FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company VINCENT OIL CORPORATION Lease and Well No. #1 "B" UNKUH Sec. 26 Twp. 29S Rge. 19W Test No. 1 Date 11/23/

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/23/84 TICKET #7404
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 1 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: LANSING
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

INTERVAL TEST FROM: 4573 FT TO: 4588 FT TOTAL DEPTH: 4588 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4568 FT SIZE: 6 5/8 IN PACKER DEPTH: 4573 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE DRLG
MUD TYPE: PRE-CHEM VISCOSITY: 38
WEIGHT: 9.5 WATER LOSS (CC):
CHLORIDES (P.P.M.): 21000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 120 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4433 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 FT SIZE: 5 1/2 OD IN
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: INITIAL FLOW PERIOD WEAK BLOW BUILDING TO A STRONG STEADY BLOW. FINAL FLOW PERIOD WEAK BLOW BUILDING TO A STRONG STEADY BLOW.

RECOVERED: 750 FT OF: MUDDY SALT WATER.
RECOVERED: FT OF: CHLORIDES 111000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:25 AM TIME STARTED OFF BOTTOM: 11:10 AM
WELL TEMPERATURE: 119 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2395	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 112	PSI TO (C) 219	PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 1531	PSI	
FINAL FLOW PERIOD	MIN: 30	(E) 280	PSI TO (F) 381	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 1533	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2325	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 11/23/84 TICKET #7404
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 1 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: LANSING
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2395 PSI
(B) FIRST INITIAL FLOW PRESSURE: 112 PSI
(C) FIRST FINAL FLOW PRESSURE: 219 PSI
(D) INITIAL CLOSED-IN PRESSURE: 1531 PSI
(E) SECOND INITIAL FLOW PRESSURE: 280 PSI
(F) SECOND FINAL FLOW PRESSURE: 381 PSI
(G) FINAL CLOSED-IN PRESSURE: 1533 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2325 PSI
WELL TEMPERATURE: 119 'F
OPEN TOOL: 8:25 AM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	45	MIN	45	MIN
SECOND FLOW PRESSURE:	30	MIN	30	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	60	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	112	0	219	0	280	0	381
2	5	112	3	1320	5	280	3	1334
3	10	133	6	1394	10	291	6	1395
4	15	156	9	1431	15	314	9	1429
5	20	186	12	1449	20	338	12	1448
6	25	210	15	1471	25	362	15	1463
7	30	219	18	1484	30	381	18	1474
8			21	1494			21	1484
9			24	1503			24	1492
10			27	1509			27	1496
11			30	1514			30	1500
12			33	1518			33	1504
13			36	1522			36	1508
14			39	1525			39	1512
15			42	1528			42	1516
16			45	1531			45	1520
17							48	1523
18							51	1526
19							54	1529
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ICP# 7404

DST#1

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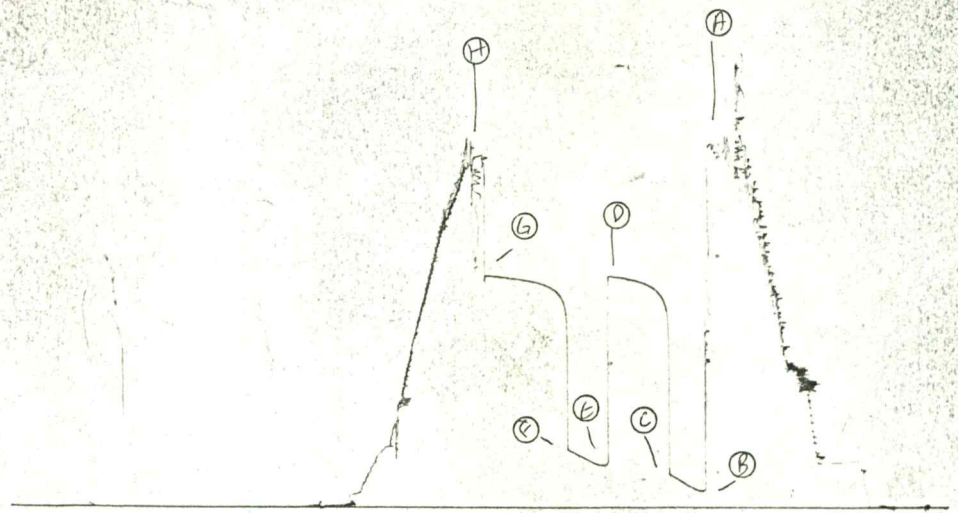

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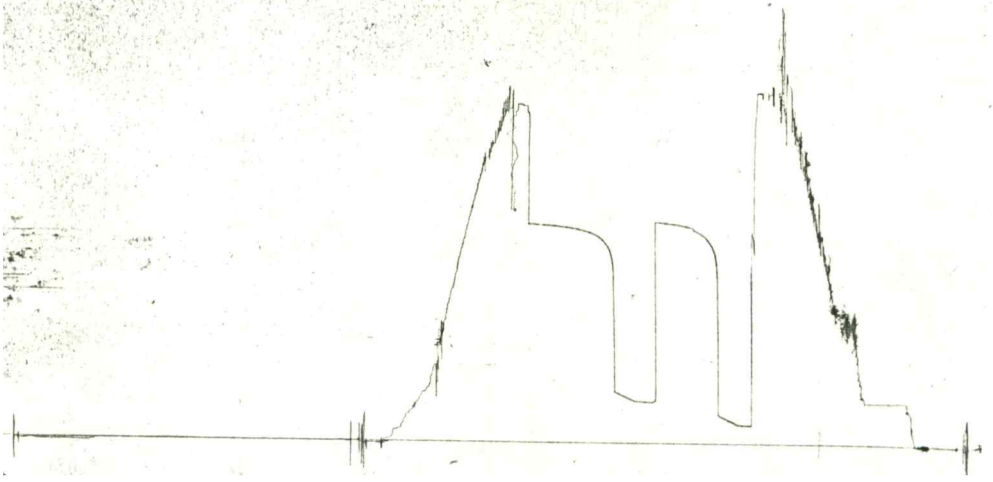
DST #1 #7404



FORMATION TEST REPORT

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company VINCENT OIL CORPORATION

Lease and Well No. #1 B UNKUR

Sec. 20 Twp. 29S Rge. 19W

Test No. 2 Date 11/24/

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/24/84 TICKET #7405
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 2 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: KANSAS CITY
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN 6074 RANGE: 5100 CLOCK: 12

INTERVAL TEST FROM: 4792 FT TO: 4887 FT TOTAL DEPTH: 4887 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4787 FT SIZE: 6 5/8 IN PACKER DEPTH: 4792 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE DRLG
MUD TYPE: DRIS-CHEM VISCOSITY: 40
WEIGHT: 9.6 WATER LOSS (CC): 15.6
CHLORIDES (P.P.M.): 19000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	120	FT	I.D.: 2.2	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	4652	FT	I.D.: 3.8	IN	
TEST TOOL LENGTH:	20	FT	TOOL SIZE: 5 1/2 OD	IN	
ANCHOR LENGTH:	95	FT	SIZE: 5 1/2 OD	IN	
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: INITIAL FLOW PERIOD WEAK BLOW
BUILDING TO A STRONG BLOW.
FINAL FLOW PERIOD WEAK BLOW
BUILDING TO A STRONG BLOW IN 15 MINUTES.

RECOVERED:	925	FT	OF: MUDDY SALT WATER.
RECOVERED:		FT	OF: CHLORIDES 112000 PPM.
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:

REMARKS: ONE STAND DRILL PIPE IN ANCHOR (60').

