



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 19843

P. O. BOX 1599
WICHITA, KANSAS 67201

PHONE (316) 262-5861

Elevation 11224B Formation Parnett & Scott Eff. Pay Ft.

District Augusta Date 7-12-93 Customer Order No.

COMPANY NAME Range Oil Co

ADDRESS 125 N Market Suite 1120 Wichita KS 67202

LEASE AND WELL NO Walker #2 COUNTY Elk STATE KS Sec 34 Twp 31 Rge 10E

Mail Invoice To Same Co. Name #2 Walker Address No. Copies Requested 1

Mail Charts To Same #2 Walker Address No. Copies Requested 5

Formation Test No DST #1 Interval Tested From 1629 ft. to 1688 ft. Total Depth 1688 ft.

Packer Depth 1629 ft. Size 638 in. Packer Depth - ft. Size - in.

Packer Depth 1629 ft. Size 638 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 1682 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 1685 ft. Recorder Number 3354 Cap. 4700

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

Drilling Contractor Shae Rgt Drill Collar Length 360 I. D. 2.25 in.

Mud Type Chem Viscosity 47 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 11.6 cc. Drill Pipe Length 1249 I. D. 3.8 in.

Chlorides 1200 P.P.M. Test Tool Length 20 ft. Tool Size 5/8 in.

Jars: Make - Serial Number - Anchor Length 59 ft. Size 5/8 in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 in.

Blow: Weak below 5' into basket on (FPP) Bottom of basket lost the main on (FPP)

Recovered 720 ft. of 940 in pipe

Recovered 150 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks:

JUL 26 1993

Time On Location 5:00 A.M. Time Pick Up Tool 6:00 P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 700 A.M. Time Started Off Bottom 10:00 P.M. Maximum Temperature 95°F

Initial Hydrostatic Pressure (A) 845 P.S.I.

Initial Flow Period Minutes 30 (B) 65 P.S.I. to (C) 85 P.S.I.

Initial Closed In Period Minutes 30 (D) 335 P.S.I.

Final Flow Period Minutes 60 (E) 95 P.S.I. to (F) 105 P.S.I.

Final Closed In Period Minutes 60 (G) 385 P.S.I.

Final Hydrostatic Pressure (H) 835 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By

Signature of Customer or his authorized representative

Western Representative

FIELD INVOICE

Open Hole Test	\$
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
Telecopier	\$
TOTAL	\$

WESTERN TESTING CO., INC.

Pressure Data

Date 7-12-92 Test Ticket No. 19842
 Recorder No. 10979 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

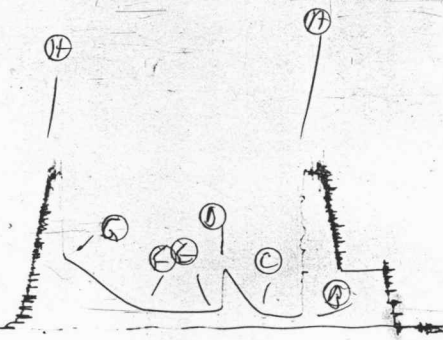
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>840</u> P.S.I.	Open Tool	M	
B First Initial Flow Pressure	<u>58</u> P.S.I.	First Flow Pressure	Mins. <u>30</u>	Mins.
C First Final Flow Pressure	<u>72</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>30</u>	Mins.
D Initial Closed-in Pressure	<u>316</u> P.S.I.	Second Flow Pressure	Mins. <u>60</u>	Mins.
E Second Initial Flow Pressure	<u>88</u> P.S.I.	Final Closed-in Pressure	Mins. <u>57</u>	Mins.
F Second Final Flow Pressure	<u>78</u> P.S.I.			
G Final Closed-in Pressure	<u>321</u> P.S.I.			
H Final Hydrostatic Mud	<u>827</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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 0	<u>58</u>	0	<u>22</u>	0	<u>88</u>	0	<u>78</u>
P 2 5	<u>5</u>	3	<u>87</u>	5	<u>2</u>	3	<u>71</u>
P 3 10	<u>58</u>	6	<u>108</u>	10	<u>2</u>	6	<u>118</u>
P 4 15	<u>59</u>	9	<u>131</u>	15	<u>88</u>	9	<u>148</u>
P 5 20	<u>60</u>	12	<u>158</u>	20	<u>2</u>	12	<u>159</u>
P 6 25	<u>68</u>	15	<u>185</u>	25	<u>2</u>	15	<u>152</u>
P 7 30	<u>72</u>	18	<u>219</u>	30	<u>88</u>	18	<u>166</u>
P 8 35		21	<u>246</u>	35	<u>89</u>	21	<u>185</u>
P 9 40		24	<u>277</u>	40	<u>90</u>	24	<u>198</u>
P10 45		27	<u>309</u>	45	<u>91</u>	27	<u>217</u>
P11 50		30	<u>316</u>	50	<u>93</u>	30	<u>231</u>
P12 55		33		55	<u>95</u>	33	<u>251</u>
P13 60		36		60	<u>98</u>	36	<u>272</u>
P14 65		39		65		39	<u>287</u>
P15 70		42		70		42	<u>301</u>
P16 75		45		75		45	<u>319</u>
P17 80		48		80		48	<u>335</u>
P18 85		51		85		51	<u>347</u>
P19 90		54		90		54	<u>358</u>
P20 95		57		95		57	<u>371</u>
100		60		100		60	

