Company Indian Wells Oil Company — Lease & Well No. Smith #3

Elevation 1558 Kelly Bushing — Formation Mississippi — Effective Pay ---- Ft. — Ticket No. 7581

Date 9/27/80 — Sec. 2 — Twp. 31S — Range 7W — County Harper — State Kansas

Test Approved by Don Owens — Western Representative Stuart Storm

Formation Test No. 1 — Interval Tested from 4327 ft. to 4348 ft. — Total Depth 4348 ft.

Packer Depth 4322 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4327 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4332 ft. — Recorder Number 11018 — Cap. 4425

Bottom Recorder Depth (Outside) 4335 ft. — Recorder Number 11019 — Cap. 4500

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

Drilling Contractor Dunbar Drilling — Drill Collar Length 186 — I. D. 2¼ in.

Mud Type starch — Viscosity 49 — Weight Pipe Length - — I. D. - in.

Weight 9.7 — Water Loss 10.4 cc. — Drill Pipe Length 4115 — I. D. 4.0 in.

Chlorides 39,000 P.P.M. — Test Tool Length 26 ft. — Tool Size 3½ in.

Jars: Make WTC — Serial Number 3660 — Anchor Length 21 ft. — Size 4½ in.

Did Well Flow? - — Reversed Out - — Surface Choke Size 1/2 in. — Bottom Choke Size 1/2 in.

Main Hole Size 7 5/8 in. — Tool Joint Size 4½ in.

Blow: Strong blow throughout initial flow period. Gas to surface in forty minutes on final flow period. Gas too small to measure.

Recovered 220 ft. of heavy oil and gas cut mud

Recovered 300 ft. of gas cut muddy water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:50 ~~A.M.~~ P.M. — Time Started Off Bottom 3:30 ~~A.M.~~ P.M. — Maximum Temperature 113°

Initial Hydrostatic Pressure			(A) 2242	P.S.I.		
Initial Flow Period	Minutes 10	(B) 122	P.S.I. to	(C) 116	P.S.I.	
Initial Closed In Period	Minutes 21	(D) 1205	P.S.I.			
Final Flow Period	Minutes 50	(E) 171	P.S.I. to	(F) 244	P.S.I.	
Final Closed In Period	Minutes 21	(G) 1159	P.S.I.			
Final Hydrostatic Pressure			(H) 2196	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 9-27-80 Test Ticket No. 7581

Recorder No. 11018 Capacity 4425 Location 4332 Ft.

Clock No. --------- Elevation 1558 Kelly Bushing Well Temperature 113 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2242	P.S.I.	Open Tool	1:50 P M	
B	First Initial Flow Pressure	122	P.S.I.	First Flow Pressure	15 Mins.	10 Mins.
C	First Final Flow Pressure	116	P.S.I.	Initial Closed-in Pressure	20 Mins.	21 Mins.
D	Initial Closed-in Pressure	1205	P.S.I.	Second Flow Pressure	45 Mins.	50 Mins.
E	Second Initial Flow Pressure	171	P.S.I.	Final Closed-in Pressure	20 Mins.	21 Mins.
F	Second Final Flow Pressure	244	P.S.I.			
G	Final Closed-in Pressure	1159	P.S.I.			
H	Final Hydrostatic Mud	2196	P.S.I.			

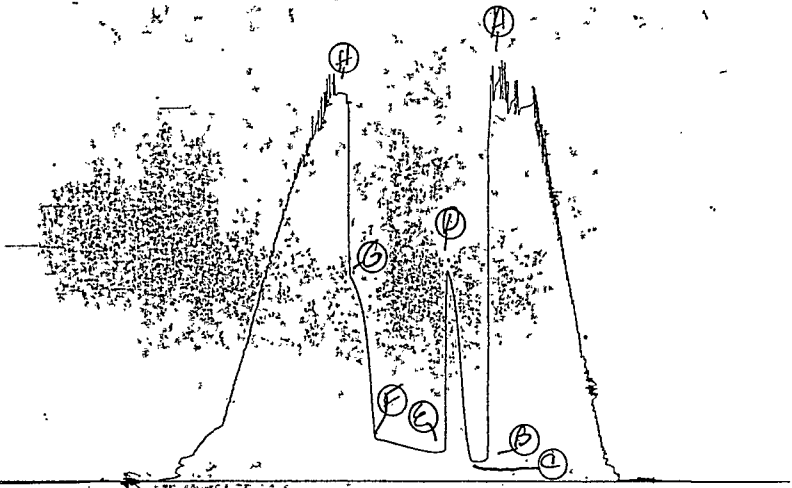
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 2 Inc.		Breakdown: 7 Inc.		Breakdown: 10 Inc.		Breakdown: 7 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	122	0	116	0	171	0	244
P 2 5	116	3	184	5	169	3	402
P 3 10	116	6	371	10	169	6	626
P 4		9	602	15	175	9	805
P 5		12	777	20	186	12	834
P 6		15	960	25	193	15	1026
P 7		18	1077	30	204	18	1086
P 8		21	1205	35	213	21	1159
P 9				40	224		
P10				45	238		
P11				50	244		
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

11018-7581

DH # 7581

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 7581

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1558 K.B. Kelly Bushing 1553 GR Formation Mississippi Eff. Pay Ft.