TIME SET PACKER(S): 6:50 PM TIME STARTED OFF BOTTOM: 9:50 PM
WELL TEMPERATURE: 130 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2534	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 119	PSI TO (C) 257	PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 1655	PSI	
FINAL FLOW PERIOD	MIN: 45	(E) 314	PSI TO (F) 476	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 1639	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2478	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 11/24/84 TICKET #7405
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 2 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: KANSAS CITY
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN 6074 RANGE: 5100 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2534 PSI
(B) FIRST INITIAL FLOW PRESSURE: 119 PSI
(C) FIRST FINAL FLOW PRESSURE: 257 PSI
(D) INITIAL CLOSED-IN PRESSURE: 1655 PSI
(E) SECOND INITIAL FLOW PRESSURE: 314 PSI
(F) SECOND FINAL FLOW PRESSURE: 476 PSI
(G) FINAL CLOSED-IN PRESSURE: 1639 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2478 PSI
WELL TEMPERATURE: 130 'F
OPEN TOOL: 6:50 PM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	45	MIN	45	MIN
SECOND FLOW PRESSURE:	45	MIN	45	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	60	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	119	0	257	0	314	0	476
2	5	119	3	1444	5	314	3	1467
3	10	137	6	1522	10	329	6	1526
4	15	163	9	1558	15	349	9	1553
5	20	192	12	1581	20	372	12	1569
6	25	222	15	1594	25	395	15	1582
7	30	257	18	1607	30	416	18	1592
8			21	1617	35	435	21	1601
9			24	1625	40	454	24	1607
10			27	1630	45	476	27	1613
11			30	1635			30	1617
12			33	1639			33	1620
13			36	1643			36	1623
14			39	1647			39	1625
15			42	1651			42	1627
16			45	1655			45	1629
17							48	1631
18							51	1633
19							54	1635
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DST #2

Ticket #7405

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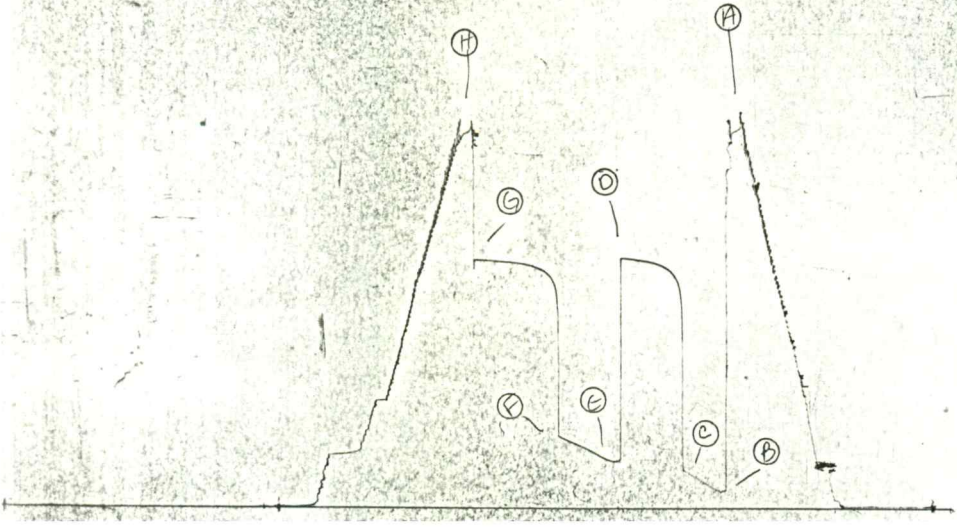

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DST #2

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FORMATION TEST REPORT

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company VINCENT OIL CORPORATION Lease and Well No. #1 "B" UNRUH Sec. 26 Twp. 29S Rge. 19W Test No. 3 Date 1/26/8

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/26/84 TICKET #7406
CUSTOMER: VINCENT OIL CORPORATION LEASE: UNRUH "B"
WELL: #1 TEST: 3 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: CHEROKEE
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

INTERVAL TEST FROM: 4931 FT TO: 5080 FT TOTAL DEPTH: 5080 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4926 FT SIZE: 6 5/8 IN PACKER DEPTH: 4931 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE
MUD TYPE: CHEM DRIS VISCOSITY: 46
WEIGHT: 9.5 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 26000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4731 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 149 FT SIZE: 5 1/2 O.D. IN
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: INITIAL FLOW PERIOD WEAK BLOW DECREASING THROUGHOUT. FINAL FLOW PERIOD VERY WEAK BLOW DECREASING IN 5 MINUTES; FLUSHED TOOL WEAK BLOW DECREASING THROUGHOUT.

RECOVERED: 60 FT OF: DRILLING MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: 123 FEET OF DRILL PIPE IN ANCHOR.

TIME SET PACKER(S): 2:05 A.M. TIME STARTED OFF BOTTOM: 4:05 A.M.
WELL TEMPERATURE: 120 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2498	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 38	PSI TO (C) 38	PSI
INITIAL CLOSED IN PERIOD	MIN: 30	(D) 48	PSI	
FINAL FLOW PERIOD	MIN: 30	(E) 41	PSI TO (F) 52	PSI
FINAL CLOSED IN PERIOD	MIN: 30	(G) 57	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2480	PSI	

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 11/26/84 TICKET #7406
CUSTOMER: VINCENT OIL CORPORATION LEASE: UNRUH "B"
WELL: #1 TEST: 3 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: CHEROKEE
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2498 PSI
(B) FIRST INITIAL FLOW PRESSURE: 38 PSI
(C) FIRST FINAL FLOW PRESSURE: 38 PSI
(D) INITIAL CLOSED-IN PRESSURE: 48 PSI
(E) SECOND INITIAL FLOW PRESSURE: 41 PSI
(F) SECOND FINAL FLOW PRESSURE: 52 PSI
(G) FINAL CLOSED-IN PRESSURE: 57 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2480 PSI
WELL TEMPERATURE: 120 'F
OPEN TOOL: 2:05 A.M.

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	30	MIN	30	MIN
SECOND FLOW PRESSURE:	30	MIN	30	MIN
FINAL CLOSED-IN PRESSURE:	30	MIN	30	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	38	0	38	0	41	0	52
2	5	38	3	39	5	69	3	52
3	10	38	6	40	10	56	6	52
4	15	38	9	41	15	54	9	52
5	20	38	12	42	20	52	12	55
6	25	38	15	43	25	52	15	56
7	30	38	18	44	30	52	18	57
8			21	45			21	57
9			24	46			24	57
10			27	47			27	57
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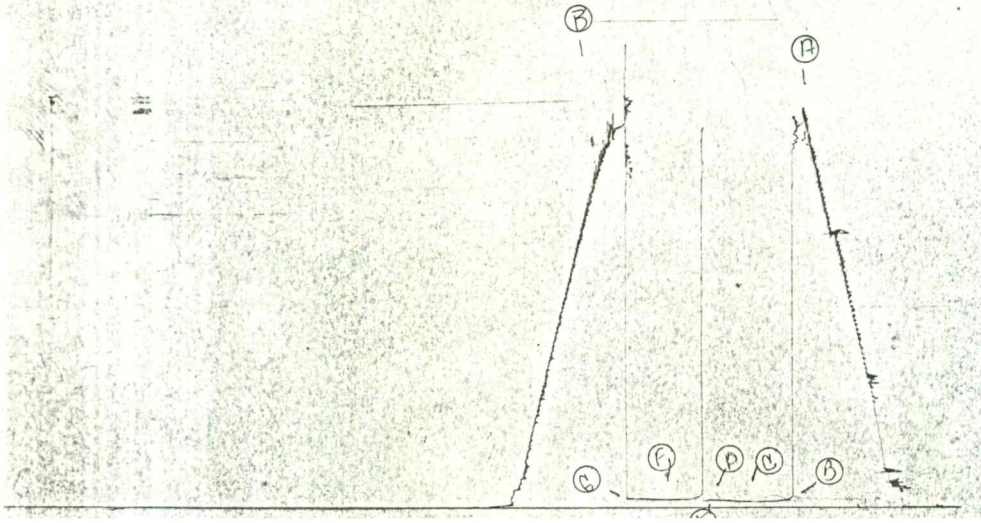

