



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 19761

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

Elevation 1384 GL Formation Admire Eff. Pay Ft.

District Augusta Date 11-3-93 Customer Order No.

COMPANY NAME Oxy USA INC

ADDRESS 110 S. main #800 Wichita, Ks. 67202

LEASE AND WELL NO Chesney A #229 COUNTY Butler STATE KS Sec. 21 Twp. 25 Rge. 5E

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

Mail Charts To #229 Chesney A Address No. Copies Requested

Formation Test No. 1 Interval Tested From 602 ft. to 630 ft. Total Depth 630 ft.

Packer Depth 602 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 605 ft. Recorder Number 13548 Cap. 4075

Bottom Recorder Depth (Outside) 630 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Allen #2 Drill Collar Length 325 I. D. 2 1/4 in.

Mud Type Chem Viscosity 40 Weight Pipe Length I. D. in.

Weight 8.9 Water Loss NC cc. Drill Pipe Length 252 I. D. 3.8 in.

Chlorides NC P.P.M. Test Tool Length 25 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 460 Anchor Length 28 ft. Size 5 1/2 in.

Did Well Flow? Reversed Out 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: Weak Steady increase to Btm of Bucket

IN 7 minutes - 2ND Flow OFF Btm IN 12 minutes

Recovered 135 ft. of Salt wtr Few oil specks in Tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 5,000 P.P.M. Sample Jars used Remarks:

Time On Location 8:15 A.M. P.M. Time Pick Up Tool 9:15 A.M. P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 10:15 A.M. P.M. Time Started Off Bottom 12:45 A.M. P.M. Maximum Temperature 84°

Initial Hydrostatic Pressure (A) 273 P.S.I.

Initial Flow Period Minutes 15 (B) 111 P.S.I. to (C) 80 P.S.I.

Initial Closed In Period Minutes 30 (D) 91 P.S.I.

Final Flow Period Minutes 45 (E) 80 P.S.I. to (F) 80 P.S.I.

Final Closed In Period Minutes 60 (G) 91 P.S.I.

Final Hydrostatic Pressure (H) 303 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 Danell H White Signature of Customer or his authorized representative

Western Representative Stuart Stover

Thanks!

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test \$600.00, Misrun \$, Straddle Test \$, Jars \$225.00, Selective Zone \$, Safety Joint \$25.00, Standby \$, Evaluation \$, Extra Packer \$, Circ. Sub. \$, Mileage \$, Fluid Sampler \$, Extra Charts \$, Insurance \$, Telecopier \$, TOTAL \$850.00

WESTERN TESTING CO., INC.
Pressure Data

Date 11-2-92 Test Ticket No. 19761
 Recorder No. 5548 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