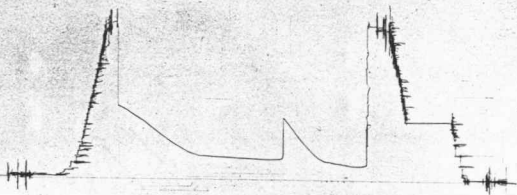
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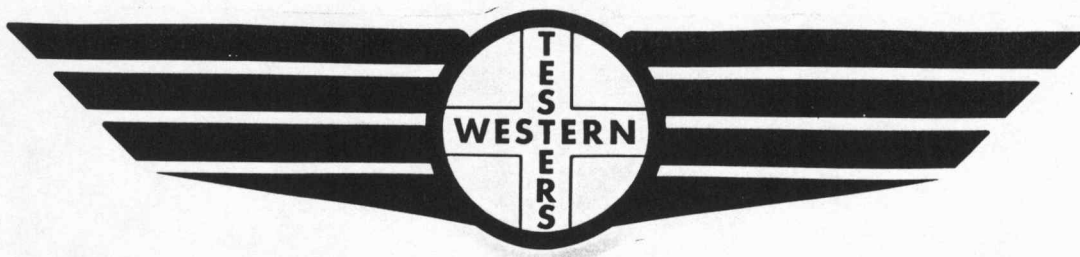


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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 7/12/93
CUSTOMER : RANGE OIL COMPANY, INC.
WELL : #2 TEST: 1
ELEVATION: 1122 KB
SECTION : 34
RANGE : 10E COUNTY: ELK
GAUGE SN#: 10979 RANGE : 4100

TICKET : 19843
LEASE : WALKER G
GEOLOGIST: BLAIR
FORMATION: PAWNEE-FT SCOTT
TOWNSHIP : 31S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 1629.00 ft TO: 1688.00 ft TVD: 1688.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 1682.0 ft 1685.0 ft
TEMPERATURE: 95.0

DRILL COLLAR LENGTH:	360.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	1249.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	59.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5FH
PACKER DEPTH:	1624.0 ft	SIZE:	6.630 in
PACKER DEPTH:	1629.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : GLAVES RIG 1
MUD TYPE : CHEMICAL
WEIGHT : 9.500 ppg
CHLORIDES : 1200 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 47.00 cp
WATER LOSS: 11.600 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - 5 INCHES INTO
BUCKET. FINAL FLOW PERIOD BOTTOM OF BUCKET IN
LESS THAN A MINUTE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	720 FT GAS ABOVE FLUID
150.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.7376	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.7376	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 845.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	65.00	85.00
INITIAL SHUT-IN	30.00		335.00
FINAL FLOW	60.00	95.00	105.00
FINAL SHUT-IN	60.00		385.00

FINAL HYDROSTATIC PRESSURE: 835.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 840.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	73.00
INITIAL SHUT-IN	30.00		316.00
FINAL FLOW	60.00	88.00	98.00
FINAL SHUT-IN	57.00		371.00