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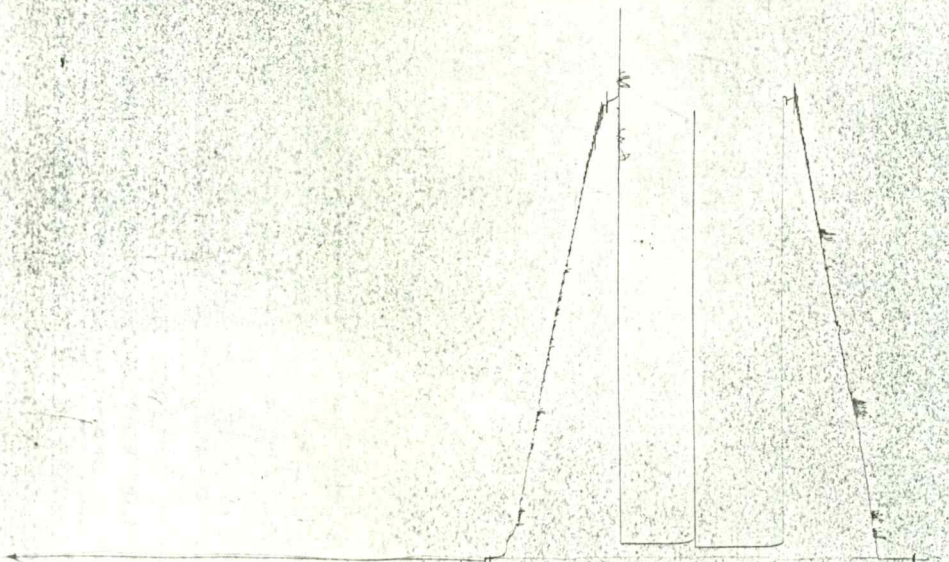

FORMATION TEST REPORT

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company VINCENT OIL CORPORATION Lease and Well No. #1 "B" UNRUH Sec. 26 Twp. 29S Rge. 19W Test No. 4 Date 1/20/0

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/26/84 TICKET #7407
CUSTOMER: VINCENT OIL CORP LEASE: 'B' UNRUH
WELL: 1 TEST: 4 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

INTERVAL TEST FROM: 5052 FT TO: 5117 FT TOTAL DEPTH: 5117 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 5047 FT SIZE: 6 5/8 IN PACKER DEPTH: 5052 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE DRLG
MUD TYPE: CHEM-DRIS VISCOSITY: 50
WEIGHT: 9.4 WATER LOSS (CC): 15.0
CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	180	FT	I.D.:	2.25	IN
WEIGHT PIPE LENGTH:		FT	I.D.:		IN
DRILL PIPE LENGTH:	4852	FT	I.D.:	3.8	IN
TEST TOOL LENGTH:	20	FT	TOOL SIZE:	5 1/2	IN
ANCHOR LENGTH:	65	FT	SIZE:	5 1/2	IN
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 XH	IN

BLOW: STRONG BLOW GAS TO SURFACE 10 MINUTES (SEE FLOW CHART)

RECOVERED: 250 FT OF: GAS CUT DRILLING MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 11:45 PM TIME STARTED OFF BOTTOM: 4:15 AM
WELL TEMPERATURE: 122 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2606	PSI	
INITIAL FLOW PERIOD	MIN: 45	(B) 242	PSI TO (C) 248	PSI
INITIAL CLOSED IN PERIOD	MIN: 60	(D) 1369	PSI	
FINAL FLOW PERIOD	MIN: 75	(E) 204	PSI TO (F) 219	PSI
FINAL CLOSED IN PERIOD	MIN: 78	(G) 1150	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2580	PSI	

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 11/26/84 TICKET #7407
CUSTOMER: VINCENT OIL CORP LEASE: 'B' UNRUH
WELL: 1 TEST: 4 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2606 PSI
(B) FIRST INITIAL FLOW PRESSURE: 242 PSI
(C) FIRST FINAL FLOW PRESSURE: 248 PSI
(D) INITIAL CLOSED-IN PRESSURE: 1369 PSI
(E) SECOND INITIAL FLOW PRESSURE: 204 PSI
(F) SECOND FINAL FLOW PRESSURE: 219 PSI
(G) FINAL CLOSED-IN PRESSURE: 1150 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2580 PSI
WELL TEMPERATURE: 122 'F
OPEN TOOL: 11:45 PM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	45	MIN	45	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	75	MIN	75	MIN
FINAL CLOSED-IN PRESSURE:	90	MIN	78	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	242	0	248	0	204	0	219
2	5	242	3	984	5	204	3	792
3	10	245	6	1211	10	214	6	946
4	15	258	9	1278	15	225	9	1033
5	20	263	12	1311	20	228	12	1066
6	25	263	15	1336	25	232	15	1084
7	30	255	18	1346	30	232	18	1099
8	35	248	21	1352	35	232	21	1107
9	40	248	24	1358	40	232	24	1112
10	45	248	27	1361	45	230	27	1117
11			30	1364	50	230	30	1122
12			33	1367	55	230	33	1124
13			36	1368	60	219	36	1126
14			39	1368	65	219	39	1128
15			42	1368	70	219	42	1130
16			45	1368	75	219	45	1132
17			48	1369			48	1134
18			51	1369			51	1136
19			54	1369			54	1138
20			57	1369			57	1140
21			60	1369			60	1142
22							63	1144
23							66	1146
24							69	1147
25							72	1148
26							75	1149
27							78	1150
28								
29								
30								

WESTERN TESTING COMPANY INC.
GAS FLOW REPORT

DATE: 11/26/84
TICKET #7407
CUSTOMER: VINCENT OIL CORP
LEASE: 'B' UNRUH
WELL: 1
TEST: 4
GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073
FORMATION: MISSISSIPPI
SECTION: 26
TOWNSHIP: 29S
RANGE: 19W
COUNTY: KIOWA
STATE: KS
GAUGE SN #6074
RANGE: 5100
CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
			PRE FLOW	
15	MERLA	3/4	39 PSIG	628000 CFPD
20			44	685000
25			47	720000
30			50	756000
35			51	767000
40			51	767000
45			52	779000
			SECOND FLOW	
5	MERLA	3/4	21 PSIG	411000 CFPD
10			38	617000
15			45	697000
20			49	744000
25			50	756000
30			50	756000
35			49	744000
40			49	744000
45			48	732000
50			47	720000
55			46	708000
60			45	697000
65			44	685000
70			44	685000
75			43	674000

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED:

Gas Production

B.T. Gauge Numbers				Ticket Number	7407
Initial Hydrostatic		Pressure 2606		Elevation	2073 KB ft.
Final Hydrostatic		2580		Production Rate Intial	779 m cu. ft.
1st Flow Initial	Time — — — —	265		Production Rate Final	674 m cu. ft.
1st Flow Final	45	248		Hole Size	7.875 in.
Initial Closed In Pressure	60	1369		Footage Tested	65 (9) ft.
2nd Flow Initial	— — — —	204		Mud Weight	9.4 lbs. gal.
2nd Flow Final	75	219		Gas Viscosity	cp
Final Closed In Pressure	90	1150		Gas Gravity	—
Extrapolated Static Pressure	Initial	1399 - 1307		Gas Compressibility	—
	Final	1187 - 1051			
Slope Psi²/cycle	Initial	92.622			
	Final	135.641			

Remarks:

SUMMARY

Product	Equation	BT Gauge Number Depth Initial	Final	Units
Transmissibility	$\frac{Kh}{\mu} = \frac{1637\, Q_s\, ZT}{m}$	2444.597	1730.001	$\frac{md.\ ft.}{cp}$
Theoretical Flow Capacity	$Kh = \frac{Kh}{\mu}\ \mu$	44.002	31.140	md. ft.
Average Effective	$K = \frac{Kh}{h}$	4.889	3.460	md.
Permeability	$K_1 = \frac{Kh}{h_1}$	–	–	md.
Indicated Flow Capacity	$(Kh)_i = \frac{3200\, Q_s\, \mu\, ZT \log(0.472\, b/r_w)}{P_s^2 - P_f^2}$	15.328	18.970	md. ft.
Damage Ratio	$DR = \frac{\text{Theo. Flow Cap}}{\text{Indicated Flow Cap}}\ \frac{Kh}{(Kh)_i}$	4.175	1.641	—
Indicated Flow Rate	$OF_1 = \frac{Q_s}{P_s^2 - P_f^2}\ P_s^2$	804,273	697,751	MCFD
		791,536	685,772	MCFD
Theoretical Potential Rate	$OF_3 = OF_1\ DR$ Max.	3,358,219	1,145,350	MCFD
	$OF_4 = OF_2\ DR$ Min.	3,305,032	1,125,687	MCFD
Approx. Radius of Investigation	$b \approx \sqrt{Kt}$ or $\sqrt{Kt_0}$	14.832	16.109	ft.
	$b_1 \approx \sqrt{K_1 t}$ or $\sqrt{K_1 t_0}$	–	–	ft.
Potentiometric Surface *	$Pot. = (El - GD) + (2.319\, Ps)$	270.281	221.347	ft.