District Pratt Date 9-27-80 Customer Order No.

COMPANY NAME INDIAN WELLS Oil Co

ADDRESS 620 S Douglas Lyons

LEASE AND WELL NO. SMITH #3 COUNTY HARPER STATE KS Sec. 2 Twp. 31 S Rge. 7W

Mail Invoice To Same No. Copies Requested Reg
Co. Name Address

Mail Charts To Same No. Copies Requested Reg
Address

Formation Test No. 1 Interval Tested from 4327 ft. to 4348 ft. Total Depth 4348 ft.

Packer Depth 4322 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 4327 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4332 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4335 ft. Recorder Number 11019 Cap. 4500

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

Drilling Contractor Duncan Drlg. Drill Collar Length 186 ft. I. D. 2 1/4 in.

Mud Type STARCH Viscosity 49 Weight Pipe Length — I. D. — in.

Weight 9.7 Water Loss 10.4 cc. Drill Pipe Length 4115 ft. I. D. 4.0 in.

Chlorides 39,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 in.

Jars: Make WTC Serial Number 3610 Anchor Length 21 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 in.

Blow: STRONG BLOW THRU-OUT initial flow period. GTS IN 40 MIN. ON 2nd FLOW. Gas to Surface. Gas too small to measure

Recovered 220 ft. of Heavy Oil & Gas Cut Mud

Recovered 200 ft. of Gas Cut Muddy Water

Recovered — ft. of —

Recovered 500 ft. of Total Fluid

Recovered — ft. of —

Remarks: —

RECEIVED
SEP 29 1980

Time On Location 3:30 A.M. P.M. Time Pick Up Tool 11:30 A.M. P.M. Time Off Location 7:00 A.M. P.M.

Time Set Packer(s) 1:50 A.M. P.M. Time Started Off Bottom 3:30 A.M. P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure			(A)	2249	P.S.I.	
Initial Flow Period	Minutes	15	(B)	111	P.S.I. to (C)	111 P.S.I.
Initial Closed In Period	Minutes	30	(D)	1229	P.S.I.	
Final Flow Period	Minutes	45	(E)	155	P.S.I. to (F)	233 P.S.I.
Final Closed In Period	Minutes	30	(G)	1151	P.S.I.	
Final Hydrostatic Pressure			(H)	2200	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 1½% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Don Owens
Signature of Customer or his authorized representative

Western Representative Stuart Stoun

FIELD INVOICE

Open Hole Test	$ 400 00
Misrun	$ —
Straddle Test	$ —
Jars	$ 300 00
Selective Zone	$ —
Safety Joint	$ 50 00
Standby ~~Hrs~~	$ —
Evaluation	$ —
Extra Packer	$ —
Circ. Sub.	$ —
Mileage 55	$ 41 25
Fluid Sampler	$ —
Extra Charts	$ —
Insurance	$ —
TOTAL	$ 991 25

991.25

WESTERN TESTING CO., INC.
Pressure Data

Date 9-27-80 Test Ticket No. 7581

Recorder No. 11018 Capacity 4425 Location 4332 Ft.

Clock No. ——— Elevation 1558 KB Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2242 P.S.I.	Open Tool	1:50 PM	
B First Initial Flow Pressure	122 P.S.I.	First Flow Pressure	15 Mins.	10 Mins.
C First Final Flow Pressure	116 P.S.I.	Initial Closed-in Pressure	20 Mins.	21 Mins.
D Initial Closed-in Pressure	1205 P.S.I.	Second Flow Pressure	45 Mins.	50 Mins.
E Second Initial Flow Pressure	171 P.S.I.	Final Closed-in Pressure	20 Mins.	21 Mins.
F Second Final Flow Pressure	244 P.S.I.			
G Final Closed-in Pressure	1159 P.S.I.			
H Final Hydrostatic Mud	2196 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 2 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.		Press.
P 1	0	122
P 2	5	1186
P 3	10	116
P 4	15	
P 5	20	
P 6	25	
P 7	30	
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 7 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	116
3	184
6	371
9	602
12	777
15	960
18	1077
21	1205 ~~1189~~
24	
27	
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 10 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	171
5	169
10	169
15	175
20	186
25	193
30	204
35	213
40	224
45	238
50	244
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 7 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	244
3	402
6	626
9	805
12	834
15	1026
18	1086
21	1159
24	
27	
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

WTC - 4