

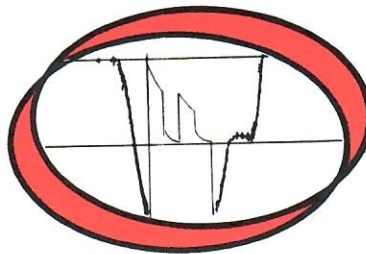
Formation Testing Service Report



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MAY 7 1979

COLO. OIL & GAS CONS. COMM.



HALLIBURTON SERVICES
DUNCAN, OKLAHOMA

610247-200

PRESSURE

TIME

610247-207

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

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MAY 7 1979

FLUID SAMPLE DATA				Date 4-24-79		Ticket Number 610247	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District PERRYTON	
Recovery: Cu. Ft. Gas _____				Tester MR. HERRIN		Witness ???	
cc. Oil _____				Drilling Contractor JIM SNYDER DRILLING COMPANY #2 SMbc S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud 2200 Muddy water				Formation Tested Lansing Sand			
Tot. Liquid cc. 2200				Elevation 4310' KB 4300' GL Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 33' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 3856' Ft.			
Recovery Water @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud 1.2 @ 65 °F. 3360 ppm				Drill Collar Length 490' I.D. 2.5"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Drill Pipe Length 3296' I.D. 4.276"			
Mud Pit Sample @ _____ °F. _____ ppm				Packer Depth(s) 3821' - 3823' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Depth Tester Valve 3794' Ft.			
Mud Weight 9.3 vis 52 sec				Cushion TYPE AMOUNT Depth Back Pres. Valve Surface Choke Bottom Choke			
				ADJ. 3/4"			
Recovered 5 Feet of Muddy water				Meo. From Tester Valve			
Recovered Feet of							
Recovered Feet of							
Recovered Feet of							
Recovered Feet of							
Remarks SEE PRODUCTION TEST DATA SHEET.							
* = Incorrectly read in field.							
TEMPERATURE		Gauge No. 200		Gauge No. 207		Gauge No.	
Depth: 3806' Ft.		Depth: 3853' Ft.		Depth: _____ Ft.		TIME	
24 Hour Clock		24 Hour Clock		Hour Clock		Tool _____ A.M.	
Est. °F. Blanked Off No		Blanked Off Yes		Blanked Off		Opened 0753 P.M.	
3851' Actual 114 °F.		Pressures		Pressures		Opened _____ A.M.	
Pressures		Pressures		Pressures		Bypass 1153 P.M.	
Field Office		Field Office		Field Office		Reported Computed	
Initial Hydrostatic 2571 *		1907.0		2709 *		1899.6	
First Period Flow Initial 29		8.0		29		30.4	
Final 32		11.2		32		32.0	
Closed in 932		921.4		927		931.5	
Second Period Flow Initial 32		17.7		32		35.2	
Final 32		12.9		32		33.6	
Closed in 965		964.7		959		971.3	
Third Period Flow Initial _____		_____		_____		_____	
Final _____		_____		_____		_____	
Closed in _____		_____		_____		_____	
Final Hydrostatic 2571 *		1884.6		2709 *		1875.8	

WILLIAMS
 Lease Name
 1-36
 Well No.
 2
 Test No.
 3823' - 3856'
 Tested Interval
 WEXPRO COMPANY
 Lease Owner/Company Name

Legal Location
 Sec. - Twp. - Rng.
 36 - 33S - 46W
 Field Area
 BACA
 County
 COLORADO
 State

MAY 7 1979

[illegible]

Gauge No. 200			Depth 3806'			Clock No. 17527			24 hour		Ticket No. 610247				
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.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	8.0	.0000		11.2	.0000	17.7	.0000		12.9					
1	.1020	11.2	.0202		24.1	.2000	12.9	.0196		48.3					
2			.0404		120.9			.0392		167.7					
3			.0606		295.1			.0588		317.7					
4			.0808		456.4			.0784		462.9					
5			.1010		589.7			.0980		581.7					
6			.1212		695.4			.1176		676.2					
7			.1414		775.6			.1372		753.1					
8			.1616		836.5			.1568		806.0					
9			.1818		884.6			.1764		846.1					
10			.2020		921.4			.1960		876.5					
11								.2156		902.2					
12								.2352		923.0					
13								.2548		939.0					
14								.2744		953.5					
15								.2940		964.7					

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CO. O. OIL & GAS CONS. COMM.

Gauge No.		207	Depth		3853'	Clock No.		17528	24	hour					
0	.0000	30.4	.0000		32.0	.0000	35.2	.0000		33.6					
1	.1020	32.0	.0201		52.8	.1990	33.6	.0200		64.1					
2			.0402		155.4			.0400		165.0					
3			.0603		323.7			.0600		307.6					
4			.0804		487.1			.0800		440.7					
5			.1005		619.4			.1000		567.3					
6			.1206		711.7			.1200		676.7					
7			.1407		786.6			.1400		756.3					
8			.1608		843.9			.1600		810.5					
9			.1809		890.1			.1800		850.3					
10			.2010		931.5			.2000		882.1					
11								.2200		909.2					
12								.2400		928.3					
13								.2600		945.8					
14								.2800		960.2					
15								.3000		971.3					
Reading Interval			6			6						Minutes			

REMARKS:

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TICKET NO. 610247

MAY 7 1979

O. D.

I. D.

LENGTH

DEPTH

Drill Pipe or Tubing

Reversing Sub

COLD OIL & GAS CONS. COMM.

Water Cushion Valve

Drill Pipe

Drill Collars

Handling Sub & Choke Assembly

Dual CIP Valve

Dual CIP Sampler

Hydro-Spring Tester

Multiple CIP Sampler

Extension Joint

AP Running Case

Hydraulic Jar

VR Safety Joint

Pressure Equalizing Crossover

Packer Assembly

Distributor

Packer Assembly

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

Side Wall Anchor

Drill Collars

Flush Joint Anchor

Blanked-Off B.T. Running Case

Total Depth

5"

6 1/4"

5.87"

5.03"

5"

5"

5.03"

5"

5.06"

5.06"

5.75"

HT-500

5.75"

4.276"

2.5"

.62"

.75"

.75"

3.06"

1.75"

1"

2.25"

2.25"

2.87"

2.50"

3296'

490'

4.66'

6.75'

5.01'

4.14'

5'

2.78'

5.81'

5.81'

25'

4.17'

3794'

3806'

3821'

3823'

3853'

3856'

TEMPERATURE RECORDER CHART



10° each circle

OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{or}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.