NOTICE: These calculations are based upon information furnished by you and taken from Drill Stem Tests pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Western Testing Co., Inc., is merely expressing its opinion. You agree that Western Testing Co., Inc., make no warranty express or implied as to the accuracy of such calculations or opinions, and that Western Testing Co., Inc., shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

#1401 6074 DST #4

Tkt # 7407

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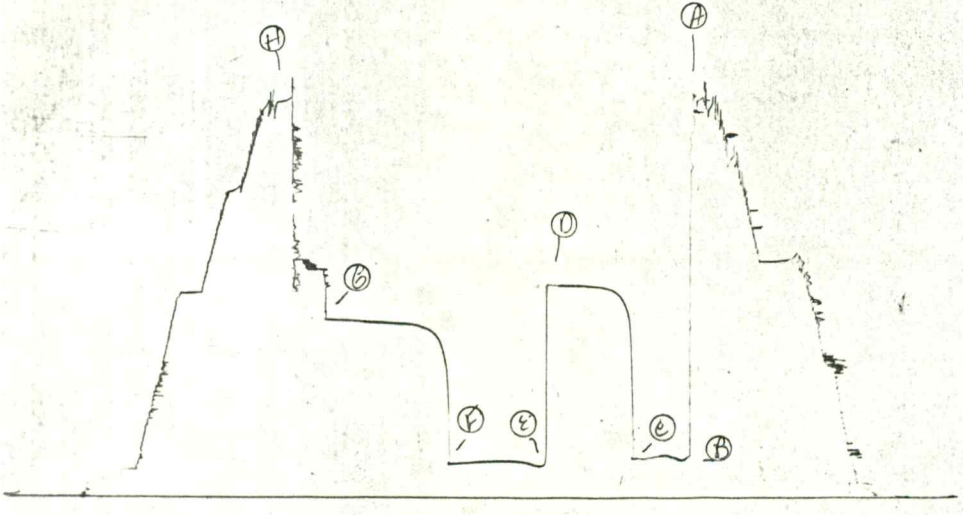
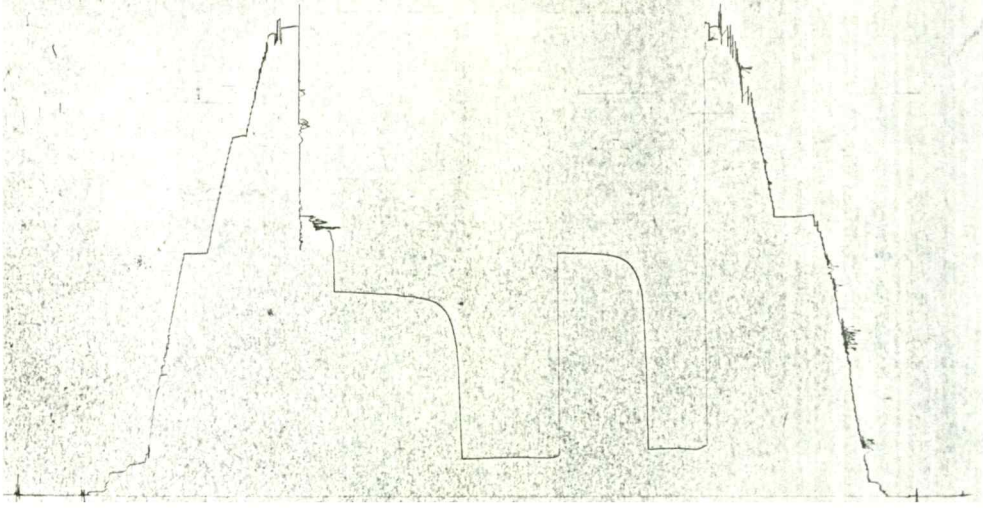


Ticket 7407 1051

TKt # 7407



FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company _____ Lease and Well No. _____ Sec. _____ Twp. _____ Rge. _____ Test No. _____ Date _____

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/27/84 TICKET #7408
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 5 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

INTERVAL TEST FROM: 5117 FT TO: 5127 FT TOTAL DEPTH: 5127 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 5112 FT SIZE: 6 5/8 IN PACKER DEPTH: 5117 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE DRLG
MUD TYPE: CHEM-DRIS VISCOSITY: 48
WEIGHT: 9.6 WATER LOSS (CC): 16.2
CHLORIDES (P.P.M.): 84000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 240 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4857 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 10 FT SIZE: 5 1/2 IN
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: INITIAL FLOW PERIOD WEAK BLOW
INCREASING VERY VERY SLOWLY.
FINAL FLOW PERIOD WEAK BLOW SLOWLY BUILDING
UNTIL LAST 25 MINS. THEN INCREASING MORE RAPIDLY.

RECOVERED: 120 FT OF: DRILLING MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: SLID TOOL 5 TO 6 FEET AFTER OPENING.

TIME SET PACKER(S): 6:30 PM TIME STARTED OFF BOTTOM: 11:00 PM
WELL TEMPERATURE: 122 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2627	PSI	
INITIAL FLOW PERIOD	MIN: 45	(B) 46	PSI TO (C) 59	PSI
INITIAL CLOSED IN PERIOD	MIN: 60	(D) 1482	PSI	
FINAL FLOW PERIOD	MIN: 75	(E) 68	PSI TO (F) 82	PSI
FINAL CLOSED IN PERIOD	MIN: 90	(G) 1354	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2627	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 11/27/84 TICKET #7408
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 5 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2627 PSI
(B) FIRST INITIAL FLOW PRESSURE: 46 PSI
(C) FIRST FINAL FLOW PRESSURE: 59 PSI
(D) INITIAL CLOSED-IN PRESSURE: 1482 PSI
(E) SECOND INITIAL FLOW PRESSURE: 68 PSI
(F) SECOND FINAL FLOW PRESSURE: 82 PSI
(G) FINAL CLOSED-IN PRESSURE: 1354 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2627 PSI
WELL TEMPERATURE: 122 'F
OPEN TOOL: 6:30 PM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	45	MIN	45	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	75	MIN	75	MIN
FINAL CLOSED-IN PRESSURE:	90	MIN	90	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	46	0	59	0	68	0	82
2	5	46	3	307	5	68	3	207
3	10	46	6	941	10	68	6	460
4	15	46	9	1184	15	68	9	565
5	20	46	12	1309	20	68	12	662
6	25	46	15	1365	25	69	15	749
7	30	46	18	1385	30	69	18	836
8	35	49	21	1403	35	71	21	903
9	40	54	24	1417	40	73	24	964
10	45	59	27	1429	45	76	27	1015
11			30	1438	50	77	30	1056
12			33	1445	55	78	33	1094
13			36	1452	60	79	36	1125
14			39	1459	65	80	39	1155
15			42	1464	70	81	42	1179
16			45	1468	75	82	45	1202
17			48	1471			48	1219
18			51	1474			51	1235
19			54	1477			54	1250
20			57	1480			57	1263
21			60	1482			60	1273
22							63	1283
23							66	1293
24							69	1303
25							72	1313
26							75	1323
27							78	1332
28							81	1338
29							84	1344
30							87	1349

PRESSURE BREAKDOWN - CONT. TICKET #7408

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1354
32								
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6074 DSI #7408