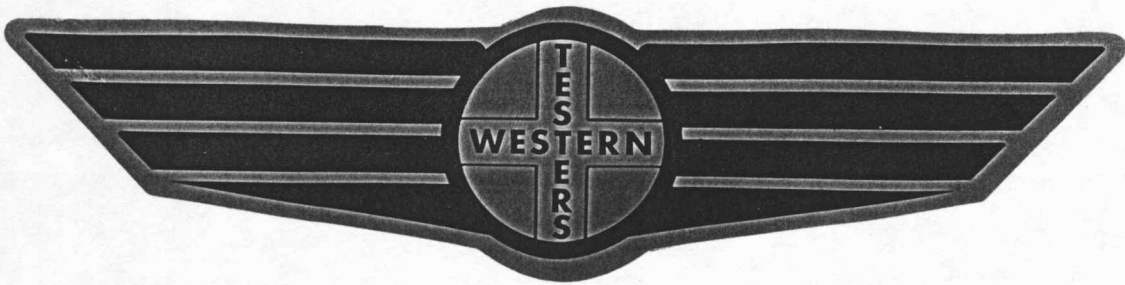
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>272</u> P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final Hydrostatic Mud	<u>272</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>102</u>	0	<u>86</u>	0	<u>84</u>	0	<u>84</u>
P 2 5	<u>102</u>	3	<u>87</u>	5	<u>84</u>	3	<u>84</u>
P 3 10	<u>91</u>	6	<u>87</u>	10	<u>84</u>	6	<u>84</u>
P 4 15	<u>86</u>	9	<u>87</u>	15	<u>84</u>	9	<u>84</u>
P 5 20	<u>86</u>	12	<u>87</u>	20	<u>84</u>	12	<u>84</u>
P 6 25	<u>86</u>	15	<u>86</u>	25	<u>84</u>	15	<u>84</u>
P 7 30	<u>86</u>	18	<u>87</u>	30	<u>84</u>	18	<u>85</u>
P 8 35	<u>86</u>	21	<u>87</u>	35	<u>84</u>	21	<u>85</u>
P 9 40	<u>86</u>	24	<u>88</u>	40	<u>84</u>	24	<u>85</u>
P10 45	<u>86</u>	27	<u>89</u>	45	<u>84</u>	27	<u>86</u>
P11 50	<u>86</u>	30	<u>90</u>	50	<u>84</u>	30	<u>86</u>
P12 55	<u>86</u>	33	<u>90</u>	55	<u>84</u>	33	<u>86</u>
P13 60	<u>86</u>	36	<u>90</u>	60	<u>84</u>	36	<u>86</u>
P14 65	<u>86</u>	39	<u>90</u>	65	<u>84</u>	39	<u>86</u>
P15 70	<u>86</u>	42	<u>90</u>	70	<u>84</u>	42	<u>86</u>
P16 75	<u>86</u>	45	<u>90</u>	75	<u>84</u>	45	<u>86</u>
P17 80	<u>86</u>	48	<u>90</u>	80	<u>84</u>	48	<u>86</u>
P18 85	<u>86</u>	51	<u>90</u>	85	<u>84</u>	51	<u>86</u>
P19 90	<u>86</u>	54	<u>90</u>	90	<u>84</u>	54	<u>86</u>
P20 95	<u>86</u>	57	<u>90</u>	95	<u>84</u>	57	<u>86</u>
100	<u>86</u>	60	<u>90</u>	100	<u>84</u>	60	<u>86</u>

65
64
69

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

COMPANY OXY USA, INC.

LEASE & WELL NO.

#229 CHESNEY A

SEC. 21

TWP.

25S RGE.

5E

TEST NO.

1

DATE

11/3/93

DST REPORT

GENERAL INFORMATION

DATE	: 11/3/93	TICKET	: 19761
CUSTOMER	: OXY USA, INC.	LEASE	: CHESNEY A
WELL	: #229	TEST: 1	GEOLOGIST: WHITE
ELEVATION	: 1384 GL	FORMATION	: ADMIRE
SECTION	: 21	TOWNSHIP	: 25S
RANGE	: 5E	COUNTY: BUTLER	STATE : KS
GAUGE SN#	: 13548	RANGE : 4075	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	602.00 ft	TO:	630.00 ft	TVD:	630.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: OIL				
DEPTH OF RECORDERS:	605.0 ft	630.0 ft			
TEMPERATURE:	84.0				
DRILL COLLAR LENGTH:	325.0 ft	I.D.:	2.250 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	252.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	25.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	28.0 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 :	4.5XH		
PACKER DEPTH:	602.0 ft	SIZE:	6.750 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON. :	ALLEN RIG 2	VISCOSITY :	40.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	0.000 cc
WEIGHT :	8.900 ppg	SERIAL NUMBER:	460
CHLORIDES :	0 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK STEADY BLOW - INCREASED
TO BOTTOM OF BUCKET IN 7 MINUTES. FINAL FLOW
PERIOD OFF BOTTOM IN 12 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
Oil	Gas	Water	Mud		
135.0	0.0	0.0	100.0	0.0	SALTWATER - FEW OIL
0.0	0.0	0.0	0.0	0.0	SPECKS IN TOOL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 5000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0000	STB	AVERAGE WATER RATE:	15.9326	STB/D
WATER VOLUME:	0.6639	STB			
TOTAL FLUID :	0.6639	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 273.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	111.00	80.00
INITIAL SHUT-IN	30.00		91.00
FINAL FLOW	45.00	80.00	80.00
FINAL SHUT-IN	60.00		91.00

FINAL HYDROSTATIC PRESSURE: 303.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 273.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	102.00	86.00
INITIAL SHUT-IN	36.00		90.00
FINAL FLOW	45.00	84.00	84.00
FINAL SHUT-IN	69.00		86.00

