Company: Oil Properties Co.,Inc. Lease & Well No.: Graber #1

Elevation: -- Formation: Kansas City Effective Pay: ----- Ft. Ticket No.: 5580

Date: 1/28/80 Sec.: 4 Twp.: 27S Range: 6W County: Kingman State: Kansas

Test Approved by: Robert C. Armstrong Western Representative: Dave Sloan

Formation Test No.: 1 Interval Tested from: 3365 ft. to: 3375 ft. Total Depth: 3375 ft.

Packer Depth: 3360 ft. Size: 6 3/4 in. Packer Depth: - ft. Size: - in.

Packer Depth: 3365 ft. Size: 6 3/4 in. Packer Depth: - ft. Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 3368 ft. Recorder Number: 6246 Cap.: 5200

Bottom Recorder Depth (Outside): 3371 ft. Recorder Number: 2604 Cap.: 4150

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

Drilling Contractor: D. R. Lauck Drlg. #1 Drill Collar Length: 310 I. D.: 2.2 in.

Mud Type: starch Viscosity: 36 Weight Pipe Length: - I. D.: - in.

Weight: 9.7 Water Loss: 15.4 cc. Drill Pipe Length: 3035 I. D.: 3.8 in.

Chlorides: 23,000 P.P.M. Test Tool Length: 20 ft. Tool Size: 5½OD in.

Jars: Make: -- Serial Number: -- Anchor Length: 10 ft. Size: 5½OD 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: 4½FH in.

Blow: Weak blow dying twenty-five minutes on initial flow period. Weak blow dying twenty minutes on final flow period.

Recovered: 60 ft. of: mud cut water chlorides 56,000 ppm

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Recovered: ft. of:

Remarks:

Time Set Packer(s): 6:00 ~~A.M.~~ P.M. Time Started Off Bottom: 8:00 ~~A.M.~~ P.M. Maximum Temperature: 110°

Initial Hydrostatic Pressure		(A) 1746	P.S.I.	
Initial Flow Period	Minutes 30	(B) 13	P.S.I. to (C) 29	P.S.I.
Initial Closed In Period	Minutes 30	(D) 976	P.S.I.	
Final Flow Period	Minutes 30	(E) 52	P.S.I. to (F) 57	P.S.I.
Final Closed In Period	Minutes 30	(G) 838	P.S.I.	
Final Hydrostatic Pressure		(H) 1674	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 1/28/80 Test Ticket No. 5580

Recorder No. 6246 Capacity 5200 Location 3368 Ft.

Clock No. ------ Elevation ------- Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1746 P.S.I.	Open Tool	6:00P M	
B First Initial Flow Pressure	13 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	29 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	976 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	52 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	57 P.S.I.			
G Final Closed-in Pressure	838 P.S.I.			
H Final Hydrostatic Mud	1674 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 10 Inc.		Breakdown: 6 Inc.		Breakdown: 10 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	13	0	29	0	52	0	57
P 2 5	20	3	36	5	52	3	57
P 3 10	21	6	45	10	52	6	63
P 4 15	24	9	63	15	52	9	79
P 5 20	26	12	94	20	53	12	105
P 6 25	27	15	173	25	55	15	154
P 7 30	29	18	306	30	57	18	238
P 8		21	516			21	366
P 9		24	717			24	537
P10		27	872			27	686
P11		30	976			30	838
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

6246

Oil Properties
Graben #1
DST 1

TKT #5580
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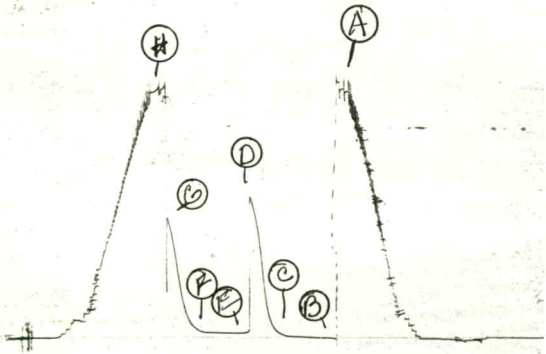

Company Oil Properties Co.,Inc. Lease & Well No. Graber #1

Elevation ------ Formation Mississippi Effective Pay --- Ft. Ticket No. 5581

Date 1/30/80 Sec. 4 Twp. 27S Range 6W County Kingman State Kansas

Test Approved by Robert C. Armstrong Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 3711 ft. to 3728 ft. Total Depth 3728 ft.