SH # 7408

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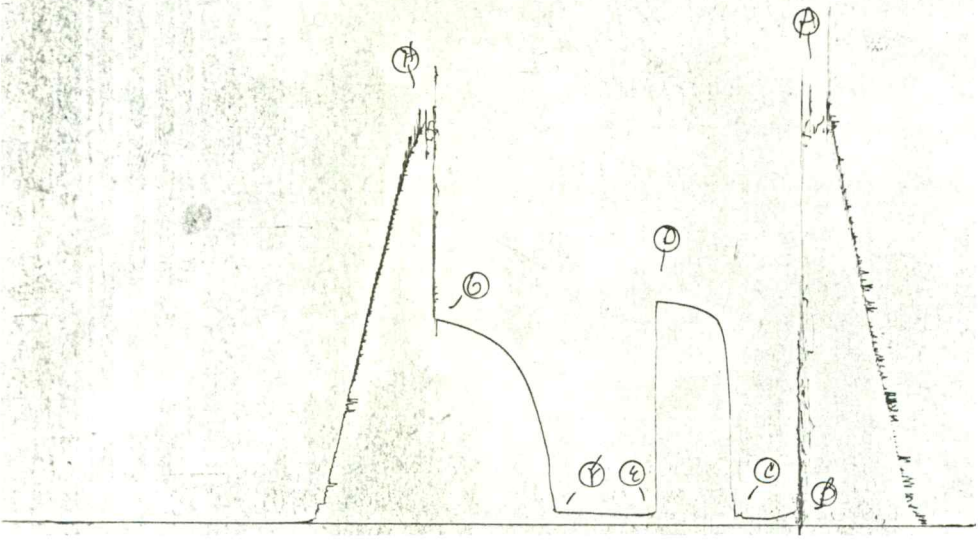

Jkt # 7408

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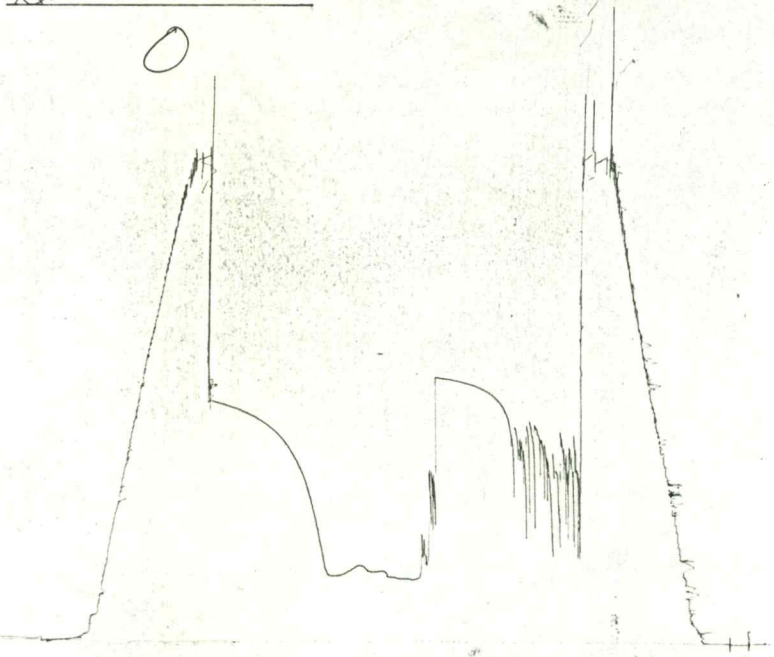

FORMATION TEST REPORT

Company VINCENT OIL CORPORATION Lease and Well No. #1 "B" UNRUH Sec. 26 Twp. 29S Rge. 19W Test No. 6 Date 11/28/

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/28/84
TICKET #7409
CUSTOMER: VINCENT OIL CORPORATION
LEASE: "B" UNRUH
WELL: 1
TEST: 6
GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073
FORMATION: MISSISSIPPI
SECTION: 26
TOWNSHIP: 29S
RANGE: 19W
COUNTY: KIOWA
STATE: KANSAS
GAUGE SN #6074
RANGE: 5100
CLOCK: 12

INTERVAL TEST FROM: 5125 FT TO: 5142 FT TOTAL DEPTH: 5142 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 5120 FT SIZE: 6 5/8 IN PACKER DEPTH: 5125 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE DRLG
MUD TYPE: CHEM-DRIS VISCOSITY: 55
WEIGHT: 9.1 WATER LOSS (CC): 23.6
CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	240	FT	I.D.:	2.25	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:		IN	
DRILL PIPE LENGTH:	4865	FT	I.D.:	3.8	IN	
TEST TOOL LENGTH:	20	FT	TOOL SIZE:	5 1/2	IN	
ANCHOR LENGTH:	17	FT	SIZE:	5 1/2	IN	
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: INITIAL FLOW PERIOD WEAK BLOW
BUILDING TO A STRONG BLOW.
FINAL FLOW PERIOD WEAK BLOW
BUILDING TO A GOOD BLOW.

RECOVERED:	240	FT	OF: GAS ABOVE FLUID.
RECOVERED:	60	FT	OF: SLIGHTLY OIL CUT MUDDY WATER.
RECOVERED:	240	FT	OF: SALT WATER.
RECOVERED:		FT	OF: CHLORIDES 68000 PPM.
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:

REMARKS:

TIME SET PACKER(S): 11:25 AM TIME STARTED OFF BOTTOM: 3:10 PM
WELL TEMPERATURE: 123 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2695	PSI
INITIAL FLOW PERIOD	MIN: 45	(B) 59	PSI TO (C) 102 PSI
INITIAL CLOSED IN PERIOD	MIN: 60	(D) 1287	PSI
FINAL FLOW PERIOD	MIN: 45	(E) 143	PSI TO (F) 156 PSI
FINAL CLOSED IN PERIOD	MIN: 75	(G) 1202	PSI
FINAL HYDROSTATIC PRESSURE		(H) 2619	PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 11/28/84
CUSTOMER: VINCENT OIL CORPORATION
WELL: 1
TEST: 6
ELEVATION (KB): 2073
SECTION: 26
RANGE: 19W
COUNTY: KIOWA
GAUGE SN #6074
RANGE: 5100

TICKET #7409
LEASE: "B" UNRUH
GEOLOGIST: SCHMALTZ
FORMATION: MISSISSIPPI
TOWNSHIP: 29S
STATE: KANSAS
CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2695	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	59	PSI
(C)	FIRST FINAL FLOW PRESSURE:	102	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1287	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	143	PSI
(F)	SECOND FINAL FLOW PRESSURE:	156	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1202	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2619	PSI
WELL TEMPERATURE:		123	'F

OPEN TOOL: 11:25 AM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	45	MIN	45	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	45	MIN	45	MIN
FINAL CLOSED-IN PRESSURE:	75	MIN	75	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	59	0	102	0	143	0	156
2	5	59	3	373	5	143	3	442
3	10	59	6	813	10	143	6	767
4	15	63	9	954	15	143	9	921
5	20	68	12	1033	20	144	12	987
6	25	74	15	1087	25	146	15	1033
7	30	79	18	1125	30	148	18	1064
8	35	86	21	1160	35	150	21	1089
9	40	94	24	1179	40	153	24	1110
10	45	102	27	1196	45	156	27	1125
11			30	1212			30	1140
12			33	1227			33	1151
13			36	1240			36	1161
14			39	1249			39	1170
15			42	1258			42	1175
16			45	1265			45	1179
17			48	1270			48	1183
18			51	1275			51	1186
19			54	1280			54	1189
20			57	1284			57	1192
21			60	1287			60	1195
22							63	1197
23							66	1199
24							69	1200
25							72	1201
26							75	1202
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7409

TK+ # 7409

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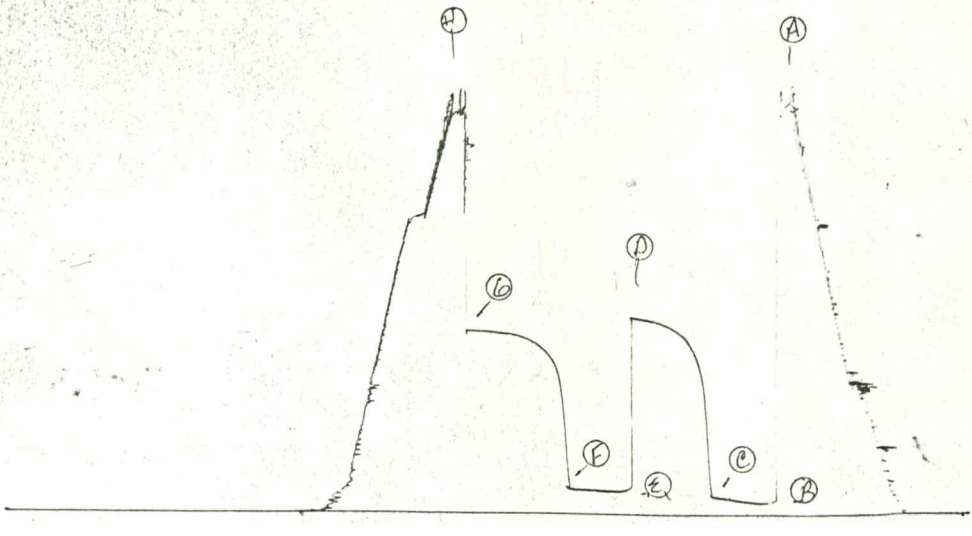