FINAL HYDROSTATIC PRESSURE: 273.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11/3/93	TICKET : 19761
CUSTOMER : OXY USA, INC.	LEASE : CHESNEY A
WELL : #229 TEST: 1	GEOLOGIST: WHITE
ELEVATION: 1384 GL	FORMATION: ADMIRE
SECTION : 21	TOWNSHIP : 25S
RANGE : 5E COUNTY: BUTLER	STATE : KS
GAUGE SN#: 13548 RANGE : 4075	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	102.00	102.00
5.00	102.00	0.00
10.00	91.00	-11.00
15.00	86.00	-5.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	86.00	86.00	0.00
6.00	86.00	0.00	0.00
9.00	86.00	0.00	0.00
12.00	86.00	0.00	0.00
15.00	86.00	0.00	0.00
18.00	87.00	1.00	0.00
21.00	87.00	0.00	0.00
24.00	88.00	1.00	0.00
27.00	89.00	1.00	0.00
30.00	90.00	1.00	0.00
33.00	90.00	0.00	0.00
36.00	90.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	84.00	84.00
5.00	84.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
10.00	84.00	0.00
15.00	84.00	0.00
20.00	84.00	0.00
25.00	84.00	0.00
30.00	84.00	0.00
35.00	84.00	0.00
40.00	84.00	0.00
45.00	84.00	0.00

FINAL SHUT IN

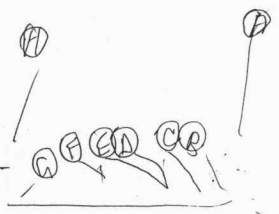
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	84.00	84.00	0.00
6.00	84.00	0.00	0.00
9.00	84.00	0.00	0.00
12.00	84.00	0.00	0.00
15.00	84.00	0.00	0.00
18.00	85.00	1.00	0.00
21.00	85.00	0.00	0.00
24.00	85.00	0.00	0.00
27.00	86.00	1.00	0.00
30.00	86.00	0.00	0.00
33.00	86.00	0.00	0.00
36.00	86.00	0.00	0.00
39.00	86.00	0.00	0.00
42.00	86.00	0.00	0.00
45.00	86.00	0.00	0.00
48.00	86.00	0.00	0.00
51.00	86.00	0.00	0.00
54.00	86.00	0.00	0.00
57.00	86.00	0.00	0.00
60.00	86.00	0.00	0.00
63.00	86.00	0.00	0.00
66.00	86.00	0.00	0.00
69.00	86.00	0.00	0.00

KT 19761

13548

19761

1



KT 19761

4339

19761

0





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 19762

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

Elevation 1384 GL Formation ORCAD Eff. Pay _____ Ft.

District Augusta Date 11-4-93 Customer Order No. _____

COMPANY NAME Oxy USA INC

ADDRESS 110 S MAIN #800 Wichita Ks 67202

LEASE AND WELL NO. Chesney A 229 COUNTY Butler STATE Ks Sec. 21 Twp. 25 Rge. 5E

Mail Invoice To _____ Co. Name _____ Address _____ No. Copies Requested _____

Mail Charts To #229 Chesney A Same Address _____ No. Copies Requested _____

Formation Test No. 2 Interval Tested From 1332 ft. to 1375 ft. Total Depth 1375 ft.

Packer Depth 1332 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 1335 ft. Recorder Number 4339 Cap. 4300

Bottom Recorder Depth (Outside) 1375 ft. Recorder Number 13548 Cap. 4075

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

Drilling Contractor Allen #2 Drill Collar Length 325 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 38 Weight Pipe Length _____ I. D. _____ in.

Weight 8.9 Water Loss 10.4 cc. Drill Pipe Length 982 I. D. 3.8 in.

Chlorides _____ P.P.M. Test Tool Length 25 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 460 Anchor Length 43 ft. Size 5 1/2 in.

Did Well Flow? - Reversed Out - 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: off Btm of Bucket in 4 minutes

2nd Flow - off bottom of bucket in 5 minutes

Recovered 150 ft. of Drlg mud & LCM

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 1,500 P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 2:15 A.M. Time Pick Up Tool 3:00 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 4:10 P.M. Time Started Off Bottom 6:35 P.M. Maximum Temperature 83°

Initial Hydrostatic Pressure _____ (A) 600 P.S.I.

