

FAJADA EAST	1	1	4898' - 4923'	SANTA FE ENERGY COMPANY
Lease Name	Well No.	Test No.	Tested Interval	Lease Owner/Company Name
202134	FARMINGTON		12-15-81	6039 - 6040
Ticket Number	Camp	Date		Gauge Number(s)



D-3 GEN-1000

202134-6039

6039 10000 SURF TOP

TIME

202134-6040

6040 12840 2400M BOTTOM

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

TICKET NO. 202134 DATE 12-15-81 HALLIBURTON CAMP FARMINGTON
 LEASE OWNER SANTA FE ENERGY COMPANY bc/pw/vf
 LEASE NAME FAJADA EAST WELL NO. 1 TEST NO. 1
 LEGAL LOCATION 3 - 20 N - 10 W FORMATION TESTED ENTRADA
 FIELD AREA ENTRADA COUNTY SAN JUAN STATE NEW MEXICO
 TYPE OF D.S.T. OPEN HOLE
 TESTER(S) DELL GUNN CHRIS WAGNER
 WITNESS BILLY MC COWEN DRILLING CONTRACTOR 4 CORNERS #2
 DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.) ABOVE GROUND LEVEL
 TYPE AND SIZE OF GAS MEASURING DEVICE 3/4" ADJUSTABLE CHOKE

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____
 TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):

4193' OF TOTAL RECOVERY.

610' OF DRILLING FLUID.

3223' OF SLIGHTLY MUD CUT WATER (SULPHUR SMELL).

360' OF SAND.

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
TOP	.92 @ 79°F	3181	BOTTOM (SAND)	@ °F	
MIDDLE #1	1.1 @ 68°F	3333	SAMPLER (SAND)	@ °F	
MIDDLE #2	1.23 @ 69°F	2969	MUD PIT	1.50 @ 61.5°F	2727

REMARKS:

Did not get to bottom until after hydrospring opened. Had fill -
 skidded 8' to bottom. Recovered extreme amount of sand.
 Tools were plugged, however company man called it a test.
 - SEE PRODUCTION TEST DATA SHEET FOR FURTHER REMARKS -

TICKET NO. 202134 DATE 12-15-81 ELEVATION (FT.) 6285' G.L.
 TOP OF TESTED INTERVAL (ft.) 4898' BOTTOM OF TESTED INTERVAL (ft.) 4923'
 NET PAY (ft.) 4900'-4915' (15') TOTAL DEPTH (ft.) 4923'
 HOLE OR CASING SIZE (in.) 7 7/8" MUD WEIGHT (lb./gal.) 9.1 VISCOSITY (sec.) 47
 SURFACE CHOKE (in.) .75" Adj. BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) 1 (Sanded off) CUBIC FT. OF GAS _____
 C.C.'s OF OIL _____ C.C.'s OF WATER _____ (Full of
 C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s sand).

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE _____
 ACTUAL 134
 DEPTH (ft.) 4919'
 H.T.-500 ☐; THERMOMETER ☒;
 T.E. OR R.T.-7 ☐; OTHER ☐
 SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY CHRIS WAGNER DATA APPROVED BY MARVIN LAMAN

RECORDERS	GAUGE NUMBER	6039	6040			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	1526
	GAUGE DEPTH (ft.)	4876	4919			DATE	12-15-81
	CLOCK NUMBER	14128	13840			BYPASS OPENED	2040
	CLOCK RANGE (HR.)	24	24			DATE	12-15-81
PRESSURES	INITIAL HYDROSTATIC	2283.6	2310.7			PERIOD	MINUTES
	INITIAL FLOW	976.2	1559.3			XXX	XXX
	1st. FINAL FLOW	2172.0	2199.9			1st. FLOW	31.8
	CLOSED-IN	2179.5	2204.2			1st. C.I.P.	60.8
	INITIAL FLOW	2179.5	2204.2			XXX	XXX
	2nd. FINAL FLOW	2179.5	2206.9			2nd. FLOW	90.2
	CLOSED-IN	2183.2	2206.9			2nd. C.I.P.	131.2
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN	UTR=Unable to read				3rd. C.I.P.	
PRESSURES	FINAL HYDROSTATIC	UTR	2286.8			XXX	XXX

Casing perf. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 202134
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date 12-15-81 Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1600					On location.
1700					Picked up and made up tools.
1715					Went in hole with DST #1.
1730					Hooked up surface equipment. On bottom
1745					Opened tool - slipped too far - pulled
1755					back up - added 30'.
1810					On bottom again.
1825	BUBBLE HOSE				Opened tool - no blow.
1840					No blow.
1855					Closed tool. Found out nipple was
1910					busted in Derrick. (No blow at
1925					surface).
1940					Reopened tool - no blow.
1955					No blow.
2010					No blow.
2025					No blow.
2040					No blow.
2055					No blow.
2110					Closed tool - no blow.
2125					Pulled off bottom - appears to be
2140					stuck.
2155					Coming free - tools out of hole with
12-16-81					DST #1. Hit fluid 4193'.
0215					Break-down and loaded tools.

SANTA FE ENERGY COMPANY
Lease Owner/Company Name

202134
Ticket Number

B.T. 6039

B.T. 6040

B.T. _____

Depth 4876'

Depth 4919'

Depth _____

Time (minutes)	Log $\frac{t-t_i}{t}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t-t_i}{t}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t-t_i}{t}$	PSIG Temp. Corr.
FIRST FLOW...			FIRST FLOW...					
0		976.2	0		1559.3			
5		1867.8	5		2043.9			
10		2060.0	10		2134.6			
15		2132.7	15		2178.5			
20		2160.4	20		2192.4			
25		2167.7	25		2197.0			
30		2171.1	30		2199.6			
31.8		2172.0	31.8		2199.9			
FIRST CIP...			FIRST CIP...					
0		2172.0	0		2199.9			
10		2173.9	10		2202.6			
20		2174.9	20		2202.6			
30		2175.9	30		2202.6			
40		2175.9	40		2203.4			
50		2175.9	50		2203.4			
60.8		2179.5	60.8		2204.2			
FINAL FLOW...			FINAL FLOW...					
0		2179.5	0		2204.2			
90.2		2179.5	90.2		2206.9			
FINAL CIP...			FINAL CIP...					
0		2179.5	0		2206.9			
131.2		2183.2	131.2		2206.9			
		-						

Remarks: _____

Tool Description	O.D.	I.D.	Length	Depth
Drill Pipe	4.5"	3.826"	4278'	
Drill Collar	6.25"	2.25"	494'	
Reversing Sub	6"	3"	1'	4776'
Drill Collar	6.25"	2.25"	90'	
Crossover	6"	3"	1'	
Dual CIP Sampler	5.03"	.87"	7'	
Hydrospring Tester	5"	.75"	5'	4875'
AP Running Case	5"	2.25"	4'	4876'
Jars	5.03"	1.75"	5'	
V.R. Safety Jt.	5"	1"	3'	
Packer	6.75"	1.53"	6'	4892'
Packer	6.75"	1.53"	6'	4898'
Perforated Anchor	5.75"	3"	19'	
B.T. Running Case	5.75"	2.44"	4'	4919'
TOTAL DEPTH				4923'