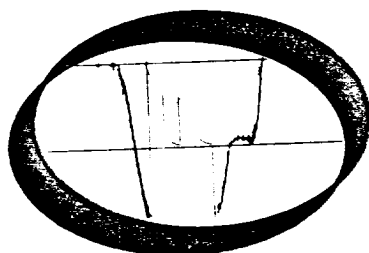


Formation Testing Service Report



HALLIBURTON SERVICES

DUNCAN, OKLAHOMA

FEE

Lease Name

1

Well No.

1

Test No.

10520-10/03

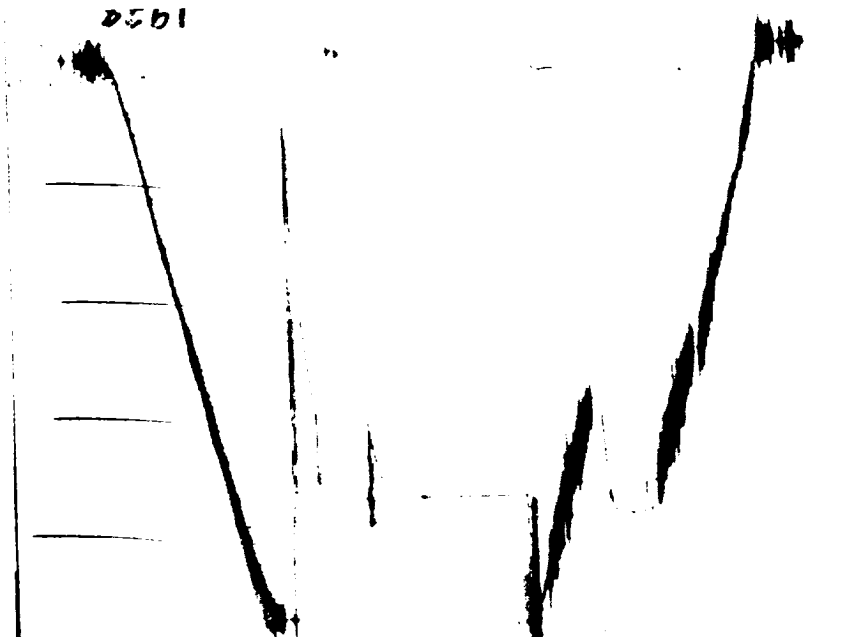
Tested Interval

NOV 03 08:11 AM

Lease Name / Location / Name

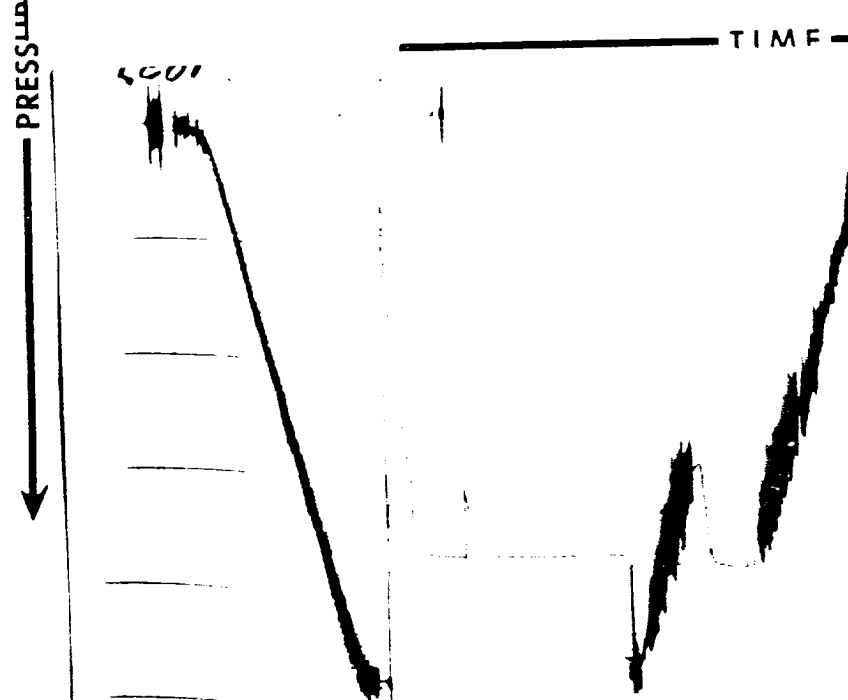
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AUG 16 1971
O.C.D., HOBBS, OFFICE

2551



603720-1928

2001



603720-1927

Each Horizontal Line Equal to 1000 p.s.i.

