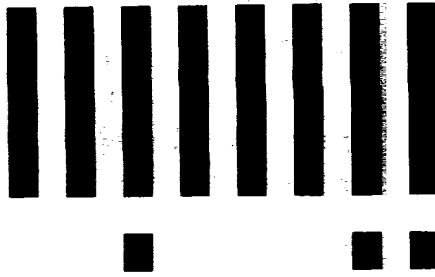


FLUID SAMPLE DATA				Date <u>11-10-79</u>		Ticket Number <u>715808</u>	
Sampler Pressure <u>800</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas <u>8</u> cc. Oil _____ cc. Water _____ cc. Mud <u>400 Gas captured</u> Tot. Liquid cc. <u>400</u>				Kind of Job <u>Open Hole Test</u> Drilling Contractor <u>McVay Drilling Co. Rig # 8</u>		Halliburton District <u>Hobbs</u> Tester <u>D. Williams</u> Witness <u>Mr. P. Johnson</u>	
EQUIPMENT & HOLE DATA							
Gravity _____ ° API @ _____ ° F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY _____ CHLORIDE CONTENT _____ Recovery Water _____ @ _____ ° F. _____ ppm Recovery Mud _____ @ _____ ° F. _____ ppm Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm Mud Pit Sample _____ @ _____ ° F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm Mud Weight <u>10.4</u> vis <u>36</u> cp				Formation Tested <u>Morrow</u> Elevation <u>3780</u> Ft. Net Productive Interval <u>44'</u> Ft. All Depths Measured From <u>K.B.</u> Total Depth <u>13,821</u> Ft. Main Hole/Casing Size <u>7 7/8"</u> Drill Collar Length <u>410'</u> I.D. <u>2.50</u> Drill Pipe Length <u>13,261'</u> I.D. <u>3.826</u> Packer Depth(s) <u>13,220</u> <u>13,713</u> Ft. Depth Tester Valve <u>13,668</u> Ft.			
Casing TYPE <u>H-20</u> AMOUNT <u>2000</u> Ft. Depth Back Pres. Valve _____ Surface Choke <u>Floor Mount Valve</u> Bottom Choke <u>.75</u>							
Recovered _____ Feet of _____		Recovered _____ Feet of _____		Recovered _____ Feet of _____		Recovered _____ Feet of _____	
Recovered _____ Feet of _____		Recovered _____ Feet of _____		Recovered _____ Feet of _____		Recovered _____ Feet of _____	
Remarks <u>184 MCF / DAY</u>							

TEMPERATURE	Gauge No. <u>106</u>		Gauge No. <u>108</u>		Gauge No. <u>5099</u>		TIME	
	Depth: <u>13693</u> Ft.		Depth: <u>13698</u> Ft.		Depth: <u>13867</u> Ft.			
Est. <u>195</u> ° F.	<u>24 5981</u> Hour Clock		<u>48 20515</u> Hour Clock		<u>48 20518</u> Hour Clock		Tool <u>0615</u> A.M.	
	Blanked Off <u>NO</u>		Blanked Off <u>NO</u>		Blanked Off <u>Yes</u>		Opened _____ P.M.	
Actual <u>195</u> ° F.	Pressures		Pressures		Pressures		Opened <u>0651</u> A.M.	
	Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic	<u>7274</u>		<u>7318</u>		<u>7366</u>		Minutes	Minutes
Flow Initial	<u>1119</u>		<u>1086</u>		<u>1183</u>			
	<u>1124</u>		<u>1143</u>		<u>1243</u>			
Flow Closed in	<u>2278</u>		<u>2802</u>		<u>2876</u>		<u>20</u>	
							<u>90</u>	
Flow Initial	<u>1119</u>		<u>1086</u>		<u>1183</u>			
	<u>1450</u>		<u>1486</u>		<u>1508</u>		<u>330</u>	
Flow Closed in	<u>2945</u>		<u>3031</u>		<u>3021</u>		<u>985</u>	
Flow Initial								
Flow Closed in								
Hydrostatic			<u>7318</u>		<u>7366</u>			

Legal Location Sec. - Twp. - Rng. S10 T15 R10E
 Lease Name Hat Mesa
 Well No. 1
 Test No. DSIT 3
 Tested Interval 13,220 - 13,821
 County Lea
 State N.M.
 Lease Owner/Company Name Ross Energy Services



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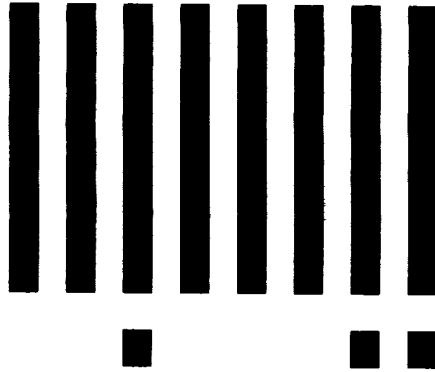


Job separation sheet

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 215802
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date <u>11-11-79</u> Time <u>0615</u> <u>a.m.</u> <u>p.m.</u>	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0615	8 1/4"				open tool work flow
0620	"				work flow
0625	"				slight increase
0630	"				slight increase
0635	"				tool closed
0805	"				open tool Good flow
0815	"				Good increase
0825	"				increase
0835	7 1/4"	2"			steady
0845	"	2"			"
0849	"	5"			increase
0859	"	20"			Good increase
0909	"	44"			Good increase
0915	"	60"			Gas to surface
0925	"	65"			slight increase
0935	"	70			" "
0945	"	"			steady
0949	1"	65"			Good flow
0959	"	"			change to separator operated by
1009	"	"			steady
1019	"	75"			increase
1029	"	110"			Good increase
1039	"	120			increase
1049	"	"			steady
1059	"	140			increase
1109	"	155			increase



LTR



Job separation sheet

File

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