

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name ANSLEY A #4 Test No. 1 Date 10/31/93  
Company OXY USA, INC. Zone MORROW  
Address P.O. BOX 26100 OKLAHOMA CITY OK 73126-0100 Elevation 3268  
Co. Rep./Geo. CAL WYLIE Cont. NORSEMAN #1 Est. Ft. of Pay 4  
Location: Sec. 9 Twp. 32S Rge. 39W Co. MORTON State KS

Interval Tested 5416-5592 Drill Pipe Size 4.5" XH  
Anchor Length 176 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 5411 Drill Collar - 2.25 Ft. Run 654  
Bottom Packer Depth 5416 Mud Wt. 9 lb/Gal.  
Total Depth 5592 Viscosity 50 Filtrate 8.8

Tool Open @ 3:15 PM Initial Blow WEAK TO FAIR BLOW OFF BOTTOM OF BUCKET IN 4 MIN  
ISI: BLED OFF BLOW-SURFACE RETURN STEADY @1/2" THROUGHOUT  
Final Blow WEAK SURFACE BLOW SLOWLY BUILT TO 4" @ 60 MINUTES  
FSI: BLED OFF BLOW- NO RETURN

Recovery - Total Feet 60 Flush Tool? NO

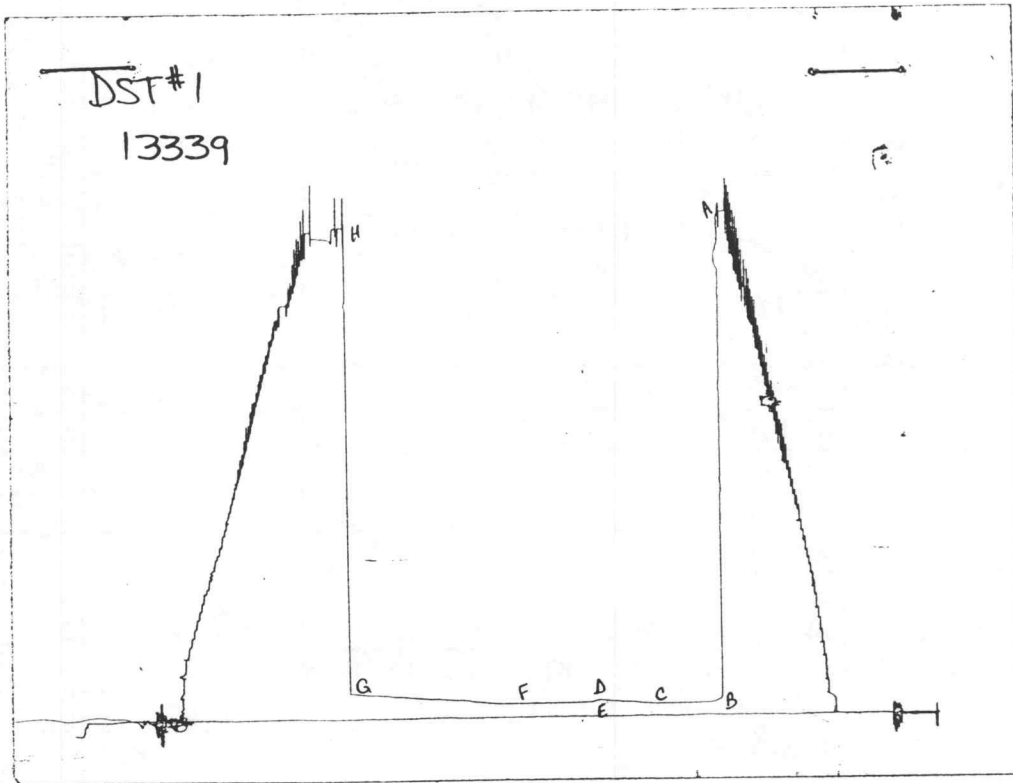
Rec. 60 Feet of DRILLING MUD WITH NO SHOW/NO SMELL  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 125 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 4.1 @ 80 °F Chlorides 1100 ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud 2653.4 PSI AK1 Recorder No. 13339 Range 4025  
(B) First Initial Flow Pressure 63.4 PSI @ (depth) 5420 w / Clock No. 19960  
(C) First Final Flow Pressure 63.4 PSI AK1 Recorder No. 13276 Range 4000  
(D) Initial Shut-in Pressure 85.6 PSI @ (depth) 5425 w / Clock No. 22992  
(E) Second Initial Flow Pressure 63.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
(F) Second Final Flow Pressure 63.4 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
(G) Final Shut-in Pressure 135.6 PSI Initial Opening 30 Final Flow 60  
(H) Final Hydrostatic Mud 2588.9 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2652	2653.4
(B) FIRST INITIAL FLOW PRESSURE	62	63.4
(C) FIRST FINAL FLOW PRESSURE	62	63.4
(D) INITIAL CLOSED-IN PRESSURE	83	85.6
(E) SECOND INITIAL FLOW PRESSURE	62	63.4
(F) SECOND FINAL FLOW PRESSURE	62	63.4
(G) FINAL CLOSED-IN PRESSURE	135	135.6
(H) FINAL HYDROSTATIC MUD	2583	2588.9



