



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 18961

O. BOX 1599 PHONE (316) 262-5861

Elevation 1369 GL Formation Arbuckle Eff. Pay — Ft.

WICHITA, KANSAS 67201

District GT Bend Date 2-6-93 Customer Order No. —

COMPANY NAME Oxy U.S.A, Inc.
ADDRESS 110 S. MAIN #800 WICHITA, Ks. 67202

WELL NO. Paulsen "A" #115 COUNTY Butler STATE Ks Sec. 2 Twp. 26^s Rge. 4^e

Invoice To SAME #115 Paulson A Co. Name Address No. Copies Requested Reg

Charts To SAME Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 2379 ft. to 2390 ft. Total Depth 2390 ft.

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

Packer Depth 2379 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Top Recorder Depth (Inside) 2382 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 2385 ft. Recorder Number 13550 Cap. 4175

Low Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Allen drlg rig 2 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Chemical Viscosity 46 Weight Pipe Length — I. D. — in.

Weight 9.3 Water Loss 12 cc. Drill Pipe Length 2119 I. D. 3.8 in.

Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5/2 in.

WTC Serial Number 422 Anchor Length 11 ft. Size 5/2 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 X 11 in.

Blow: IF - WPAK Blow throughout 1" to 3" Blow

RF - WPAK building TEA Good Blow 3" to 8" Blow

110 ft. of CLEAN Oil GRAVITY 34

40 ft. of Muddy Oil 58% oil 7% GAS 35% mud

ft. of

ft. of

ft. of

ft. of

Chlorides — P.P.M. Sample Jars used 2 Remarks:

FEB 09 1993

Time On Location 9:45 A.M. Time Pick Up Tool 11:10 A.M. Time Off Location — P.M.

Time Set Packer(s) 12:15 A.M. Time Started Off Bottom 2:30 A.M. Maximum Temperature 100° P.M.

Initial Hydrostatic Pressure (A) 1174 P.S.I.

Initial Flow Period Minutes 15 (B) 31 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 30 (D) 821 P.S.I.

Final Flow Period Minutes 30 (E) 52 P.S.I. to (F) 62 P.S.I.

Final Closed In Period Minutes 60 (G) 863 P.S.I.

Final Hydrostatic Pressure (H) 1174 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] Signature of Customer or his authorized representative

Western Representative Ray Schwager THANK YOU

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

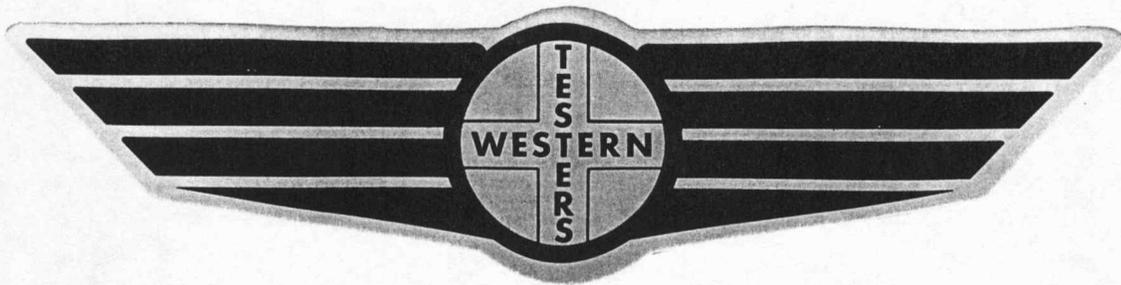
Date J-6-92 Test Ticket No. 18961
 Recorder No. 10270 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1192</u> P.S.I.	Open Tool	M	
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	Mins. <u>15</u>	Mins.
C First Final Flow Pressure	<u>41</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>20</u>	Mins.
D Initial Closed-in Pressure	<u>841</u> P.S.I.	Second Flow Pressure	Mins. <u>20</u>	Mins.
E Second Initial Flow Pressure	<u>104</u> P.S.I.	Final Closed-in Pressure	Mins. <u>10</u>	Mins.
F Second Final Flow Pressure	<u>73</u> P.S.I.			
G Final Closed-in Pressure	<u>869</u> P.S.I.			
H Final Hydrostatic Mud	<u>1188</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>41</u>	0	<u>41</u>	0	<u>104</u>	0	<u>73</u>
P 2 5	<u>41</u>	3	<u>258</u>	5	<u>5</u>	3	<u>298</u>
P 3 10	<u>41</u>	6	<u>575</u>	10	<u>104</u>	6	<u>582</u>
P 4 15	<u>41</u>	9	<u>671</u>	15	<u>60</u>	9	<u>674</u>
P 5 20		12	<u>225</u>	20	<u>68</u>	12	<u>224</u>
P 6 25		15	<u>265</u>	25	<u>71</u>	15	<u>266</u>
P 7 30		18	<u>290</u>	30	<u>72</u>	18	<u>288</u>
P 8 35		21	<u>810</u>	35		21	<u>208</u>
P 9 40		24	<u>825</u>	40		24	<u>819</u>
P10 45		27	<u>834</u>	45		27	<u>827</u>
P11 50		30	<u>841</u>	50		30	<u>834</u>
P12 55		33		55		33	<u>842</u>
P13 60		36		60		36	<u>851</u>
P14 65		39		65		39	<u>857</u>
P15 70		42		70		42	<u>856</u>
P16 75		45		75		45 <u>859</u>	<u>860</u>
P17 80		48		80		48	<u>861</u>
P18 85		51		85		51	<u>862</u>
P19 90		54		90		54	<u>865</u>
P20 95		57		95		57	<u>867</u>
100		60		100		60	<u>869</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone **1 - 800-688-7021**

