		39	292+			39	99
P15		42	296+			42	107
P16		45	300+			45	116
P17						48	126
P18						51	138
P19						54	147
P20						57	156
						60	167

WESTERN TESTING CO., INC.

Pressure Data

Date 4/3/81

Test Ticket No. 11328

Recorder No. 6234

Capacity 4500

Location 5068 Ft.

Clock No. - Elevation

2203 Kelly Bushing

Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2383</u> P.S.I.	Open Tool	<u>2:50P</u> M	
B First Initial Flow Pressure	<u>16 *</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>53</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>300 +</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>55</u> P.S.I.	* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION.		
G Final Closed-in Pressure	<u>232</u> P.S.I.	+ PRESSURES QUESTIONABLE DUE TO PLUGGED ANCHOR.		
H Final Hydrostatic Mud	<u>2371</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown:		Initial Shut-In Breakdown:		Second Flow Pressure Breakdown:		Final Shut-In Breakdown:	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1								
P 2								
P 3								
P 4								
P 5								
P 6								
P 7								
P 8								
P 9								
P10								
P11								
P12								
P13								
P14								
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