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## FLUID SAMPLER DATA

Ticket No. 6288 Date 10-31-93  
Company Name OXY USA, Inc. Cont. Norseman #1  
Lease Ansley A #4 Test No. 1 Morrow  
County Morton KS. Sec. 9 Twp. 32<sup>S</sup> Rng. 39<sup>W</sup>

### SAMPLER RECOVERY

Gas — ML  
Oil — ML  
Mud 4,000 ML  
Water — ML  
Other — ML  
Pressure 50<sup>#</sup> PSI  
Total 4,000 ML

### PIT MUD ANALYSIS

Chlorides 1,100 ppm.  
Resistivity 4.1 ohms @ 80° F  
Viscosity 50  
Mud Weight 9.0  
Filtrate 8.8  
Other L.C.M. 2# lb/bbl.

### SAMPLER ANALYSIS

Resistivity 4.1 ohms @ 8.0 F  
Chlorides 1,100 ppm.  
Gravity — corrected @ 60 F

### PIPE RECOVERY

TOP  
Resistivity — ohms @ — F  
Chlorides — ppm.

MIDDLE  
Resistivity — ohms @ — F  
Chlorides — ppm.

BOTTOM  
Resistivity 4.1 ohms @ 80° F  
Chlorides 1,100 ppm.

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## Test Ticket

No 6288

Well Name & No.	Ansley A #4	Test No.	1	Date	10/31/93				
Company	DXY USA, Inc.	Zone Tested	Morrow						
Address	P.O. Box 26100 Okla. City, OK. 73126-0100	Elevation	3268	(KB)					
Co. Rep./Geo.	Cal Wylie	Cont.	Norseman #1	Est. Ft. of Pay	4'				
Location: Sec.	9	Twp.	32 <sup>S</sup>	Rge.	39 <sup>W</sup>	Co.	Morton	State	KS.
No. of Copies	4	Distribution Sheet	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Turnkey	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Evaluation	NO		

Interval Tested	5416 - 5592	Drill Pipe Size	4 1/2" XH		
Anchor Length	176'	Top Choke - 1"	Bottom Choke - 3/4"		
Top Packer Depth	5411	Hole Size - 7 7/8"	Rubber Size - 6 3/4"		
Bottom Packer Depth	5416	Wt. Pipe I.D. - 2.7 Ft. Run	—		
Total Depth	5592	Drill Collar - 2.25 Ft. Run	654'		
Mud Wt.	9.0 lb/gal. 2# lb/50#	Viscosity	50	Filtrate	8.8
Tool Open @	3:15 pm	Initial Blow	Weak to fair blow off bottom/bucket in 4 mins.		
ISI:	Bled off blow - surface return steady @ 1/2" throughout.				
Final Blow	Weak surface blow slowly built to 4" @ 60 mins.				
FSI:	Bled off blow - no return.				

Recovery - Total Feet	60'	Feet of Gas in Pipe	—	Flush Tool?	No		
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	60'	Feet Of	Drig. Mud	— %gas	— %oil	— %water	100 %mud
Rec.	Feet Of	no show / no smell		%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud		

BHT	125°	°F Gravity	—	°API @	—	°F Corrected Gravity	—	°API	—
RW	4.1	@	80	°F Chlorides	1,200	ppm Recovery	Chlorides	1,100	ppm System
(A) Initial Hydrostatic Mud	2652	PSI	AK1 Recorder No.	13339	Range	4025			
(B) First Initial Flow Pressure	62	PSI	@ (depth)	5420	w/Clock No.	19960			
(C) First Final Flow Pressure	62	PSI	AK1 Recorder No.	13276	Range	4000			
(D) Initial Shut-In Pressure	83	PSI	@ (depth)	5425	w/Clock No.	22992			
(E) Second Initial Flow Pressure	62	PSI	AK1 Recorder No.	—	Range	—			
(F) Second Final Flow Pressure	62	PSI	@ (depth)	—	w/Clock No.	—			
(G) Final Shut-In Pressure	135	PSI	Initial Opening	30	Test	700			
(H) Final Hydrostatic Mud	2583	PSI	Initial Shut-In	60	Jars	X 200			

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow	60	Safety Joint	X 50
Final Shut-In	120	Straddle	—
		Circ. Sub	X N/C
		Sampler	X 200
		Extra Packer	—
		Other	—

Approved By C. M. Wylie  
Our Representative Rod Steinbrink