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FLUID SAMPLE DATA				Date 7-24-79		Ticket Number 603720	
Sampler Pressure 100 P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District HOBBS	
Recovery: Cu. Ft. Gas _____				Tester L. GIBSON		Witness _____	
cc. Oil _____				Drilling Contractor HONDO DRILLING COMPANY DR			
cc. Water 2100				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Wolfcamp			
Tot. Liquid cc. 2100				Elevation 3971' Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval 20' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 10703' Ft.			
Recovery Water 0.087@ 74 °F. 78,000 ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud @ _____ °F. _____ ppm				Drill Collar Length 558' I.D. 2.25"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Drill Pipe Length 10,075' I.D. 3.826"			
Mud Pit Sample @ _____ °F. _____ ppm				Packer Depth(s) 10,512-10,520' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Depth Tester Valve 10,478' Ft.			
Mud Weight 9.0 vis 26 cp							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		Bottom Choke 1/4" .75"	
Recovered	400	Feet of formation water, slightly gas cut, and a trace of oil					
Recovered	8100	Feet of formation water, slightly gas cut					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET							
Q-Questionable							
TEMPERATURE		Gauge No. 1928		Gauge No. 1927		Gauge No. _____	
Depth:		10496 Ft.		10699 Ft.		Ft.	
Est. _____ °F.		24 Hour Clock		24 Hour Clock		Hour Clock	
Blanked Off NO		Blanked Off YES		Blanked Off		Tool _____ A.M.	
Actual 154 °F.		Pressures		Pressures		Opened 0540 P.M.	
		Field Office		Field Office		Opened _____ A.M.	
		Field Office		Field Office		Bypass 1010 P.M.	
		Field Office		Field Office		Reported Minutes	
		Field Office		Field Office		Computed Minutes	
Initial Hydrostatic		4814	4814.8	4963	4940.2		
First Period	Flow Initial	344	532.1	814	793.0		
	Flow Final	3186	3115.6	3285	3223.4	30	31
	Closed in	3775	3789.1	3882	3873.5	60	59
Second Period	Flow Initial	3186	3129.2	3285	3287.3		
	Flow Final	3820	3793.6	3882	3887.3	60	60
	Closed in	3820	3805.0	3882	3898.8	120	119
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic		4814	4814.8	4963	4940.2		

Legal Location
Sec. - Twp. - Rng. **19-16S-35E**

Lease Name

Well No.

Test No.

Tested Interval

Field Area
SOUTH LOVINGTON

County

LEA

State

NEW MEXICO

Lease Owner/Company Name

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Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. **603720**
 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
2000						Tester on location
7-24-79						Picked up tools
0100						
0215						Went in hole
0540		BH				Opened tool with a good blow
0545		BH	2			Increased in blow
0550		BH	3.25			Increased in blow, put on 1/4" choke
0555		1/4"	5			increased in pressure
0600		"	6			"
0605		"	6.5			"
0610		"				Closed tool
0710		"	.25			Opened tool
0715		"	1			Increased in pressure
0720		"	1			No change
0725		"	.75			Slight decrease
0730		"	.5			"
0740		"	0			Decreased to a weak blow, put on bubble hose.
0755		BH				Decreased to a weak blow
0810						Closed tool
1010						Opened by pass, pulled loose
						Pulled out of hole.
1145						Reversed drill pipe