COMPANY OXY USA, INC.

LEASE & WELL NO. #115 PAULSON A

SEC. 2

TWP.

26S RGE.

4E

TEST NO.

1

DATE

2/6/93

DST REPORT

GENERAL INFORMATION

DATE : 2/6/93	TICKET : 18961
CUSTOMER : OXY USA INC.	LEASE : PAULSON A
WELL : 115 TEST: 1	GEOLOGIST: LANCE FELLHOELTER
ELEVATION: 1369 GL	FORMATION: ARBUCKLE
SECTION : 2	TOWNSHIP : 26S
RANGE : 4E COUNTY: BUTLER	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2379.00 ft	TO: 2390.00 ft	TVD: 2390.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: OIL	
DEPTH OF RECORDERS: 2382.0 ft	2385.0 ft	
TEMPERATURE: 100.0		
DRILL COLLAR LENGTH: 240.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 2119.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 11.0 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: 2379.0 ft	SIZE:	6.630 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 DRLG RIG 2	
MUD TYPE : CHEMICAL	VISCOSITY : 46.00 cp
WEIGHT : 9.300 ppg	WATER LOSS: 12.000 cc
CHLORIDES : 0 ppm	
JARS-MAKE : W.T.C.	SERIAL NUMBER: 422
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT, 1 INCH TO A 3 INCH BLOW. FINAL FLOW PERIOD WEAK BLOW, BUILDING TO A GOOD BLOW, 3 INCH TO AN 8 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
110.0	100.0	0.0	0.0	0.0	CLEAN OIL - GRAVITY 34
40.0	58.0	7.0	0.0	35.0	MUDDY OIL

RATE INFORMATION

OIL VOLUME:	0.6262 STB	TOTAL FLOW TIME:	45.0000 min.
GAS VOLUME:	0.0739 SCF	AVERAGE OIL RATE:	22.1453 STB/D
MUD VOLUME:	0.0658 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.6920 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1174.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	31.00	31.00
INITIAL SHUT-IN	30.00		821.00
FINAL FLOW	30.00	52.00	62.00
FINAL SHUT-IN	60.00		863.00

FINAL HYDROSTATIC PRESSURE: 1174.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1192.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	41.00	41.00
INITIAL SHUT-IN	30.00		841.00
FINAL FLOW	30.00	64.00	73.00
FINAL SHUT-IN	60.00		869.00

