WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Vincent Oil Corporation Lease & Well No. Smith #1

Elevation 1461 Kelly Bushings Formation Conglomerate Sands Effective Pay Ft. Ticket No. 15505

Date July 12, 1971 Sec. 5 Twp. 24S Range 5E County Butler State Kansas

Test Approved by H. Deane Jirrels Western Representative Norman Allen

Formation Test No. 1 O.K. X Misrun Interval Tested From 2398' to 2430' Total Depth 2430'

Size Main Hole 7 7/8" Rat Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Packer Depth 2393 Ft. Size 6 3/4" Packer Depth 2398 Ft. Size 6 3/4"

Straddle Yes No X Conv. B.T. Damaged Yes No

Packer Depth Ft. Size

Tool Size 5½"O.D. Tool Jt. Size 4½" F.H. Anchor Length 32 Ft. Size 5½"O.D.

RECORDERS Depth 2422 Ft. Clock No. 8474 Depth 2425 Ft. Clock No. 4763

Top Make Kuster Cap. 4000 No. 3351 Inside Outside Bottom Make Kuster Cap. 4150 No. 2606 Inside Outside

Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside

Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 3:18 P. M

Tool Open I.F.P. From 3:20 M. to 3:30 P. M. Hr. 10 Min. From (B) 8 P.S.I. To (C) 12 P.S.I.

Tool Closed I.C.I.P. From 3:30 M. to 4:00 P. M. Hr. 30 Min. (D) 407 P.S.I.

Tool Open F.F.P. From 4:00 M. to 5:00 P. M. Hr. 60 Min. From (E) 18 P.S.I. To (F) 63 P.S.I.

Tool Closed F.C.I.P. From 5:00 M. to 5:30 P. M. Hr. 30 Min. (G) 404 P.S.I.

Initial Hydrostatic Pressure (A) 1202 P.S.I. Final Hydrostatic Pressure (H) 1192 P.S.I.

SURFACE INFORMATION	Size Choke 3/4 In.	Max. Press. P.S.I.	Time	Description of Flow
			M.	
			M.	
			M.	

BLOW Weal throughout test Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 30 feet Drilling mud with scum of oil
120 feet Drilling mud

Reversed Out Yes X No Mud Type Chem Viscosity 45 Weight 9.7 Water Loss 12.4 cc. Maximum Temp. 105 °F

Type Circ. Sub. Pin Did Tool Plug? No Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?

Length Drill Pipe 2228 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 150 ft.

I. D. Drill Collars 2¼ in. Length D.S.T. Tool 52 ft.

Remarks

3-24-32

WESTERN TESTING CO., INC.
Pressure Data

Date July 12, 1971 Test Ticket No. 15505

Recorder No. 3351 Capacity 4000 Location 2422 Ft.

Clock No. 8474 Elevation 1461 Kelly Bushings Well Temperature 105 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1202	P.S.I.	Open Tool	3:20 P. M	
B	First Initial Flow Pressure	8	P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C	First Final Flow Pressure	12	P.S.I.	Initial Closed-in Pressure	30 Mins.	31 Mins.
D	Initial Closed-in Pressure	407	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	18	P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	63	P.S.I.			
G	Final Closed-in Pressure	404	P.S.I.			
H	Final Hydrostatic Mud	1192	P.S.I.			

