

FLUID SAMPLE DATA				Date 11-9-80		Ticket Number 960304	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ ° F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT Recovery Water _____ @ _____ ° F. _____ ppm Recovery Mud _____ @ _____ ° F. _____ ppm Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm Mud Pit Sample _____ @ _____ ° F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm Mud Weight _____ 10.1 vis _____ 38 sec.				Kind of D.S.T. OPEN HOLE Tester MR. WILLIAMS Witness MR. DULIN Drilling Contractor W.E.K. DRILLING COMPANY RIG #3 IC		Halliburton Location HOBBS Equipment & Hole Data Formation Tested San Andres Elevation 4332' _____ Ft. Net Productive Interval _____ Ft. All Depths Measured From Kelly Bushing Total Depth 3973' _____ Ft. Main Hole/Casing Size 7 7/8" Drill Collar Length 605' I.D. 2.25" Drill Pipe Length 3265' I.D. 3.340" Packer Depth(s) 3898' - 3905' _____ Ft. Depth Tester Valve 3875' _____ Ft.	
TYPE AMOUNT Depth Back Surface Bottom Cushion Ft. Pres. Valve Choke FLOOR MANIFOLD							
Recovered 90 Feet of Gas & oil cut drilling fluid				Field Area Meas. From Tester Valve			
Recovered Feet of							
Recovered Feet of							
Recovered Feet of							
Recovered Feet of							
Remarks SEE PRODUCTION TEST DATA SHEET.				County CHAVES			
TEMPERATURE		Gauge No. 3407 Depth: 3881' _____ Ft.	Gauge No. 1636 Depth: 3969' _____ Ft.	Gauge No. _____ Depth: _____ Ft.	TIME (00:00-24:00 hrs.)		
Est. 90 ° F.		24 Hour Clock	24 Hour Clock	Hour Clock	Tool		
		Blanked Off NO	Blanked Off YES	Blanked Off	Opened 14:29		
Actual ° F.		Pressures		Pressures		Bypass 00:28	
		Field	Office	Field	Office	Field	Office
Initial Hydrostatic		2069	2077.2	2097	2106.2		
First Period	Flow Initial	22.7	14.7	45.8	51.4		
	Flow Final	45	36.2	68.7	77.8	30	28
	Closed in	1188	1194.1	1212.9	1220.8	68	77
Second Period	Flow Initial	56.7	52.1	80	97.2		
	Flow Final	68	69.1	103	112.1	75	74
	Closed in	1053	1049.6	1064	1076.6	176	170
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic		2069	2075.0	2097	2100.4		

 GRAYBERG
 Lease Name

 4-11
 Well No.

 1
 Test No.

 3905' - 3973'
 Tested Interval

 SUNDANCE OIL COMPANY
 Lease Owner/Company Name

 Legal Location
 Sec. - Twp. - Rng. 11 - 8S - 31E

 Field Area
 Meas. From Tester Valve

County

CHAVES

 State
 NEW MEXICO

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

FORM 182-R1—PRINTED IN U.S.A.

Gauge No. 3407			Depth 3881'			Clock No. 20674			24 hour			Ticket No. 960304		
First Flow Period			First Closed In Pressure			Second Flow Period			Second Closed In Pressure			Third Flow Period		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	14.7	.000		36.2	.000		52.1	.000		69.1			
1	.0105	18.1*	.0233		90.7	.0477		53.2**	.0545		112.2***			
2	.0280	22.6	.0465		344.6	.0988		57.8	.0920		155.3			
3	.0455	27.2	.0698		714.9	.1499		61.2	.1294		208.6			
4	.0630	30.6	.0931		877.8	.2009		65.7	.1669		285.7			
5	.0805	32.8	.1164		978.4	.2520		69.1	.2043		388.8			
6	.0980	36.2	.1396		1045.1				.2418		504.5			
7			.1629		1092.5				.2793		628.9			
8			.1862		1129.8				.3167		731.8			
9			.2094		1155.7				.3542		813.3			
10			.2327		1177.2				.3916		878.9			
11			.2560		1194.1				.4291		926.4			
12									.4666		966.0			
13									.5040		1000.0			
14									.5415		1027.0			
15									.5790		1049.6			

Gauge No. 1636			Depth 3969'			Clock No. 6115			24 hour		
First Flow Period			First Closed In Pressure			Second Flow Period			Second Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	51.4	.000		77.8	.000		97.2	.000		112.1
1	.0102	59.4*	.0238		132.7	.0477		92.6**	.0544		157.8***
2	.0272	65.2	.0476		352.4	.0988		98.4	.0918		200.2
3	.0441	68.6	.0715		733.4	.1499		102.9	.1292		256.3
4	.0611	70.9	.0953		906.2	.2009		107.5	.1666		332.9
5	.0780	73.2	.1191		1008.0	.2520		112.1	.2040		432.5
6	.0950	77.8	.1429		1074.4				.2414		550.3
7			.1667		1120.1				.2788		671.6
8			.1905		1155.6				.3162		771.1
9			.2144		1184.2				.3536		844.4
10			.2382		1204.8				.3910		907.3
11			.2620		1220.8				.4284		956.5
12									.4658		995.4
13									.5032		1027.4
14									.5406		1054.9
15									.5780		1076.6
Reading Interval 5			7			15			11		
Minutes			Minutes			Minutes			Minutes		

REMARKS: *First interval equal to 3 minutes **=14 minutes ***=16 minutes