FINAL HYDROSTATIC PRESSURE: 1188.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/6/93	TICKET : 18961
CUSTOMER : OXY USA INC.	LEASE : PAULSON A
WELL : 115	TEST: 1
ELEVATION: 1369 GL	GEOLOGIST: LANCE FELLHOELTER
SECTION : 2	FORMATION: ARBUCKLE
RANGE : 4E	TOWNSHIP : 26S
COUNTY: BUTLER	STATE : KS
RANGE : 4150	CLOCK : 12
GAUGE SN#: 10270	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	41.00	41.00
5.00	41.00	0.00
10.00	41.00	0.00
15.00	41.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	258.00	258.00	0.00
6.00	575.00	317.00	0.00
9.00	671.00	96.00	0.00
12.00	725.00	54.00	0.00
15.00	765.00	40.00	0.00
18.00	790.00	25.00	0.00
21.00	810.00	20.00	0.00
24.00	825.00	15.00	0.00
27.00	834.00	9.00	0.00
30.00	841.00	7.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	64.00	64.00
5.00	64.00	0.00
10.00	64.00	0.00
15.00	66.00	2.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
20.00	68.00	2.00
25.00	71.00	3.00
30.00	73.00	2.00

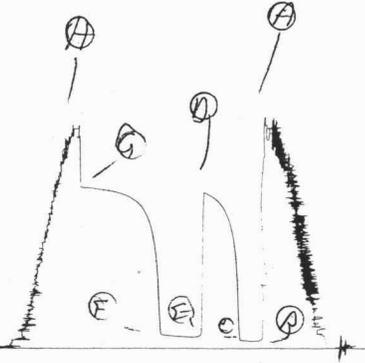
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	398.00	398.00	0.00
6.00	582.00	184.00	0.00
9.00	674.00	92.00	0.00
12.00	726.00	52.00	0.00
15.00	766.00	40.00	0.00
18.00	788.00	22.00	0.00
21.00	808.00	20.00	0.00
24.00	819.00	11.00	0.00
27.00	827.00	8.00	0.00
30.00	836.00	9.00	0.00
33.00	842.00	6.00	0.00
36.00	851.00	9.00	0.00
39.00	854.00	3.00	0.00
42.00	856.00	2.00	0.00
45.00	859.00	3.00	0.00
48.00	861.00	2.00	0.00
51.00	863.00	2.00	0.00
54.00	865.00	2.00	0.00
57.00	867.00	2.00	0.00
60.00	869.00	2.00	0.00

KT 18961

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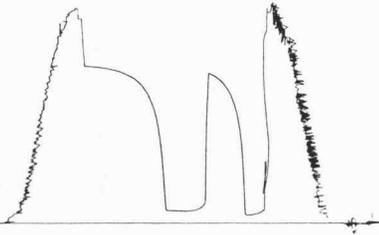
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WESTERN TESTING CO., INC.
FORMATION TESTING

LAST No 18962

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

Elevation 1369 GL Formation Arbuckle Eff. Pay - Ft.

District GT. Bend Date 2-7-93 Customer Order No. -

COMPANY NAME Oxy USA Inc.

ADDRESS 110 S. MAIN #800 WICHITA, KS 67202

LEASE AND WELL NO. PAULSON 'A' #115 COUNTY BUTLER STATE KS Sec. 2 Twp. 26 Rge. 4E

Mail Invoice To SAME No. Copies Requested Reg

Go. Name Paulson A Address No. Copies Requested Reg

Mail Charts To #115 Paulson A Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 2390 ft. to 2410 ft. Total Depth 2410 ft.

Packer Depth 2390 ft. Size 6 7/8 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) 2402 ft. Recorder Number 10220 Cap. 4150

Bottom Recorder Depth (Outside) 2405 ft. Recorder Number 13550 Cap. 4175

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

Drilling Contractor Allen dily rig 2 Drill Collar Length 180 I. D. 2.2 in.

Mud Type Chemical Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 12 cc. Drill Pipe Length 2190 I. D. 3.8 in.

Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 422 Anchor Length 20 ft. Size 5 1/2 in.

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

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

Blow: IF - Strong Blow in 1 min FF - Strong Blow throughout

Recovered 840 ft. of CLEAN OIL GRAVITY 34

Recovered 120 ft. of Muddy Oil 6% GAS 50% OIL 44 mud

Recovered - ft. of Chlorides - P.P.M. Sample Jars used 3 Remarks: FEB 09 1993

Time On Location 12:00 P.M. Time Pick Up Tool 8:45 P.M. Time Off Location 3:00 P.M.

