

Simpson A Com. #1  
Eddy County, New Mexico

RECEIVED

JUN 26 1974

DST No. 1:

9000-9040' (40') Wolfcamp, 3/4" BHC, adj. top choke, no water blanket.

Tool opened with very good blow with gas to surface in 5 mins.

O. C. C.  
ARTESIA OFFICE

<u>Time</u>	<u>Choke</u>	<u>Surface F. P.</u>	<u>Gas Volume</u>
5 mins.	3/8"	130 psig	527 MCFD
10 mins.	3/8"	165 psig	612 MCFD
15 mins.	3/8"	165 psig	612 MCFD

Closed tool for 90 min. ISIP. Reopened tool for 90 min. flow period with a good blow of gas on 1/4" surface choke. Pressures and volumes as follows:

<u>Time</u>	<u>Choke</u>	<u>Flowing Pressure</u>	<u>Gas Volume</u>	<u>Remarks</u>
5 mins.	1/4"	20 psig	73 MCFD	Flowing into pit
10 mins.	1/4"	30 psig	138 MCFD	"
15 mins.	1/4"	30 psig	155 MCFD	"
18 mins.	1/4"			Distillate to surface
20 mins.	3/8"	100 psig	340 MCFD	Flowing into pit
25 mins.	3/8"	150 psig	510 MCFD	"
30 mins.	3/8"	300 psig	600 MCFD	"
35 mins.	3/8"	400 psig	660 MCFD	"
40 mins.	1/2"	400 psig	825 MCFD	"
45 mins.	1/2"	400 psig	825 MCFD	"
50 mins.	1/2"	400 psig	825 MCFD	"
55 mins.	1/2"	460 psig	975 MCFD	"
60 mins.	1/2"	465 psig	975 MCFD	Turned thru sep. Took gas sample.
65 mins.	1/2"	475 psig	990 MCFD	335 psig back press.
70 mins.	1/2"	475 psig	990 MCFD	"
75 mins.	1/2"	480 psig	1005 MCFD	"
80 mins.	1/2"	480 psig	1005 MCFD	"
85 mins.	1/2"	480 psig	1005 MCFD	"
90 mins.	1/2"	480 psig	1005 MCFD	"

Recovered 22 bbls. yellowish green 44.6 API at 60° distillate during 1/2 hr. flow period through separator. No water to surface. Closed tool for 120 min. FSIP. Pulled tool loose. Reversed out 6400' gas and 2500' (35 bbls.) distillate. Below circ. sub recovered 90' distillate. Sample chamber at 8977' contained 11 cu. ft. gas and 925 cc of 45.5 API gr. at 60° distillate at 1400 psig (GOR 1888 cu. ft./bbl.) BHP's as follows:

	<u>Top Chart 8982'</u>	<u>Bottom Chart 9036'</u>
IMCP	4776#	4773#
IF (15 min.)	773-959#	905-1002#
ISIP (82 min.)	4630#	4618#
FF (87 min.)	919-1679#	956-1702#
FSIP (117 min.)	4394#	4355#
FMCP	4772#	4766#
BHT	150° F.	150° F.