Packer Depth 3706 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3711 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3720 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 3723 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor D. R. Lauck Drilling Rig #1 Drill Collar Length 310 I. D. 2.2 in.

Mud Type starch Viscosity 37 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 12.8 cc. Drill Pipe Length 3381 I. D. 3.8 in.

Chlorides 24,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number --- Anchor Length 17 ft. Size 5½ODin.

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 4½FH in.

Blow: Strong. Gas to surface eight minutes on initial flow period. See attached sheet for gas measurements.

Recovered 30 ft. of gas cut mud

Recovered 240 ft. of gas and water cut mud

Recovered 70 ft. of gas and mud cut water chlorides 82,000 ppm

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:45 ~~P.M.~~ A.M. Time Started Off Bottom 7:45 ~~A.M.~~ P.M. Maximum Temperature 118°

Initial Hydrostatic Pressure ..... (A) 1901 P.S.I.

Initial Flow Period ..... Minutes 45 (B) 57 P.S.I. to (C) 65 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1268 P.S.I.

Final Flow Period ..... Minutes 45 (E) 82 P.S.I. to (F) 82 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 1240 P.S.I.

Final Hydrostatic Pressure ..... (H) 1886 P.S.I.

GAS FLOW REPORT

Date 1/30/80 Ticket 5581 Company Oil Properties Company, Inc.

Well Name and No. Graber #1 Dst No. 2 Interval Tested 3711'-3728'

County Kingman State Kansas Sec. 4 Twp. 27S Rg. 6W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Gas to surface eight minutes.				**PRE FLOW**		
	15 min.	10" of	water	1" orifice		81,800 CFPD
	25 min.	12" of	water	1" orifice		82,800 CFPD
	35 min.	14" of	water	1" orifice		97,300 CFPD
	45 min.	14" of	water	1" orifice		97,300 CFPD
				SECOND FLOW		
	10 min.	20" of	water	1" orifice		115,000 CFPD
	20 min.	20" of	water	1" orifice		115,000 CFPD
	30 min.	18" of	water	1" orifice		110,000 CFPD
	40 min.	18" of	water	1" orifice		110,000 CFPD
	45 min.	18" of	water	1" orifice		110,000 CFPD

GAS BOTTLE

Serial No. ------ Date Bottle Filled ------- Date to be Invoiced 1/30/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Oil Properties Company, Inc.

Authorized by Robert C. Armstrong

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 1/30/80 Test Ticket No. 5581

Recorder No. 2604 Capacity 4150 Location 3720 Ft.

Clock No. ------ Elevation ------ Well Temperature 118 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1901	P.S.I.	Open Tool	4:45A M	
B	First Initial Flow Pressure	57	P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	65	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1268	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	82	P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	82	P.S.I.			
G	Final Closed-in Pressure	1240	P.S.I.			
H	Final Hydrostatic Mud	1886	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 9 Inc.		Breakdown: 15 Inc.		Breakdown: 12 Inc.		Breakdown: 15 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	57	0	65	0	82	0	82
P 2 5	57	3	205	5	82	3	177
P 3 10	54	6	544	10	82	6	544
P 4 15	54	9	836	15	82	9	851
P 5 20	54	12	1033	20	82	12	998
P 6 25	57	15	1111	25	82	15	1073
P 7 30	59	18	1153	30	82	18	1121
P 8 35	61	21	1182	35	82	21	1148
P 9 40	63	24	1201	40	82	24	1167
P10 45	65	27	1215	45	82	27	1182
P11		30	1231			30	1196
P12		33	1239			33	1205
P13		36	1247			36	1214
P14		39	1254			39	1222
P15		42	1261			42	1231
P16		45	1268			45	1240
P17							
P18							
P19							
P20							

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Oil properties
Graben #1 DST 2