Time Set Packer(s) 9:50 P.M. Time Started Off Bottom 12:05 P.M. Maximum Temperature 101

Initial Hydrostatic Pressure (A) 1175 P.S.I.

Initial Flow Period Minutes 15 (B) 127 P.S.I. to (C) 148 P.S.I.

Initial Closed In Period Minutes 30 (D) 872 P.S.I.

Final Flow Period Minutes 30 (E) 243 P.S.I. to (F) 328 P.S.I.

Final Closed In Period Minutes 60 (G) 872 P.S.I.

Final Hydrostatic Pressure (H) 1175 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] Signature of Customer or his authorized representative

Western Representative Ray Schwarz THANK 404

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL. Amounts are handwritten in dollars.

WESTERN TESTING CO., INC.

Pressure Data

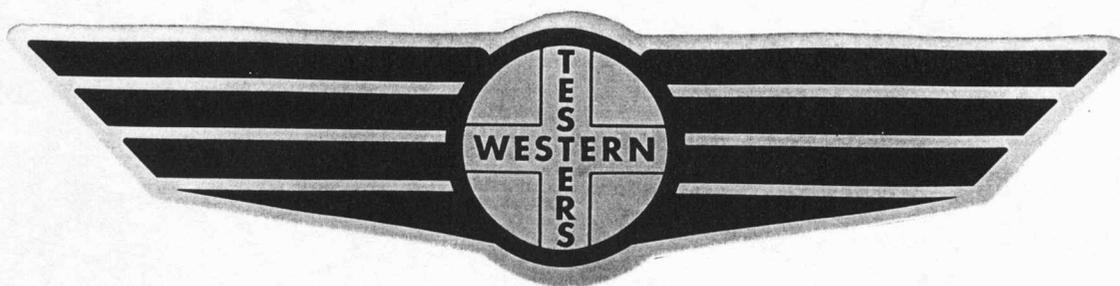
Date 2-7-93 Test Ticket No. 1896
 Recorder No. 13550 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1190</u>	P.S.I.		M
B First Initial Flow Pressure	<u>135</u>	P.S.I.	Mins. <u>15</u>	Mins.
C First Final Flow Pressure	<u>150</u>	P.S.I.	Mins. <u>30</u>	Mins.
D Initial Closed-in Pressure	<u>879</u>	P.S.I.	Mins. <u>30</u>	Mins.
E Second Initial Flow Pressure	<u>252</u>	P.S.I.	Mins. <u>60</u>	Mins.
F Second Final Flow Pressure	<u>258</u>	P.S.I.		
G Final Closed-in Pressure	<u>879</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1169</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
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>135</u>	0	<u>150</u>	0	<u>252</u>	0	<u>879</u>
P 2 5	<u>135</u>	3	<u>252</u>	5	<u>252</u>	3	<u>879</u>
P 3 10	<u>142</u>	6	<u>810</u>	10	<u>252</u>	6	<u>806</u>
P 4 15	<u>150</u>	9	<u>829</u>	15	<u>223</u>	9	<u>810</u>
P 5 20		12	<u>854</u>	20	<u>299</u>	12	<u>844</u>
P 6 25		15	<u>862</u>	25	<u>252</u>	15	<u>852</u>
P 7 30		18	<u>869</u>	30	<u>258</u>	18	<u>860</u>
P 8 35		21	<u>872</u>	35		21	<u>866</u>
P 9 40		24	<u>875</u>	40		24	<u>869</u>
P10 45		27	<u>877</u>	45		27	<u>871</u>
P11 50		30	<u>879</u>	50		30	<u>872</u>
P12 55		33		55		33	<u>873</u>
P13 60		36		60		36	<u>874</u>
P14 65		39		65		39	<u>875</u>
P15 70		42		70		42	<u>876</u>
P16 75		45		75		45	<u>877</u>
P17 80		48		80		48	<u>877</u>
P18 85		51		85		51	<u>878</u>
P19 90		54		90		54	<u>878</u>
P20 95		57		95		57	<u>879</u>
100		60		100		60	<u>879</u>
						60	<u>60</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 2/7/93	TICKET : 18962
CUSTOMER : OXY USA INC.	LEASE : PAULSON A
WELL : 115 TEST: 2	GEOLOGIST: LANCE FELLHOELTER
ELEVATION: 1369 GL	FORMATION: ARBUCKLE
SECTION : 2	TOWNSHIP : 26S
RANGE : 4E COUNTY: BUTLER	STATE : KS
GAUGE SN#: 13550 RANGE : 4175	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2390.00 ft	TO: 2410.00 ft	TVD: 2410.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 2402.0 ft	2405.0 ft	
TEMPERATURE: 101.0		
DRILL COLLAR LENGTH: 180.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 2190.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 20.0 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: 2390.0 ft	SIZE:	6.630 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 DRLG RIG 2	
MUD TYPE : CHEMICAL	VISCOSITY : 46.00 cp
WEIGHT : 9.300 ppg	WATER LOSS: 12.000 cc
CHLORIDES : 0 ppm	
JARS-MAKE : W.T.C.	SERIAL NUMBER: 422
DID WELL FLOW?: NO	REVERSED OUT?: YES