FINAL HYDROSTATIC PRESSURE: 827.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/12/93	TICKET : 19843
CUSTOMER : RANGE OIL COMPANY, INC.	LEASE : WALKER G
WELL : #2	TEST: 1
ELEVATION: 1122 KB	GEOLOGIST: BLAIR
SECTION : 34	FORMATION: PAWNEE-FT SCOTT
RANGE : 10E	TOWNSHIP : 31S
COUNTY: ELK	STATE : KS
GAUGE SN#: 10979	RANGE : 4100
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	58.00	58.00
5.00	58.00	0.00
10.00	58.00	0.00
15.00	59.00	1.00
20.00	63.00	4.00
25.00	68.00	5.00
30.00	73.00	5.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	87.00	87.00	0.00
6.00	108.00	21.00	0.00
9.00	131.00	23.00	0.00
12.00	158.00	27.00	0.00
15.00	185.00	27.00	0.00
18.00	219.00	34.00	0.00
21.00	246.00	27.00	0.00
24.00	279.00	33.00	0.00
27.00	309.00	30.00	0.00
30.00	316.00	7.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	88.00	88.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	88.00	0.00
10.00	88.00	0.00
15.00	88.00	0.00
20.00	88.00	0.00
25.00	88.00	0.00
30.00	88.00	0.00
35.00	89.00	1.00
40.00	90.00	1.00
45.00	91.00	1.00
50.00	93.00	2.00
55.00	95.00	2.00
60.00	98.00	3.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	111.00	111.00	0.00
6.00	118.00	7.00	0.00
9.00	128.00	10.00	0.00
12.00	139.00	11.00	0.00
15.00	152.00	13.00	0.00
18.00	166.00	14.00	0.00
21.00	185.00	19.00	0.00
24.00	198.00	13.00	0.00
27.00	217.00	19.00	0.00
30.00	231.00	14.00	0.00
33.00	251.00	20.00	0.00
36.00	272.00	21.00	0.00
39.00	287.00	15.00	0.00
42.00	301.00	14.00	0.00
45.00	319.00	18.00	0.00
48.00	335.00	16.00	0.00
51.00	347.00	12.00	0.00
54.00	358.00	11.00	0.00
57.00	371.00	13.00	0.00



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N° 19844

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201Elevation 1122 KB Formation Miss Eff. Pay _____ Ft.District Augusta Date 7-14-93 Customer Order No. _____COMPANY NAME Range Oil CoADDRESS 125 N Market Suite 1120 Wichita KS 67202LEASE AND WELL NO. Walker #2 COUNTY Elk STATE KS Sec. 34 Twp. 31 Rge. 10EMail Invoice To Smith No. Copies Requested 1Co. Name WALKER G Address _____Mail Charts To Same No. Copies Requested 5

Address _____

Formation Test No. DST#2 Interval Tested From 2004 ft. to 2046 ft. Total Depth 2046 ft.Packer Depth 1999 ft. Size 658 in. Packer Depth _____ ft. Size _____ in.Packer Depth 2004 ft. Size 658 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2040 ft. Recorder Number 10979 Cap. 4100Bottom Recorder Depth (Outside) 2043 ft. Recorder Number 3354 Cap. 4200

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

Drilling Contractor Slaves Rig 1 Drill Collar Length 360 I. D. 225 in.Mud Type Chem Viscosity 55 Weight Pipe Length _____ I. D. _____ in.Weight 9.7 Water Loss 12.0 cc. Drill Pipe Length 1624 I. D. 3.8 in.Chlorides 1400 P.P.M. Test Tool Length 20 ft. Tool Size 5/200 in.Jars: Make _____ Serial Number _____ Anchor Length 42 ft. Size 5/200 in.Did Well Flow? _____ Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.Main Hole Size 7/8 in. Tool Joint Size 1 1/2 FH in.Blow: Work to string below on (EFP) Bottom of bucket in (Rover)Recovered 80 ft. of gas in pipeRecovered 10 ft. of drilling mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

JUL 26 1993

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: _____

Time On Location Stand by A.M. Time Pick Up Tool 4:00 A.M. Time Off Location _____ A.M.Time Set Packer(s) 5:00 P.M. Time Started Off Bottom 8:00 P.M. Maximum Temperature 100°Initial Hydrostatic Pressure _____ (A) 1046 P.S.I.Initial Flow Period _____ Minutes 30 (B) 40 P.S.I. to (C) 30 P.S.I.Initial Closed In Period _____ Minutes 30 (D) 75 P.S.I.Final Flow Period _____ Minutes 60 (E) 30 P.S.I. to (F) 30 P.S.I.Final Closed In Period _____ Minutes 60 (G) 85 P.S.I.Final Hydrostatic Pressure _____ (H) 1030 P.S.I.