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Gauge No.		1928		Depth		10,496'		Clock No.		7275		24 hour		Ticket No.		603720	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		Third 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"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$
0	.000	532.1	.000	3115.6	.000	3129.2	.000	.000	3793.6	.000	3793.6						
1	.0192*	1519.2	.0099**	3682.5	.0333	3530.6	.395	.395	3805.0		3805.0						
2	.0351	1943.3	.0233	3725.6	.0667	3709.7											
3	.0511	2319.7	.0366	3746.0	.1000	3771.0											
4	.0671	2621.3	.0498	3757.4	.1333	3784.6											
5	.0830	2893.4	.0631	3766.4	.1667	3791.4											
6	.0990	3115.6	.0764	3768.7	.2000	3793.6											
7			.0897	3775.5													
8			.1030	3780.0													
9			.1163	3782.3													
10			.1296	3784.6													
11			.1429	3786.8													
12			.1562	3789.1													
13			.1695	3789.1													
14			.1827	3789.1													
15			.1960	3789.1													
Gauge No.		1927		Depth		10699'		Clock No.		2314		hour		24		Minutes	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	$\log \frac{t + \theta}{\theta}$
0	.000	793.0	.000	3223.4	.000	3287.3	.000	.000	3887.3		3887.3						
1	.0203*	1462.9	.0101**	3774.7	.0338	3625.3	.403	.403	3898.8		3898.8						
2	.0373	1888.8	.0236	3809.2	.0677	3802.3											
3	.0542	2306.4	.0371	3829.9	.1015	3866.6											
4	.0711	2675.1	.0506	3841.3	.1353	3882.7											
5	.0881	2986.1	.0641	3848.2	.1692	3885.0											
6	.1050	3223.4	.0776	3852.8	.2030	3887.3											
7			.0911	3857.4													
8			.1046	3862.0													
9			.1180	3864.3													
10			.1315	3866.6													
11			.1450	3868.9													
12			.1585	3871.2													
13			.1720	3873.5													
14			.1855	3873.5													
15			.1990	3873.5													
Reading Interval		5		4		3 minutes		j-Questionable								Minutes	
REMARKS:																	

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HALLIBURTON SERVICES
MIDLAND DIVISION
HOBBS, NEW MEXICO 88240
LABORATORY WATER ANALYSIS

TICKET NUMBER 603720

No. W79-735

To Hondo Drilling Company

Date 7-25-79

Drawer 2516

Midland, Texas

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Submitted by _____ Date Rec. 7-25-79

Well No. Fee #1 Depth 10,703' Formation Wolfcamp

County Lea Field S. Lovington Source DST #1

	Sampler	Tool Top	Top of Recovery
Resistivity	0.087 @ 74° F.	0.086 @ 74° F.	0.090 @ 74° F.
Specific Gravity	1.088		
pH	6.6		
Calcium (Ca)	5,000		*MPL
Magnesium (Mg)	90		
Chlorides (Cl)	78,000	79,000.	71,000
Sulfates (SO ₄)	2,500		
Bicarbonates (HCO ₃)	270		
Soluble Iron (Fe)	Trace		

Fluid Change - Res. @ 74° F. - 0.094 Chlorides, mcl - 67,000

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

HALLIBURTON COMPANY

cc:

By

W. L. Brewer
CHEMIST

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	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	2"	1'	
Reversing Sub				
Water Cushion Valve	4.5"	3.826"	10075'	
Drill Pipe	6.25'	2.25"	403'	
Drill Collars	5.75"	2.25"	1' Change over	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	5'	10478'
Hydro-Spring Tester				
Multiple CIP Sampler	5"	.75"	4'	
Extension Joint	5"	.87"	10'	
AP Running Case	5"	3.25"	5'	10496'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	10512'
Distributor	5"	1.68"	2'	
Packer Assembly	6 3/4"	1.53"	6'	10520'
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"	1.50 "	4'	
Side Wall Anchor	6s	3"	.48" Change over	
Drill Collars	6.25"	2.25"	155'	
Flush Joint Anchor	5.75"	2.25"	.78' Change over	
Blanked-Off B.T. Running Case	5.75"	3.50"	15'	
Total Depth			5'	10699'
				10703'

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