

STATE OF NEW MEXICO

Deviation Report

Operator: Grace Petroleum Corporation
Contractor: Republic Drilling and Service, Inc.
Well: West Tonto Fed. Comm A-1-Y
County: Lea County, New Mexico

<u>Deviation</u>	<u>Depth</u>
.25°	108'
1.00°	616'
1.00°	814'
1.00°	1,020'
1.00°	1,305'
1.25°	1,820'
1.75°	2,170'
2.25°	2,292'
.25°	2,600'
.50°	2,720'
.50°	2,820'
1.50°	2,940'
1.00°	3,077'
1.00°	3,287'
1.00°	3,590'
1.00°	3,875'
1.00°	4,329'
1.50°	4,800'
1.50°	5,000'
1.25°	5,295'
2.00°	5,780'
2.00°	5,930'
1.75°	6,072'
2.00°	6,375'
2.25°	6,539'
2.25°	6,630'
2.00°	6,715'
1.75°	6,840'
2.00°	6,962'
1.75°	7,098'
2.00°	7,368'
1.75°	7,679'
2.25°	7,965'

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<u>Deviation</u>	<u>Depth</u>
1.75°	8,085'
1.50°	8,365'
1.25°	8,665'
1.25°	8,985'
1.75°	9,650'
2.00°	10,157'
1.75°	10,409'
2.25°	10,790'
2.00°	11,250'
2.00°	11,876'
2.25°	12,230'
2°	12,680
3°	12,270
2°	12,850

REPUBLIC DRILLING AND SERVICE, INC.

By: J. B. Mayfield

State of Texas

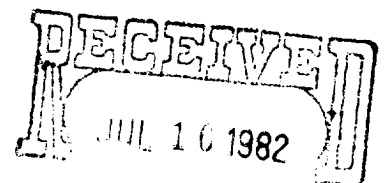
County of Harris

The foregoing instrument was acknowledged before me this 2nd day of June, 1982.

Witness my hand and official seal.

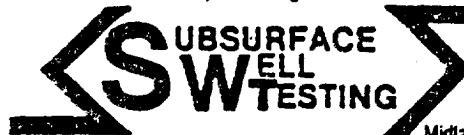
Edna M. Bradley

Edna M. Bradley



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ROSWELL, NEW MEXICO

"Quality Testing of Oil & Gas Wells"



P.O. Box 5254
Midland, Texas 79701

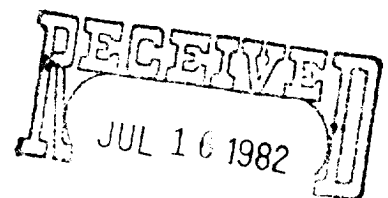
P. O. BOX 5254
MIDLAND, TEXAS 79701

PHONE
915/682-7580

STATIC-FLOWING-B. H. PRESSURES

COMPANY Grace Petroleum Corporation Well & No. West Tonto Federal A Com No. 1-Y
FIELD Wildcat Date 07/08/82 Instrument No. 15450-N

DATE	STATUS	SERV TIME	ELAPSED TIME		D W T TP	BHP PSIG @ 13552'
			HRS.	MIN		
07/08/82	In Lubricator	10:00				
	On Bottom	10:32			3743	5839
	Opened on 6/64" ck	11:15	00:00		3743	5839
	1st Rate Cont.	11:30	00:15		3440	5705
	1st Rate Cont.	11:45	00:30		3437	5601
	1st Rate Cont.	12:00	00:45		3435	5527
	1st Rate Ended	12:15	01:00		3435	5445
	Opened on 8/64" ck.	12:15	00:00		3435	5445
	2nd Rate Cont.	12:30	00:15		2910	5201
	2nd Rate Cont.	12:45	00:30		2762	4938
	2nd Rate Cont.	13:00	00:45		2717	4774
	2nd Rate Ended	13:15	01:00		2667	4409
	Opened on 10/64" ck.	13:15	00:00		2667	4409
	3rd Rate Cont.	13:30	00:15		2465	4317
	3rd Rate Cont.	13:45	00:30		2386	4228
	3rd Rate Cont.	14:00	00:45		2352	4189
	3rd Rate Cont.	14:15	01:00		2336	4104
	Opened on 12/64" ck.	14:15	00:00		2336	4104
	4th Rate Cont.	14:30	00:15		2124	3769
	4th Rate Cont.	14:45	00:30		2016	3549
	4th Rate Cont.	15:00	00:45		1874	3217
	4th Rate Ended	15:15	01:00		1861	3053



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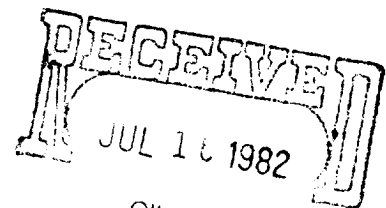
915/682-7580

BOTTOM HOLE PRESSURE REPORT

Operator Grace Petroleum Corporation Lease West Tonto Federal Well No. 1-Y
A Com
Field Wildcat Reservoir Morrow Sand Datum _____
Test Date 07/08/82 Well Status Static Hours Shut In 521
Tubing 2 3/8" Depth 13359' End Open Packer 13360' S. N. 13359'
Casing 5 1/2" Depth 13654' Perf. 13454'-13650' Total Depth _____

	Depth	Press. Lbs/Sq. In.	Δ Press.	Gradient Lbs/Ft.
Tubing Press.....	3743	Surface	3743	
Casing Press.....	0	7500	4973	1220 .164
Top of Fluid.....	None	10000	5340	367 .147
Top of Water.....	None	13552	5839	499 .140
Temp. @ 13552 °F. 206°	0	0		
Elev. KB.....	GI	13552	5839	Ctr. of Perfs. .140
Last Test Date.....				
Press. Last Test.....				
Change.....	Per Day			
Inst. No. 15450-N	Cal. M-2			
Tested By..	Allen Arnett			
Calcu. By..	Allen Arnett			
Prod. Index.....	Bbls/day/lb.			
Drop.....				
Cumulative prod.				

Remarks:



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