Ticket 7409
1051 DST#6

Kt # 7409

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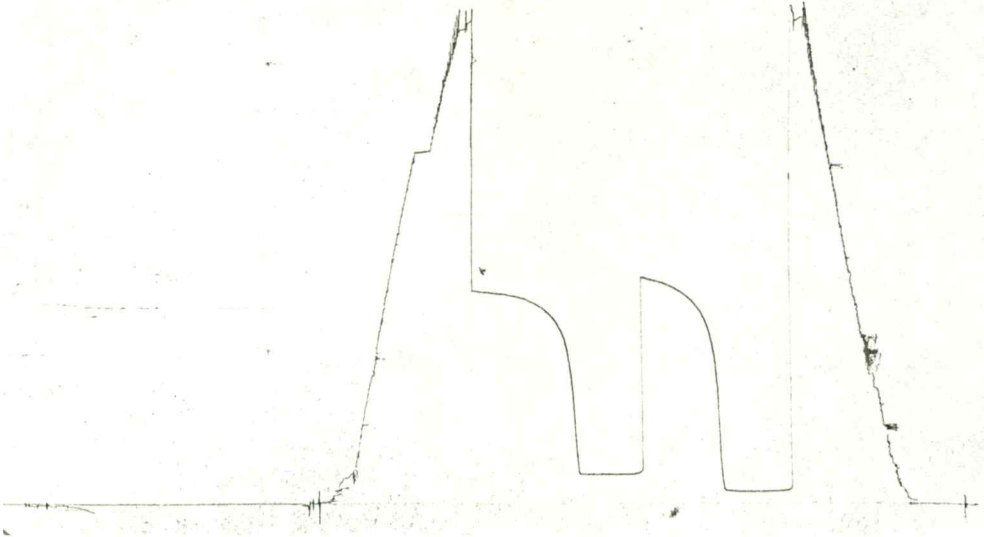

FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company VINCENT OIL CORPORATION Lease and Well No. #1 "B" UNRUH Sec. 26 Twp. 29S Rge. 19W Test No. 7 Date 11/29/8

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/29/84 TICKET #7410
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 7 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

INTERVAL TEST FROM: 5096 FT TO: 5115 FT TOTAL DEPTH: 5172 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 5091 FT SIZE: 6 5/8 IN PACKER DEPTH: 5096 FT SIZE: 6 5/8 IN
PACKER DEPTH: 5115 FT SIZE: 6 5/8 IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE DRLG
MUD TYPE: CHEM-PRE VISCOSITY: 44
WEIGHT: 9.5 WATER LOSS (CC): 24.2
CHLORIDES (P.P.M.): 39000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 240 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4836 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 19 FT SIZE: 5 1/2 IN
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:

RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: 57' TAIL PIPE (31' DRILL PIPE; 26' PERFS).
MISRUN. COULD NOT GET A PACKER SEAT.

TIME SET PACKER(S): 12:05 PM TIME STARTED OFF BOTTOM:
WELL TEMPERATURE: 0 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2683 PSI
INITIAL FLOW PERIOD MIN: 0 (B) 0 PSI TO (C) 0 PSI
INITIAL CLOSED IN PERIOD MIN: 0 (D) 0 PSI
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI
FINAL HYDROSTATIC PRESSURE (H) 2683 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 11/29/84 TICKET #7410
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 7 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #6074 RANGE: 5100 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2683 PSI
(B) FIRST INITIAL FLOW PRESSURE: 0 PSI
(C) FIRST FINAL FLOW PRESSURE: 0 PSI
(D) INITIAL CLOSED-IN PRESSURE: 0 PSI
(E) SECOND INITIAL FLOW PRESSURE: 0 PSI
(F) SECOND FINAL FLOW PRESSURE: 0 PSI
(G) FINAL CLOSED-IN PRESSURE: 0 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2683 PSI
WELL TEMPERATURE: 0 'F
OPEN TOOL: 12:05 PM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	MIN	0 MIN
INITIAL CLOSED-IN PRESSURE:	MIN	0 MIN
SECOND FLOW PRESSURE:	MIN	0 MIN
FINAL CLOSED-IN PRESSURE:	MIN	0 MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	0	0	0	0	0	0	0
2								
3								
4								
5								
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8								
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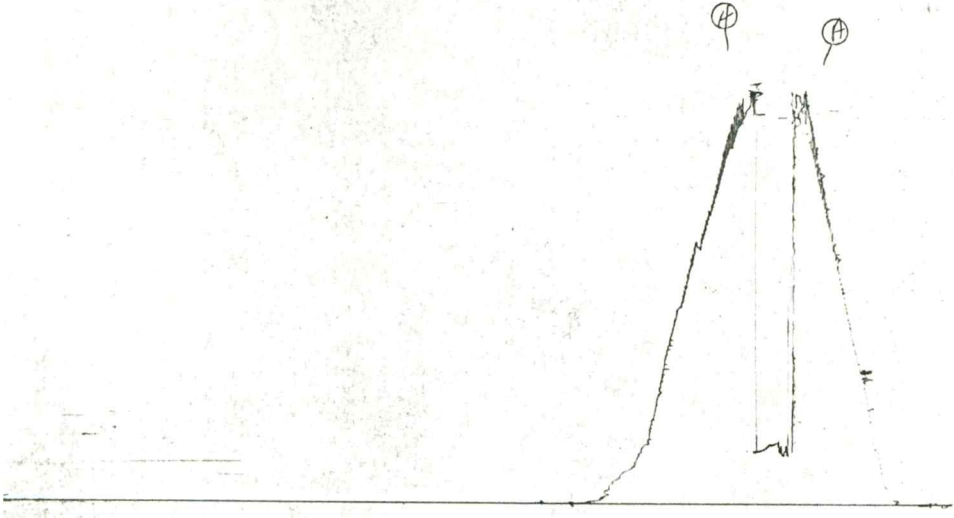