Initial Flow Period _____ Minutes 15 (B) 68 P.S.I. to (C) 68 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 113 P.S.I.

Final Flow Period _____ Minutes 30 (E) 90 P.S.I. to (F) 90 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 113 P.S.I.

Final Hydrostatic Pressure _____ (H) 578 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 Stuart Stover
Signature of Customer or his authorized representative

Western Representative Stuart Stover

Thanks!

FIELD INVOICE

Open Hole Test	\$ <u>600.00</u>
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ <u>225.00</u>
Selective Zone	\$ _____
Safety Joint	\$ <u>25.00</u>
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ _____
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ _____
Telecopier	\$ _____
TOTAL	\$ <u>850.00</u>

WESTERN TESTING CO., INC.

Pressure Data

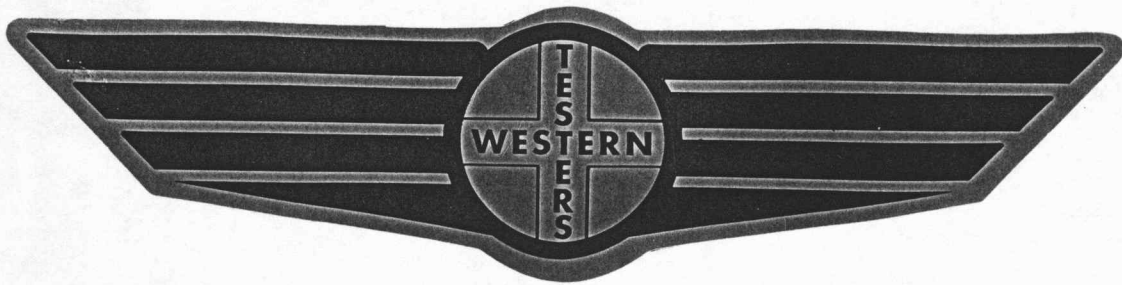
Date 11-4-92 Test Ticket No. 19262
 Recorder No. 4309 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>612</u> P.S.I.			M
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final Hydrostatic Mud	<u>605</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1 0	<u>76</u>	0	<u>79</u>	0	<u>95</u>	0	<u>97</u>	0
P 2 5	<u>78</u>	3	<u>76</u>	3	<u>97</u>	3	<u>98</u>	3
P 3 10	<u>78</u>	6	<u>77</u>	6	<u>97</u>	6	<u>99</u>	6
P 4 15	<u>76</u>	9	<u>81</u>	9	<u>95</u>	9	<u>101</u>	9
P 5 20		12	<u>85</u>	12	<u>96</u>	12	<u>103</u>	12
P 6 25		15	<u>89</u>	15	<u>97</u>	15	<u>105</u>	15
P 7 30		18	<u>91</u>	18	<u>97</u>	18	<u>107</u>	18
P 8 35		21	<u>93</u>	21		21	<u>109</u>	21
P 9 40		24	<u>95</u>	24		24	<u>111</u>	24
P10 45		27	<u>98</u>	27		27	<u>112</u>	27
P11 50		30	<u>101</u>	30		30	<u>113</u>	30
P12 55		33	<u>107</u>	33		33	<u>114</u>	33
P13 60		36		36		36	<u>115</u>	36
P14 65		39		39		39	<u>116</u>	39
P15 70		42		42		42	<u>117</u>	42
P16 75		45		45		45	<u>117</u>	45
P17 80		48		48		48	<u>118</u>	48
P18 85		51		51		51	<u>118</u>	51
P19 90		54		54		54	<u>119</u>	54
P20 95		57		57		57	<u>119</u>	57
100		60		60		60	<u>119</u>	60