COMPANY TERMS

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All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By _____

Signature of Customer or his authorized representative

Western Representative Jerry A Pittman

FIELD INVOICE

Open Hole Test	\$
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
Telecopier	\$
TOTAL	\$

WESTERN TESTING CO., INC.

Pressure Data

Date 7-14-92 Test Ticket No. 19844
 Recorder No. 10979 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

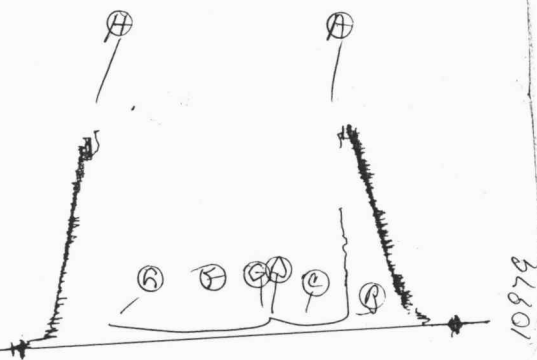
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1045</u> P.S.I.	Open Tool	M	
B First Initial Flow Pressure	<u>45</u> P.S.I.	First Flow Pressure	Mins. <u>30</u>	Mins.
C First Final Flow Pressure	<u>45</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>30</u>	Mins.
D Initial Closed-in Pressure	<u>92</u> P.S.I.	Second Flow Pressure	Mins. <u>60</u>	Mins.
E Second Initial Flow Pressure	<u>41</u> P.S.I.	Final Closed-in Pressure	Mins. <u>60</u>	Mins.
F Second Final Flow Pressure	<u>45</u> P.S.I.			
G Final Closed-in Pressure	<u>105</u> P.S.I.			
H Final Hydrostatic Mud	<u>1058</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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 0	<u>45</u>	0	<u>45</u>	0	<u>41</u>	0	<u>45</u>
P 2 5		3	<u>45</u>	5		3	<u>45</u>
P 3 10		6	<u>45</u>	10		6	<u>45</u>
P 4 15		9	<u>46</u>	15		9	<u>47</u>
P 5 20		12	<u>51</u>	20		12	<u>50</u>
P 6 25		15	<u>59</u>	25		15	<u>53</u>
P 7 30	<u>45</u>	18	<u>64</u>	30	<u>41</u>	18	<u>56</u>
P 8 35		21	<u>72</u>	35	<u>45</u>	21	<u>59</u>
P 9 40		24	<u>80</u>	40	<u>5</u>	24	<u>62</u>
P10 45		27	<u>85</u>	45	<u>45</u>	27	<u>65</u>
P11 50		30	<u>92</u>	50	<u>2</u>	30	<u>69</u>
P12 55		33		55	<u>2</u>	33	<u>75</u>
P13 60		36		60	<u>45</u>	36	<u>77</u>
P14 65		39		65		39	<u>80</u>
P15 70		42		70		42	<u>83</u>
P16 75		45		75		45	<u>86</u>
P17 80		48		80		48	<u>89</u>
P18 85		51		85		51	<u>93</u>
P19 90		54		90		54	<u>95</u>
P20 95		57		95		57	<u>99</u>
100		60		100		60	<u>103</u>

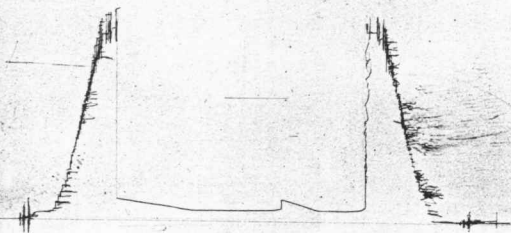
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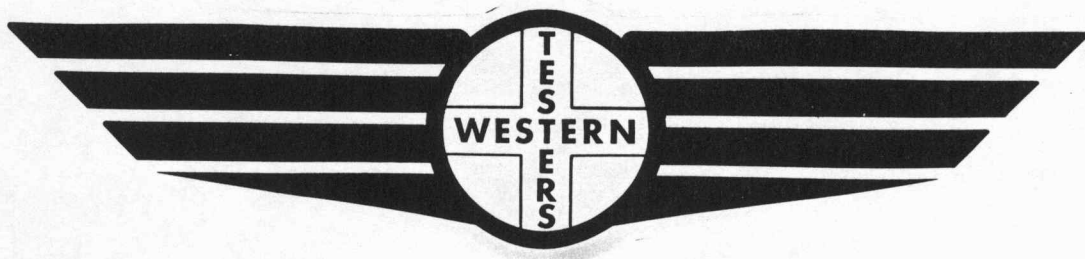