PRESSURE BREAKDOWN

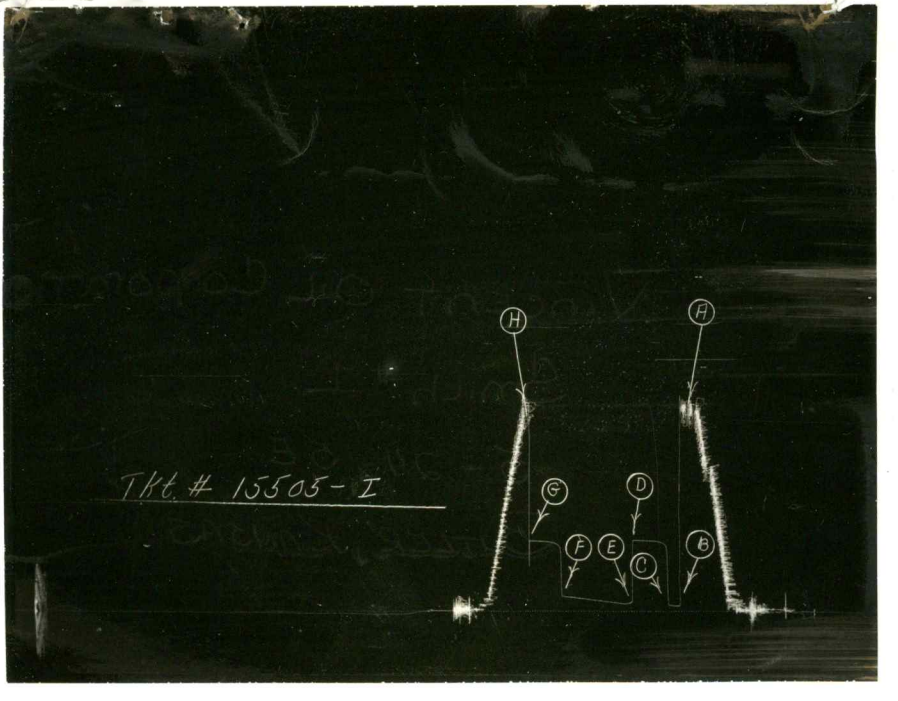
First Flow Pressure
Breakdown: 2 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 1 Min.

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 10 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 0	8	0	12	0	18	0	63
P 2 5	10	3	379	5	21	3	385
P 3 10	12	6	398	10	23	6	393
P 4		9	403	15	26	9	397
P 5		12	405	20	29	12	399
P 6		15	406	25	32	15	401
P 7		18	406	30	36	18	402
P 8		21	407	35	40	21	403
P 9		24	407	40	45	24	403
P10		27	407	45	49	27	404
P11		30	407	50	54	30	404
P12		31	407	55	59		
P13				60	63		
P14							
P15							
P16							
P17							
P18							
P19							
P20							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WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Vincent Oil Corporation Lease & Well No. Smith #1

Elevation 1461 Kelly Bushings Formation Conglomerate Sand Effective Pay Ft. Ticket No. 15506

Date July 12, 1971 Sec. 5 Twp. 24S Range 5E County Butler State Kansas

Test Approved by Vincent F. Hiebsch Western Representative Norman Allen

Formation Test No. 2 O.K. X Misrun Interval Tested From 2398' to 2434' Total Depth 2434'

Size Main Hole 7 7/8" Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Packer Depth 2393 Ft. Size 6 3/4" Packer Depth 2398 Ft. Size 6 3/4"

Straddle Yes No X Conv. B.T. Damaged Yes No

Packer Depth Ft. Size

Tool Size 5½" O.D. Tool Jt. Size 4½" F. H. Anchor Length 36 Ft. Size 5½"

RECORDERS Depth 2426 Ft. Clock No. 8474 Depth 2429 Ft. Clock No. 4763

Top Make Kuster Cap. 4000 No. 3351 Inside Outside Bottom Make Kuster Cap. 4150 No. 2606 Inside Outside

Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside

Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 11:52 P. M

Tool Open I.F.P. From 11:55 M. to 12:00 PM. Hr. 5 Min. From (B) 14 P.S.I. To (C) 18 P.S.I.

Tool Closed I.C.I.P. From 12:00 M. to 12:30 AM. Hr. 30 Min. (D) 405 P.S.I.

Tool Open F.F.P. From 12:30 M. to 1:30 AM. Hr. 60 Min. From (E) 36 P.S.I. To (F) 133 P.S.I.

Tool Closed F.C.I.P. From 1:30 M. to 2:00 A. M. Hr. 30 Min. (G) 395 P.S.I.

Initial Hydrostatic Pressure (A) 1186 P.S.I. Final Hydrostatic Pressure (H) 1178 P.S.I.

SURFACE INFORMATION	Size Choke 3/4 In.	Max. Press. P.S.I.	Time	Description of Flow
			M.	
			M.	
			M.	