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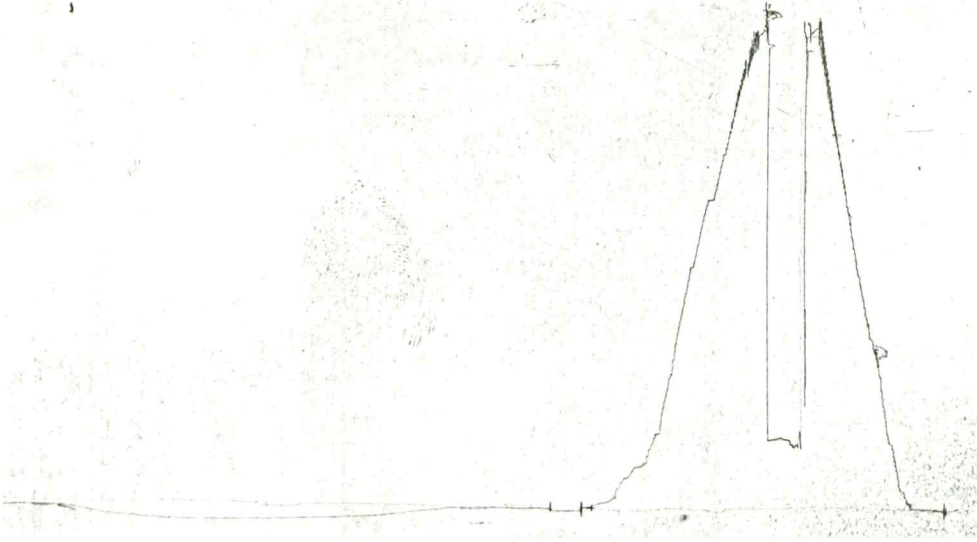
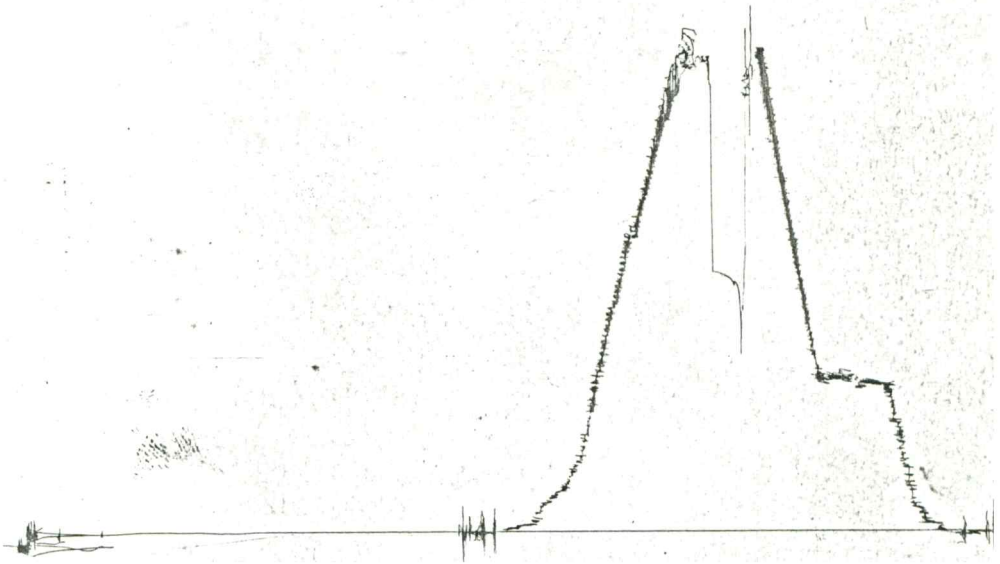


IKI # 7410

Below Straddle



FORMATION TEST REPORT

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company VINCENT OIL CORPORATION Lease and Well No. #1 "B" UNRUH Sec. 26 Twp. 29S Rge. 19W Test No. 8 Date 11/29/

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/29/84 TICKET #7411
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 8 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #1051 RANGE: 4100 CLOCK: 12

INTERVAL TEST FROM: 5073 FT TO: 5115 FT TOTAL DEPTH: 5172 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 5068 FT SIZE: 6 5/8 IN PACKER DEPTH: 5073 FT SIZE: 6 5/8 IN
PACKER DEPTH: 5115 FT SIZE: 6 5/8 IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHEATSTATE DRLG
MUD TYPE: CHEM-PRE VISCOSITY: 44
WEIGHT: 9.5 WATER LOSS (CC): 24.2
CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: 240 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4813 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 42 FT SIZE: 5 1/2 IN
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: STRONG BLOW THROUGHOUT TEST. GAS
TO SURFACE IN 13 MINUTES. SEE
ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 275 FT OF: GASSY DRILLING MUD. CHLORIDES 32000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: READ OUTSIDE CHART. CLOCK STOPPED
ON INSIDE CHART. 57 FEET OF TAIL PIPE.

TIME SET PACKER(S): 12:35 AM TIME STARTED OFF BOTTOM: 7:05 AM
WELL TEMPERATURE: 127 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2652	PSI	
INITIAL FLOW PERIOD	MIN: 75	(B) 116	PSI TO (C) 145	PSI
INITIAL CLOSED IN PERIOD	MIN: 81	(D) 1303	PSI	
FINAL FLOW PERIOD	MIN: 115	(E) 130	PSI TO (F) 130	PSI
FINAL CLOSED IN PERIOD	MIN: 126	(G) 1158	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2598	PSI	

WESTERN TESTING CO. INC.

PRESSURE DATA

DATE: 11/29/84 TICKET #7411
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 8 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #1051 RANGE: 4100 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2652 PSI
(B) FIRST INITIAL FLOW PRESSURE: 116 PSI
(C) FIRST FINAL FLOW PRESSURE: 145 PSI
(D) INITIAL CLOSED-IN PRESSURE: 1303 PSI
(E) SECOND INITIAL FLOW PRESSURE: 130 PSI
(F) SECOND FINAL FLOW PRESSURE: 130 PSI
(G) FINAL CLOSED-IN PRESSURE: 1158 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2598 PSI
WELL TEMPERATURE: 127 'F
OPEN TOOL: 12:35 AM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	75	MIN	75	MIN
INITIAL CLOSED-IN PRESSURE:	75	MIN	81	MIN
SECOND FLOW PRESSURE:	120	MIN	115	MIN
FINAL CLOSED-IN PRESSURE:	120	MIN	126	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	116	0	145	0	130	0	130
2	5	116	3	847	5	130	3	583
3	10	116	6	1116	10	130	6	921
4	15	116	9	1227	15	130	9	1049
5	20	116	12	1267	20	130	12	1084
6	25	116	15	1285	25	130	15	1100
7	30	116	18	1293	30	130	18	1109
8	35	119	21	1299	35	130	21	1113
9	40	122	24	1301	40	130	24	1116
10	45	126	27	1302	45	130	27	1119
11	50	128	30	1303	50	130	30	1122
12	55	133	33	1303	55	130	33	1124
13	60	138	36	1303	60	130	36	1126
14	65	142	39	1303	65	130	39	1128
15	70	144	42	1303	70	130	42	1130
16	75	145	45	1303	75	130	45	1132
17			48	1303	80	130	48	1134
18			51	1303	85	130	51	1136
19			54	1303	90	130	54	1138
20			57	1303	95	130	57	1140
21			60	1303	100	130	60	1141
22			63	1303	105	130	63	1142
23			66	1303	110	130	66	1143
24			69	1303	115	130	69	1144
25			72	1303			72	1145
26			75	1303			75	1146
27			78	1303			78	1147
28			81	1303			81	1148
29							84	1149
30							87	1150

PRESSURE BREAKDOWN - CONT.. TICKET #7411

PT	FIRST FLOW MIN	FIRST FLOW PRESSURE	INITIAL SHUT-IN MIN	INITIAL SHUT-IN PRESSURE	SECOND FLOW MIN	SECOND FLOW PRESSURE	FINAL SHUT-IN MIN	FINAL SHUT-IN PRESSURE
31							90	1151
32							93	1152
33							96	1153
34							99	1154
35							102	1154
36							105	1155
37							108	1155
38							111	1156
39							114	1156
40							117	1157
41							120	1157
42							123	1158
43							126	1158
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 11/29/84 TICKET #7411
CUSTOMER: VINCENT OIL CORPORATION LEASE: "B" UNRUH
WELL: 1 TEST: 8 GEOLOGIST: SCHMALTZ
ELEVATION (KB): 2073 FORMATION: MISSISSIPPI
SECTION: 26 TOWNSHIP: 29S
RANGE: 19W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #1051 RANGE: 4100 CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
		PRE FLOW		
15	MERLA	1/2	3 PSIG	59200 CFPD
20			5	78100
25			7	94500
30			10	116000
35			12	129000
40			14	141000
45			16	153000
50			18	166000
55			19	171000
60			20	177000
65			21	183000
70			22	189000
75			23	193000
		SECOND FLOW		
5	MERLA	1/2	17 PSIG	159000 CFPD
10			21	183000
15			25	205000
20			26	211000
25			26	211000
30			27	216000
35			28	222000
40			28	222000
45			29	226000
50			29	226000
55			29	226000
60			30	231000
65			30	231000
70			30	231000
75			30	231000
80			31	237000
85			31	237000
90			31	237000
95			31	237000
100			31	237000
105			31	237000
110			31	237000
115			31	237000
120			31	237000

GAS BOTTLE SN #:
DATE BOTTLE FILLED:

