

FLUID SAMPLE DATA				Date 3-15-78		Ticket Number 319334	
Sampler Pressure 950		P.S.I.G. at Surface		Kind of Job OPEN HOLE		Halliburton District HOBBS	
Recovery: Cu. Ft. Gas 0				Tester PAPPAS		Witness HURT	
cc. Oil 0				Drilling Contractor RIAL # 2 NM S			
cc. Water 2300				EQUIPMENT & HOLE DATA			
cc. Mud 0				Formation Tested Devonian			
Tot. Liquid cc. 2300				Elevation 4058' Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval 30' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Rotary Table			
RESISTIVITY _____		CHLORIDE CONTENT _____		Total Depth 14,656' Ft.			
Recovery Water _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size 8.75"			
Recovery Mud _____ @ _____ ° F. _____ ppm				Drill Collar Length 372' I.D. 2.25"			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Pipe Length 14,107' I.D. 3.826"			
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Packer Depth(s) 14,502' - 14,510' Ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Depth Tester Valve 14,485' Ft.			
Mud Weight 9.8		vis 44 sec					

Cushion	TYPE NONE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
			NONE	FLOOR MANIFOLD	5/8"
Recovered 12,866' *Feet of** TOTAL RECOVERY					
Recovered 280' Feet of gas cut mud					
Recovered 280' Feet of mud and gas cut water					
Recovered 12,306' Feet of blackish looking sulphur smelling- gas cut water					
Recovered _____ Feet of _____					
Remarks SEE PRODUCTION TEST DATA SHEET... Q = QUESTIONABLE.					

MAILED

 MAR 20 1978

 Halliburton Company
 Duncan, Oklahoma

TEMPERATURE	Gauge No. 108		Gauge No. 106		Gauge No. _____		TIME	
	Depth: 14,494' Ft.	Hour Clock 24	Depth: 14,652' Ft.	Hour Clock 24	Depth: _____ Ft.	Hour Clock _____	Tool Opened 1:10 A.M.	Computed _____
Est. _____ ° F.	Blanked Off NO	Blanked Off YES	Blanked Off _____	Blanked Off _____	Blanked Off _____	Blanked Off _____	Open 5:30 A.M.	By-pass 5:30 P.M.
Actual 170°F.	Pressures		Pressures		Pressures		Reported Minutes	Computed Minutes
	Field	Office	Field	Office	Field	Office		
Initial Hydrostatic	7541	7492	7647	7653				
First Period Flow	Initial	1685	1175 -Q	2448	1837 -Q			
	Final	3693	3627	4113	4017			
	Closed in	5534	5577	5699	5677			
Second Period Flow	Initial	3805	3911	4113	4108			
	Final	5590	5563	5699	5638			
	Closed in	5590	5593	5699	5688			
Third Period Flow	Initial							
	Final							
Final Hydrostatic	7541	7328	7647	7417				

FORMATION TEST DATA

NEW MEXICO STATE 7
 Well No. 14,510' - 14,656'
 Field Area WILDCAT
 County LEA
 State NEW MEXICO
 License Owner Company Name

Casing perf. _____ Surf. temp. _____ °F Ticket No. **319334**
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
3-14-78 3:30 p.m.					
3:30					Special Operator on location.
					Coming out of the hole.
5:30					Unloading and making up the tools.
8:00					Started tools in the hole.
1:10	BUBBLE HOSE				Opened tool - weak increasing blow.
1:27		.5			Opened 19 minutes - closed tool for a
		.5			60 minute first closed in.
2:30	16/64"	-			Opened with a good blow.
2:31	"	.5			Blow was increasing.
2:35	"	1.5			
2:45	"	2.5			Blow steady - started decreasing.
2:55	"	2.			Decreasing.
3:00	"	1.4			"
3:10	"	.3			"
3:15	"	0			" - very slight bubble.
3:30	"	0			Opened for 63 minutes - then closed
					for a 118 minute second closed in pressure.
5:30					Jarred loose and started out of the
					hole - out of the hole - read charts
					and sampler. loaded tools...

Gauge No. 108		Depth		14,494'		Clock No. 6115		24 hour		Ticket No. 319334		
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period		Third Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	1175-0	.000	3627	.000	3911	5563					
1	.0116	1811*	.0201	5526	.0464	4514**	5571					
2	.0203	2299	.0402	5552	.0821	4964	5574					
3	.0289	2768	.0603	5560	.1179	5253	5577					
4	.0376	3276	.0804	5565	.1536	5426	5579					
5	.0463	3421	.1005	5571	.1893	5518	5582					
6	.0550	3627	.1206	5574	.2250	5563	5582					
7			.1407	5574			5585					
8			.1608	5577			5585					
9			.1809	5577			5585					
10			.2010	5577			5588					
11							5591					
12							5591					
13							5593					
14							5593					
15							5593					

Gauge No. 106		Depth		14,652'		Clock No. 16511		24 hour	
First Flow Period		Closed In Pressure		Second Flow Period		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"	PSIG Temp. Corr.
0	.000	1837-0	.000	4017	.000	4108	5638		
1	.0135	2493*	.0204	5596	.0444	4614**	5655		
2	.0236	2981	.0408	5632	.0785	5025	5663		
3	.0337	3397	.0612	5646	.1126	5290	5666		
4	.0438	3822	.0816	5652	.1467	5485	5669		
5	.0539	3997	.1020	5660	.1809	5588	5674		
6	.0640	4017	.1224	5663	.2150	5638	5674		
7			.1428	5669			5677		
8			.1632	5671			5682		
9			.1836	5674			5685		
10			.2040	5677			5685		
11							5688		
12							5688		
13							5688		
14							5688		
15							5688		
Reading Interval 3		6		10		***			

REMARKS: 0 = QUESTIONABLE. * INTERVAL = 4 MINUTES. ** INTERVAL = 13 MINUTES. *** FIRST 6 READINGS = 5 MINUTES. EACH - NEXT 8 READINGS = 10 MINUTES EACH AND THE LAST READING = 8 MINUTES.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6.25"	3"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	14,107'	
Drill Collars	6.25"	2.25"	372'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"		6'	14,479'
Hydro-Spring Tester	5"	.75"	5'	14,485'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.50"	4'	14,494'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7.75"	1.53"	6'	14,502'
Distributor	5"	1.68"	2'	
Packer Assembly	7.75"	1.53"	6'	14,510'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint	5.75"	3.50"	4'	
Side Wall Anchor				
Drill Collars	6.25"	2.25"	122'	
Flush Joint Anchor	5.75"	3.50"	16'	
Blanked-Off B.T. Running Case	5.75"	3.50"	4'	14,652'
Total Depth				14,656'