BLOW Fair throughout test Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 20 feet mud with scum of oil

60 feet Drilling mud, 60 feet watery mud, 180 feet salt water

Reversed Out Yes X No Mud Type Chem Viscosity 45 Weight 9.7 Water Loss 12.4 cc. Maximum Temp. 105 °F

Type Circ. Sub. Pin Did Tool Plug? No Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?

Length Drill Pipe 2228 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 150 ft.

I. D. Drill Collars 2¼ in. Length D.S.T. Tool 56 ft.

Remarks Water sample checked 22,000 PPM Chlorides
Mud salt 1500 PPM Chloride (Pit Sample)

WESTERN TESTING CO., INC.
Pressure Data

Date July 12, 1971 Test Ticket No. 15506

Recorder No. 3351 Capacity 4000 Location 2426 Ft.

Clock No. 8474 Elevation 1461 Kelly Bushings Well Temperature 105 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1186 P.S.I.		Open Tool	11:55 P. M	
B	First Initial Flow Pressure	14 P.S.I.		First Flow Pressure	5 Mins.	3 Mins.
C	First Final Flow Pressure	18 P.S.I.		Initial Closed-in Pressure	30 Mins.	33 Mins.
D	Initial Closed-in Pressure	405 P.S.I.		Second Flow Pressure	60 Mins.	61 Mins.
E	Second Initial Flow Pressure	36 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	133 P.S.I.				
G	Final Closed-in Pressure	395 P.S.I.				
H	Final Hydrostatic Mud	1178 P.S.I.				

PRESSURE BREAKDOWN

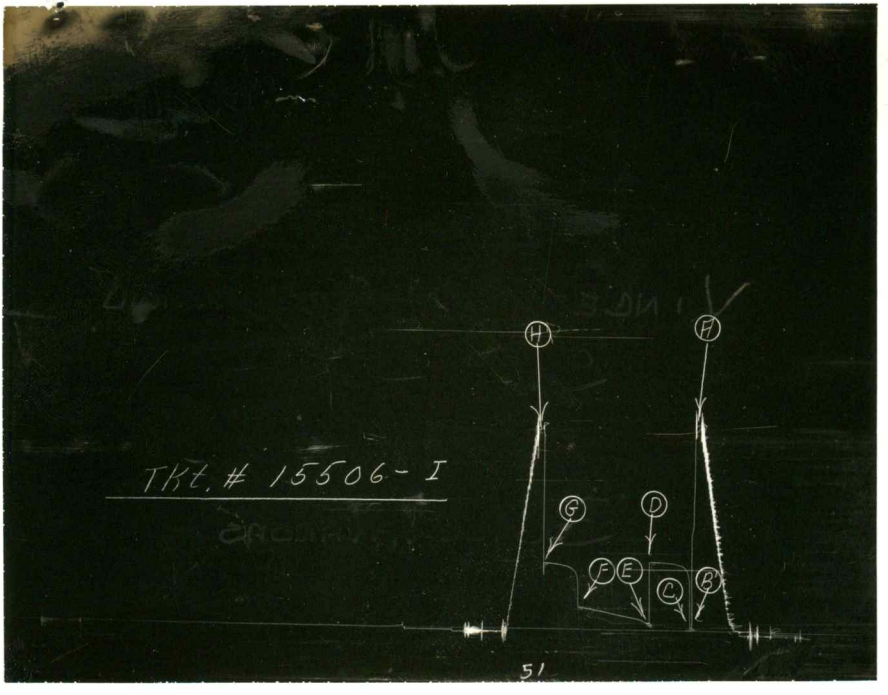
First Flow Pressure
Breakdown: 1 Inc.
of 3 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 1 Min.

Final Shut-In
Breakdown: 10 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 0	14	0	18	0	36	0	133
P 2 3	18	3	351	5	50	3	341
P 3		6	377	10	64	6	361
P 4		9	385	15	70	9	371
P 5		12	391	20	76	12	377
P 6		15	395	25	82	15	381
P 7		18	397	30	92	18	387
P 8		21	399	35	101	21	389
P 9		24	401	40	107	24	391
P10		27	403	45	112	27	393
P11		30	404	50	121	30	395
P12		33	405	55	126		
P13				60	132		
P14				61	133		
P15							
P16							
P17							
P18							
P19							
P20							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