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

COMPANY OXY USA, INC. LEASE & WELL NO. #229 CHESNEY A SEC. 21 TWP. 25S RGE. 5E TEST NO. 2 DATE 11/4/93

DST REPORT

GENERAL INFORMATION

DATE : 11/4/93	TICKET : 19762
CUSTOMER : OXY USA, INC.	LEASE : CHESNEY A
WELL : #229 TEST: 2	GEOLOGIST: SCHROEDER
ELEVATION: 1384 GL	FORMATION: OREAD
SECTION : 21	TOWNSHIP : 25S
RANGE : 5E COUNTY: BUTLER	STATE : KS
GAUGE SN#: 4339 RANGE : 4300	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	1332.00 ft	TO:	1375.00 ft	TVD:	1375.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	1335.0 ft		1375.0 ft		
TEMPERATURE:	83.0				
DRILL COLLAR LENGTH:	325.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	982.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	25.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	43.0 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 :		4.5XH	
PACKER DEPTH:	1332.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. : ALLEN RIG #2	
MUD TYPE : CHEMICAL	VISCOSITY : 38.00 cp
WEIGHT : 8.900 ppg	WATER LOSS: 10.400 cc
CHLORIDES : 0 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 460
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD OFF BOTTOM OF BUCKET IN 4 MINUTES. FINAL FLOW PERIOD OFF BOTTOM OF BUCKET IN 5 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
150.0	0.0	0.0	0.0	100.0	DRILLING MUD & LCM
0.0	0.0	0.0	0.0	0.0	CHLORIDES 1500 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	45.0000	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: 600.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	68.00	68.00
INITIAL SHUT-IN	30.00		113.00
FINAL FLOW	30.00	90.00	90.00
FINAL SHUT-IN	60.00		113.00

FINAL HYDROSTATIC PRESSURE: 578.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 612.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	76.00	76.00
INITIAL SHUT-IN	33.00		107.00
FINAL FLOW	30.00	95.00	97.00
FINAL SHUT-IN	60.00		119.00

FINAL HYDROSTATIC PRESSURE: 602.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11/4/93	TICKET : 19762
CUSTOMER : OXY USA, INC.	LEASE : CHESNEY A
WELL : #229	TEST: 2
ELEVATION: 1384 GL	GEOLOGIST: SCHROEDER
SECTION : 21	FORMATION: OREAD
RANGE : 5E	TOWNSHIP : 25S
COUNTY: BUTLER	STATE : KS
GAUGE SN#: 4339	RANGE : 4300
	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	76.00	76.00
5.00	76.00	0.00
10.00	76.00	0.00
15.00	76.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	76.00	76.00	0.00
6.00	77.00	1.00	0.00
9.00	81.00	4.00	0.00
12.00	85.00	4.00	0.00
15.00	89.00	4.00	0.00
18.00	91.00	2.00	0.00
21.00	93.00	2.00	0.00
24.00	95.00	2.00	0.00
27.00	98.00	3.00	0.00
30.00	101.00	3.00	0.00
33.00	107.00	6.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	95.00	95.00
5.00	95.00	0.00
10.00	95.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
15.00	95.00	0.00
20.00	96.00	1.00
25.00	97.00	1.00
30.00	97.00	0.00

FINAL SHUT IN

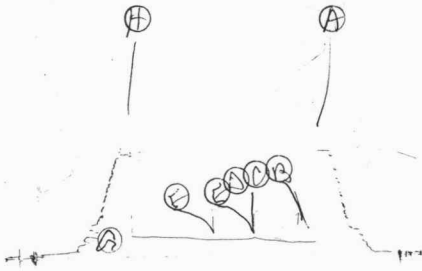
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	98.00	98.00	0.00
6.00	99.00	1.00	0.00
9.00	101.00	2.00	0.00
12.00	103.00	2.00	0.00
15.00	105.00	2.00	0.00
18.00	107.00	2.00	0.00
21.00	109.00	2.00	0.00
24.00	111.00	2.00	0.00
27.00	112.00	1.00	0.00
30.00	113.00	1.00	0.00
33.00	114.00	1.00	0.00
36.00	115.00	1.00	0.00
39.00	116.00	1.00	0.00
42.00	117.00	1.00	0.00
45.00	117.00	0.00	0.00
48.00	118.00	1.00	0.00
51.00	118.00	0.00	0.00
54.00	119.00	1.00	0.00
57.00	119.00	0.00	0.00
60.00	119.00	0.00	0.00

JK 19765

4339

19762

1



JK 19762

13548

19762

0