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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 7/14/93	TICKET	: 19844
CUSTOMER	: RANGE OIL COMPANY, INC.	LEASE	: WALKER G
WELL	: #2	TEST:	2
ELEVATION:	1122 KB	GEOLOGIST:	BLAIR
SECTION	: 34	FORMATION:	MISSISSIPPI
RANGE	: 10E	TOWNSHIP	: 31S
GAUGE SN#:	10979	STATE	: KS
		CLOCK	: 12
	COUNTY: ELK		
	RANGE : 4100		

WELL INFORMATION

PERFORATION INTERVAL FROM:	2004.00 ft	TO:	2046.00 ft	TVD:	2046.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	2040.0 ft		2043.0 ft		
TEMPERATURE:	100.0				
DRILL COLLAR LENGTH:	360.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	1624.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	42.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5FH	
PACKER DEPTH:	1999.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	2004.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	GLAVES RIG 1	VISCOSITY :	55.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	12.000 cc
WEIGHT :	9.700 ppg		
CHLORIDES :	1400 ppm	SERIAL NUMBER:	
JARS-MAKE :		REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK TO STRONG BLOW. BOTTOM
OF BUCKET IN 10 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	80 FT GAS ABOVE FLUID
10.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0492	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0492	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1040.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	40.00	30.00
INITIAL SHUT-IN	30.00		75.00
FINAL FLOW	60.00	30.00	30.00
FINAL SHUT-IN	60.00		85.00

FINAL HYDROSTATIC PRESSURE: 1030.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1043.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	42.00	42.00
INITIAL SHUT-IN	30.00		92.00
FINAL FLOW	60.00	41.00	42.00
FINAL SHUT-IN	60.00		103.00

FINAL HYDROSTATIC PRESSURE: 1038.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/14/93	TICKET	: 19844
CUSTOMER	: RANGE OIL COMPANY, INC.	LEASE	: WALKER G
WELL	: #2	TEST:	2
ELEVATION:	1122 KB	GEOLOGIST:	BLAIR
SECTION	: 34	FORMATION:	MISSISSIPPI
RANGE	: 10E	TOWNSHIP	: 31S
GAUGE SN#:	10979	STATE	: KS
		CLOCK	: 12
	COUNTY: ELK		
	RANGE : 4100		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	42.00	42.00
5.00	42.00	0.00
10.00	42.00	0.00
15.00	42.00	0.00
20.00	42.00	0.00
25.00	42.00	0.00
30.00	42.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	42.00	42.00	0.00
6.00	43.00	1.00	0.00
9.00	46.00	3.00	0.00
12.00	51.00	5.00	0.00
15.00	59.00	8.00	0.00
18.00	64.00	5.00	0.00
21.00	73.00	9.00	0.00
24.00	80.00	7.00	0.00
27.00	85.00	5.00	0.00
30.00	92.00	7.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	41.00	41.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	41.00	0.00
10.00	41.00	0.00
15.00	41.00	0.00
20.00	41.00	0.00
25.00	41.00	0.00
30.00	41.00	0.00
35.00	42.00	1.00
40.00	42.00	0.00
45.00	42.00	0.00
50.00	42.00	0.00
55.00	42.00	0.00
60.00	42.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	43.00	43.00	0.00
6.00	45.00	2.00	0.00
9.00	47.00	2.00	0.00
12.00	50.00	3.00	0.00
15.00	53.00	3.00	0.00
18.00	56.00	3.00	0.00
21.00	59.00	3.00	0.00
24.00	62.00	3.00	0.00
27.00	65.00	3.00	0.00
30.00	69.00	4.00	0.00
33.00	73.00	4.00	0.00
36.00	77.00	4.00	0.00
39.00	80.00	3.00	0.00
42.00	83.00	3.00	0.00
45.00	86.00	3.00	0.00
48.00	89.00	3.00	0.00
51.00	92.00	3.00	0.00
54.00	95.00	3.00	0.00
57.00	99.00	4.00	0.00
60.00	103.00	4.00	0.00