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 1 MINUTE. FINAL FLOW PERIOD STRONG BLOW THROUGHOUT. READ OUTSIDE RECORDER.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
840.0	100.0	0.0	0.0	0.0	CLEAN OIL - GRAVITY 34
120.0	50.0	6.0	0.0	44.0	MUDDY OIL

RATE INFORMATION

OIL VOLUME:	11.5047 STB	TOTAL FLOW TIME:	45.0000 min.
GAS VOLUME:	0.1901 SCF	AVERAGE OIL RATE:	376.0944 STB/D
MUD VOLUME:	0.2482 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	11.7530 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1175.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	127.00	148.00
INITIAL SHUT-IN	30.00		872.00
FINAL FLOW	30.00	243.00	328.00
FINAL SHUT-IN	60.00		872.00

FINAL HYDROSTATIC PRESSURE: 1175.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1190.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	135.00	150.00
INITIAL SHUT-IN	30.00		879.00
FINAL FLOW	30.00	252.00	338.00
FINAL SHUT-IN	63.00		879.00

FINAL HYDROSTATIC PRESSURE: 1169.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/7/93	TICKET : 18962
CUSTOMER : OXY USA INC.	LEASE : PAULSON A
WELL : 115 TEST: 2	GEOLOGIST: LANCE FELLHOELTER
ELEVATION: 1369 GL	FORMATION: ARBUCKLE
SECTION : 2	TOWNSHIP : 26S
RANGE : 4E COUNTY: BUTLER	STATE : KS
GAUGE SN#: 13550 RANGE : 4175	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	135.00	135.00
5.00	135.00	0.00
10.00	143.00	8.00
15.00	150.00	7.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	753.00	753.00	0.00
6.00	810.00	57.00	0.00
9.00	839.00	29.00	0.00
12.00	854.00	15.00	0.00
15.00	862.00	8.00	0.00
18.00	869.00	7.00	0.00
21.00	873.00	4.00	0.00
24.00	875.00	2.00	0.00
27.00	877.00	2.00	0.00
30.00	879.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	252.00	252.00
5.00	252.00	0.00
10.00	252.00	0.00
15.00	273.00	21.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
20.00	299.00	26.00
25.00	322.00	23.00
30.00	338.00	16.00

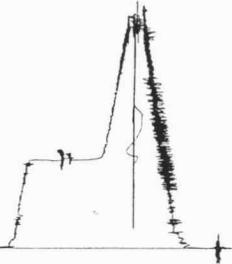
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	739.00	739.00	0.00
6.00	806.00	67.00	0.00
9.00	830.00	24.00	0.00
12.00	844.00	14.00	0.00
15.00	852.00	8.00	0.00
18.00	860.00	8.00	0.00
21.00	866.00	6.00	0.00
24.00	869.00	3.00	0.00
27.00	871.00	2.00	0.00
30.00	872.00	1.00	0.00
33.00	873.00	1.00	0.00
36.00	874.00	1.00	0.00
39.00	875.00	1.00	0.00
42.00	876.00	1.00	0.00
45.00	877.00	1.00	0.00
48.00	877.00	0.00	0.00
51.00	878.00	1.00	0.00
54.00	878.00	0.00	0.00
57.00	879.00	1.00	0.00
60.00	879.00	0.00	0.00
63.00	879.00	0.00	0.00

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