

JOHNSON FEDERAL

Lease Name

Well No. 1

Test No. 2

5916-5955'

Tested Interval

SUNDANCE OIL COMPANY

Lease Owner/Company Name

Legal Location
Sec. - Twp. - Rng.

35-11S-26E

Field Area

WILDCAT

County

CHAVES

State

NEW MEXICO

FLUID SAMPLE DATA				Date 1-23-80		Ticket Number 611089	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District ARTESIA	
Recovery: Cu. Ft. Gas _____				Tester PUCKETT		Witness JIM AKINS	
cc. Oil _____				Drilling Contractor WEK DRILLING COMPANY RIG # 3 DR			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested -			
Tot. Liquid cc. _____				Elevation - Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval 15' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 5955' Ft.			
Recovery Water _____ @ _____ ° F. 131,796 ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud _____ @ _____ ° F. 58,566 ppm				Drill Collar Length 640' I.D. 2.25"			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Pipe Length 5242' I.D. 3.340"			
Mud Pit Sample _____ @ _____ ° F. 46,004 ppm				Packer Depth(s) 5910-5916' Ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Depth Tester Valve 5893' Ft.			
Mud Weight 9.6 vis 73 SEC _{CP}				Cushion TYPE AMOUNT Depth Back Surface Bottom			
				Ft. Pres. Valve Choke Adj. Choke .75"			
Recovered 200 Feet of drilling fluid							
Recovered 220 Feet of formation water cut drilling fluid							
Recovered Feet of							
Recovered Feet of							
Recovered Feet of							
Remarks See production test data sheet							
Gas to surface in 17 minutes of final flow period.							
UTR-Unable to read							
TEMPERATURE		Gauge No. 512		Gauge No. 113		Gauge No.	
Depth: 5898 Ft.		Depth: 5951 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 1330 P.M.	
Actual 134° F.		Pressures		Pressures		Opened A.M.	
		Pressures		Pressures		Bypass 1645 P.M.	
		Field Office		Field Office		Reported Computed	
		Field Office		Field Office		Minutes Minutes	
Initial Hydrostatic 3028		2985.4		3061 3010.5			
First Period Flow Initial 52		61.3		53 74.0			
Final 131		126.6		132 145.5		30 29	
Closed in 1864		1901.0		1924 1926.1		60 61	
Second Period Flow Initial 157		180.1		185 202.3			
Final 209		218.0		238 242.0		45 44	
Closed in 1627		1641.1		1660 1671.5		60 61	
Third Period Flow Initial							
Final							
Closed in							
Final Hydrostatic 3028		UTR		3061 UTR			

Casing perms. _____ Bottom choke .75" Surf. temp _____ °F Ticket No. 611089
 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
1330						Opened tool with a fair blow
1335		1/4"	4			Opened to 1/4" choke
1340		"	3			Pressure decreasing
1345		"	1			Pressure decreasing
1350		"	0			No pressure
1355		"				No pressure
1400		"				Closed tool
1500		"				Opened tool with a weak blow
1505		"				Weak blow
1507		3/8"				Opened to 3/8" choke
1510		"				Weak blow
1515		"				Weak blow
1517		"				Gas to surface in 17 minutes
1520		"				Weak blow
1525		"				Bubble
1530		"				"
1535		"				"
1540		"				"
1545		"				Closed tool
1645						By pass

Gauge No. 512		Depth 5898'		Clock No. 16710		Ticket No. 611089	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0 .000	61.3	.000	126.6	.000	180.1	.000	218.0
1 .0143*	67.8	.0254**	708.6	.0311***	169.7	.0252**	623.3
2 .0323	84.8	.0473	1084.2	.0553	184.0	.0469	889.7
3 .0502	97.9	.0692	1294.7	.0795	193.2	.0685	1084.2
4 .0681	109.6	.0910	1446.0	.1036	202.3	.0902	1219.7
5 .0861	118.8	.1128	1562.0	.1278	210.1	.1118	1332.8
6 .1040	126.6	.1347	1658.3	.1520	218.0	.1334	1421.0
7		.1565	1742.7			.1551	1497.3
8		.1784	1813.9			.1767	1556.7
9		.2002	1865.4			.1984	1608.1
10		.2220	1901.0			.2200	1641.1
11							
12							
13							
14							
15							

Gauge No. 113		Depth 5951'		Clock No. 11955		hour 24	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0 .000	74.0	.000	145.5	.000	202.3	.000	242.0
1 .0132*	85.9	.0230**	880.5	.0295***	189.1	.0228**	623.3
2 .0298	103.1	.0426	1102.6	.0524	203.7	.0424	922.5
3 .0463	116.4	.0623	1321.0	.0753	214.2	.0620	1105.2
4 .0629	125.6	.0820	1482.8	.0982	226.1	.0816	1246.0
5 .0794	137.5	.1016	1601.5	.1211	234.1	.1011	1360.5
6 .0960	145.5	.1213	1697.8	.1440	242.0	.1207	1443.4
7		.1410	1778.3			.1403	1518.4
8		.1606	1853.5			.1598	1577.8
9		.1803	1890.5			.1794	1629.2
10		.2000	1926.1			.1990	1671.5
11							
12							
13							
14							
15							

Reading Interval 5		** 7 minutes		***-9 minutes		Minutes	
* -4 minutes		6		7		6	
REMARKS:							

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6.75"	3.00"	1.0'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4"	3.340"	5242'	
Drill Collars	6"	2.25"	640'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5.00"	.87"	4.8'	5888'
Dual CIP Sampler				
Hydro-Spring Tester	5.00"	.75"	5.0'	5893'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	3.06"	4.14'	5898'
Hydraulic Jar	5.03"	1.75"	5.0'	
VR Safety Joint	5.00"	1.00"	2.78'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	5.81'	5910'
Distributor				
Packer Assembly	6 3/4"	1.53"	5.81'	5916'
Flush Joint Anchor	5 3/4"	2.87"	33'	
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	5.75"	2.87"	5'	5951'
Total Depth				5955'