TKL #5581
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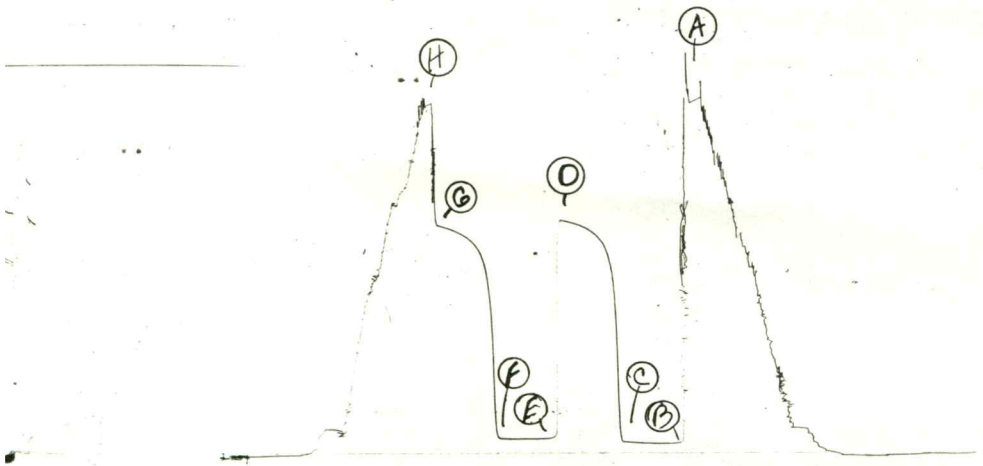

Company Oil Properties Company, Inc. Lease & Well No. Graber #1

Elevation ------ Formation Viola Effective Pay --- Ft. Ticket No. 5582

Date 1/31/80 Sec. 4 Twp. 27S Range 6W County Kingman State Kansas

Test Approved by Robert C. Armstrong Western Representative Dave Sloan

Formation Test No. 3 Interval Tested from 4071 ft. to 4084 ft. Total Depth 4084 ft.

Packer Depth 4066 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.

Packer Depth 4071 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4075 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4078 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor D. R. Lauck Drilling Rig #1 Drill Collar Length 310 I. D. 2.2 in.

Mud Type starch Viscosity 53 Weight Pipe Length -- I. D. - in.

Weight 9.7 Water Loss 6.2 cc. Drill Pipe Length 3741 I. D. 3.8 in.

Chlorides 21,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number - Anchor Length 13 ft. Size 5½OD in.

Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8in. Tool Joint Size 4½FH in.

Blow: Strong throughout both flow periods.

Recovered 690 ft. of gas in pipe

Recovered 330 ft. of gas and water cut oil (5% gas;53% oil'35% water;7% mud)

Recovered 420 ft. of gassy oil water

Recovered 1140 ft. of water chlorides 36,000 ppm

Recovered ft. of

Remarks:

Time Set Packer(s) 11:40 ~~A.M.~~ P.M. Time Started Off Bottom 2:40 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 136°

Initial Hydrostatic Pressure ..... (A) 2118 P.S.I.

Initial Flow Period ..... Minutes 45 (B) 66 P.S.I. to (C) 497 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1401 P.S.I.

Final Flow Period ..... Minutes 45 (E) 554 P.S.I. to (F) 836 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 1401 P.S.I.

Final Hydrostatic Pressure ..... (H) 2111 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/31/80 Test Ticket No. 5582

Recorder No. 2604 Capacity 4150 Location 4084 Ft.

Clock No. ------ Elevation ------ Well Temperature 136 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2118	P.S.I.	Open Tool	11:40P M	
B	First Initial Flow Pressure	66	P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	497	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1401	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	554	P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	836	P.S.I.			
G	Final Closed-in Pressure	1401	P.S.I.			
H	Final Hydrostatic Mud	2111	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: 15 Inc. of 3 mins. and a final inc. of 0 Min.

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

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point	First Flow Pressure Mins.	First Flow Pressure Press.	Initial Shut-In Point Minutes	Initial Shut-In Press.	Second Flow Pressure Point Minutes	Second Flow Pressure Press.	Final Shut-In Point Minutes	Final Shut-In Press.
P 1	0	66	0	~~497~~	0	554	0	836
P 2	5	109	3	~~1351~~	5	569	3	1357
P 3	10	164	6	~~1374~~	10	598	6	1374
P 4	15	224	9	~~1382~~	15	636	9	1382
P 5	20	277	12	1387	20	673	12	1389
P 6	25	326	15	1391	25	709	15	1393
P 7	30	378	18	1392	30	740	18	1395
P 8	35	423	21	1393	35	773	21	1397
P 9	40	472	24	1394	40	805	24	1398
P10	45	497	27	1395	45	836	27	1399
P11			30	1396			30	1399
P12			33	1397			33	1400
P13			36	1398			36	1400
P14			39	1399			39	1401
P15			42	1400			42	1401
P16			45	1401			45	1401
P17								
P18								
P19								
P20								

2 Copy

Oil Properties
Graber #1
DST #3

~~Tkt # 5582~~
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