

FLUID SAMPLE DATA				Date	Ticket Number	
Sampler Pressure _____ P.S.I.G. at Surface				9-6-78	520377	
Recovery: Cu. Ft. Gas _____				Kind of Job	STRADDLE	
cc. Oil _____				OPEN HOLE TEST	Halliburton District	ARTESIA
cc. Water _____				Tester	HANSEN - DAVIS	
cc. Mud _____				Witness	J. ATKINS	
Tot. Liquid cc. _____				Drilling Contractor	W.E.K. #3 PW	
Gravity _____ ° API @ _____ °F.				EQUIPMENT & HOLE DATA		
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested San Andres		
RESISTIVITY _____ CHLORIDE CONTENT _____				Elevation _____	Ft.	
Recovery Water @ _____ °F. _____ ppm				Net Productive Interval	6' Ft.	
Recovery Mud @ _____ °F. _____ ppm				All Depths Measured From	Kelly Bushing	
Recovery Mud Filtrate @ _____ °F. _____ ppm				Total Depth	3961' Ft.	
Mud Pit Sample @ _____ °F. _____ ppm				Main Hole/Casing Size	7 7/8"	
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Drill Collar Length	620' I.D. 2.50"	
Mud Weight vis sec				Drill Pipe Length	3027' I.D. 3.340"	
				Packer Depth(s)	3666' - 3672' - 3747' - 3753' Ft.	
				Depth Tester Valve	3652' Ft.	
Cushion TYPE AMOUNT				Depth Back Pres. Valve	Surface Choke	Bottom Choke
				Ft.	Var.	.75"
Recovered Feet of				Lost recovery while jarring and backing off V.R. safety		
Recovered Feet of				joint.		
Recovered Feet of						
Recovered Feet of						
Recovered Feet of						
Remarks						
- SEE PRODUCTION TEST DATA SHEET -						
UTR-Unable to read						
TEMPERATURE		Gauge No. 1114	Gauge No. 1113	Gauge No.	TIME	
		Depth: 3654 Ft.	Depth: 3712 Ft.	Depth: _____ Ft.		
		24 Hour Clock	24 Hour Clock	Hour Clock		
Est. 115 °F.	Blanked Off NO		Blanked Off YES	Blanked Off	Tool	A.M.
					Opened 1100	P.M.
Actual _____ °F.	Pressures		Pressures	Pressures	Opened	A.M.
		Field Office	Field Office	Field Office	Bypass 0530	P.M.
Initial Hydrostatic		1874	1885		Reported	Computed
					Minutes	Minutes
First Period	Flow Initial	35	30	LEFT IN HOLE.....		
	Flow Final	53	48			
	Closed in	1132	1143		30	27
Second Period	Flow Initial	71	71		90	90
	Flow Final	89	100		90	95
	Closed in	1097	1108		180	177
Third Period	Flow Initial					
	Flow Final					
	Closed in					
Final Hydrostatic		UTR	1910			

Legal Location Sec. - Twp. - Rng. 5 - 8 - 31
 Lease Name INGRAM FEDERAL
 Well No. 8
 Test No. 2
 Tested Interval 3672' - 3747'
 County CHAVES
 State NEW MEXICO
 Lease Owner/Company Name SUNDANCE OIL COMPANY

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 520377
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1100						Opened tool with a fair blow.
1105						Fair blow.
1110						"
1115						Weak blow.
1130						Closed tool with a weak blow.
0100						Reopened tool with a weak blow.
0105						Weak blow.
0110						"
0120						"
0130						"
0140						"
0150						No blow.
0200						"
0215						"
0225						"
0230						Closed tool with no blow.
0530						Opened bypass.
0530-1830						Jarred to get loose.
1830-0245						Attempted to back off safety joint.
						Tripped out of hole.

Gauge No. 1114		Depth 3654'		Clock No. 6728		24 hour		Ticket No. 520377	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.000	48	71	.000	100	.000	100		
1	.0069	93	71**	.0508	146	.0305	146		
2	.0241	183	80	.1051	256	.0712	256		
3	.0413	422	85	.1593	448	.1119	448		
4	.0586	701	93	.2135	664	.1526	664		
5	.0758	854	98	.2678	805	.1932	805		
6	.0930	938	100	.3220	889	.2339	889		
7		993		.2746	945	.2746	945		
8		1034		.3153	986	.3153	986		
9		1062		.3560	1018	.3560	1018		
10		1083		.3966	1042	.3966	1042		
11		1101		.4373	1060	.4373	1060		
12		1113		.4780	1078	.4780	1078		
13		1124		.5187	1090	.5187	1090		
14		1134		.5594	1101	.5594	1101		
15		1143		.6000	1108	.6000	1108		
Reading Interval 5		6		16		12		Minutes	

Gauge No. 1113		Depth 3712'		Clock No. 134333		24 hour	
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

GAUGE LEFT IN HOLE.....

REMARKS: * = 2 minute interval; ** = 15 minute interval; *** = 9 minute interval.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4"	3.340"	3027'	
Drill Collars	6 1/4"	2.50"	620'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5.0'	3647'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5.0'	3652'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.0'	3654'
Hydraulic Jar	5"	1.75"	5.0'	
VR Safety Joint	5"	1.0"	2.86'	
Pressure Equalizing Crossover	5"	1.0"	1.0'	
Packer Assembly	6 3/4"	1.53"	5.87'	3666'
Distributor				
Packer Assembly	6 3/4"	1.53"	5.87'	3672'
Flush Joint Anchor	5 3/4"	2.86"	25'	
Pressure Equalizing Tube	1"	.50"	39'	
Blanked-Off B.T. Running Case	5"		4.0'	3712'
Drill Collars	6 1/4"	2.50"	31'	
Anchor Pipe Safety Joint				
Packer Assembly	6 3/4"	1.53"	5.87'	3747'
Distributor				
Packer Assembly	6 3/4"	1.53"	5.87'	3753'
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6 1/4"	2.50"	183'	
Flush Joint Anchor	5 3/4"	2.87"	13'	
Blanked-Off B.T. Running Case	5 3/4"		4.0'	
Total Depth				3961'