Gas Production

B.T. Gauge Numbers			1051	Ticket Number	7411
Initial Hydrostatic		Time	Pressure 2652	Elevation	2073 K.B. ft.
Final Hydrostatic			2598	Production Rate — Intial	193 m cu. ft.
1st Flow	Initial	— — — —	116	Production Rate — Final	237 m cu. ft.
	Final	75	145	Hole Size	7.875 in.
Initial Closed In Pressure		81	1303	Footage Tested	42 ft.
2nd Flow	Initial	— — — —	130	Mud Weight	9.5 lbs. gal.
	Final	115	130	Gas Viscosity	cp
Final Closed In Pressure		126	1158	Gas Gravity	—
Extropolated Static Pressure	Initial		1336 - 1277	Gas Compressibility	—
	Final		1185 - 1088		
Slope Psi²/cycle	Initial		58.887		
	Final		96.341		

Remarks:

SUMMARY

Product	Equation	BT Gauge Number Depth — Initial	Final	Units
Transmissability	$\frac{Kh}{\mu} = \frac{1637\ Q_s\ ZT}{m}$	986.430	846.989	$\frac{md.\ ft.}{cp}$
Theoretical Flow Capacity	$Kh = \frac{Kh}{\mu}\ \mu$	17.755	15.245	md. ft.
Average Effective	$K = \frac{Kh}{h}$	2.959	2.540	md.
Permeability	$K_1 = \frac{Kh}{h_1}$	--------	-------	md.
Indicated Flow Capacity	$(Kh)_s = \frac{3200\ Q_s\ \mu\ ZT\ Log(0.472\ b/r_w)}{P_s^2 - P_r^2}$	4.122	6.725	md. ft.
Damage Ratio	$DR = \frac{\text{Theo. Flow Cap}}{\text{Indicated Flow Cap}}\ \frac{Kh}{(Kh)_s}$	9.158	2.267	—
Indicated	$OF_1 = \frac{Q_s\ \ P_s^2}{P_s^2 - P_r^2}$	195,300	239,887	MCFD
Flow Rate		194,146	238,439	MCFD
Theoretical	$OF_3 = OF_1\ DR$ Max.	1,788,691	543,831	MCFD
Potential Rate	$OF_4 = OF_2\ DR$ Min.	1,778,125	540,548	MCFD
Approx. Radius of Investigation	$b \approx \sqrt{Kt}$ or $\sqrt{Kt_0}$	14.897	17,094	ft.
	$b_1 \approx \sqrt{K_1 t}$ or $\sqrt{K_1 t_0}$	---------	-------	ft.
Potentiometric Surface *	$Pot. = (El - GD) + (2.319\ Ps)$	96.184	253.985	ft.

NOTICE: These calculations are based upon information furnished by you and taken from Drill Stem Tests pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Western Testing Co., Inc., is merely expressing its opinion. You agree that Western Testing Co., Inc., make no warranty express or implied as to the accuracy of such calculations or opinions, and that Western Testing Co., Inc., shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

Ticket # 7411 6074 DST #8

IKT # 7411

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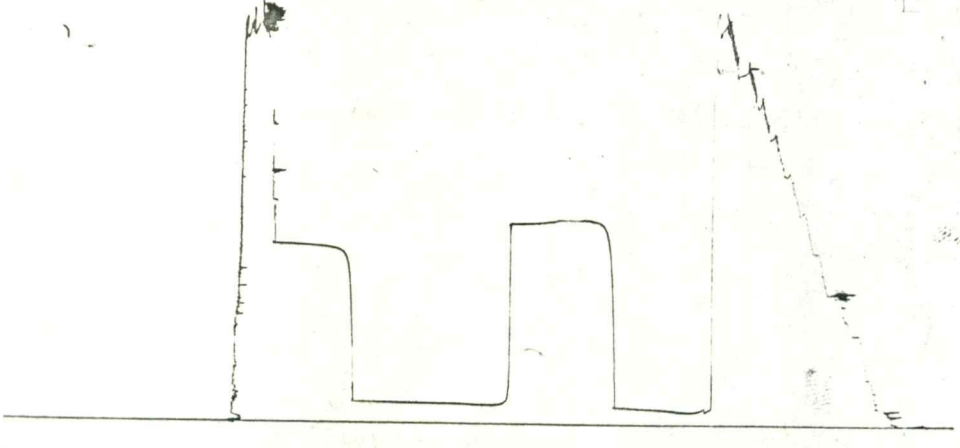
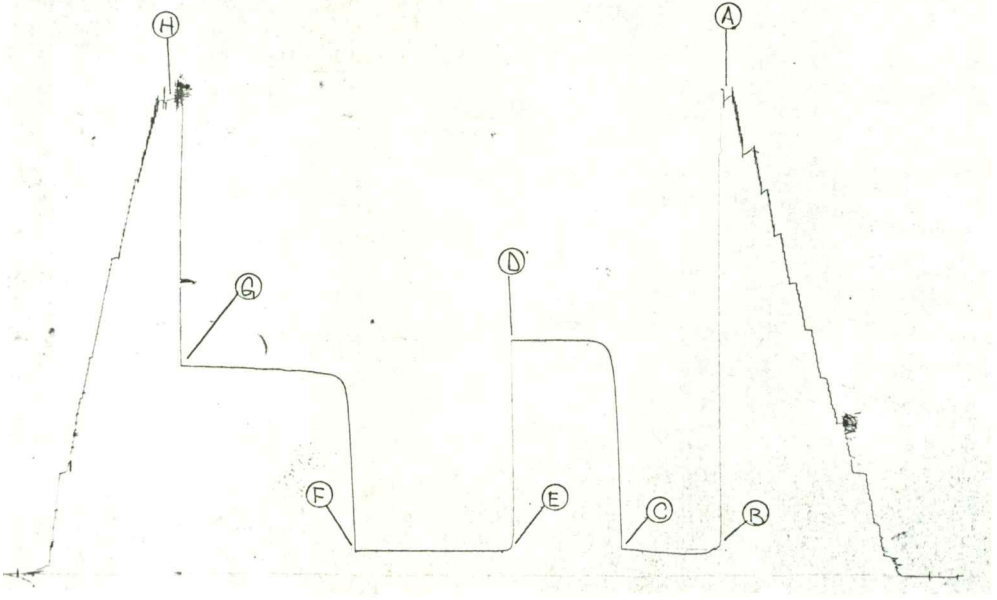


IKT # 7411



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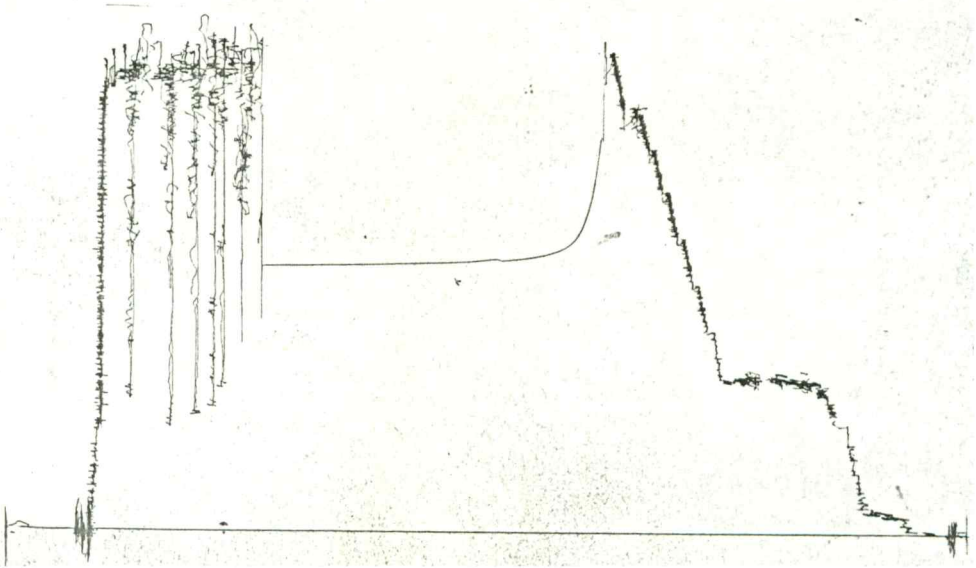
Below Straddle