

WRG Western Gallup
PW-3 well log

WELL # 3

Page 1 of 2 Pages Marathon Petroleum Company

OWNER Shell Oil Company

PAUL HUBBELL

P. O. Box 969

LOCATION Ciniza Refinery

GALLUP DRILLING CO.

Phone 863-3515

Gallup, New Mexico 87301

CUSTOMER PHONE 722-3833

DATE 5/16/79 --

DEPTH	FORMATION	DEPTH	FORMATION
0-4	Top Soil and gravel		with 325 sacks of cement, Left
4-14	Sand & Gravel		16" Pipe in place.
14-24	Red and purple shale	612-685	Red to rusty sandstone, flowing hole
24-38	Red Shale (set 38' of 20"OD Pipe)		100 GPM @ 685.
38-130	Multi Colored shales	685-735	Hard Sharp Pink sandstone (no
130-150	Red Sandstone (Water 25GPM, Soft)		water.)
150-207	Multi Colored shale (hole caving bad, set 207' of 18" OD Pipe)	735-745	Pink Sandstone (20 GPM increase)
207-312	Multi Colored Shale (caving bad)	745-765	Hard white sandstone, no water
312-363	Red Shale (Caving) Set 363' of 16" OD, 250 Wall.	765-815	Pink sandstone (100 GPM increase)
363-456	Red Shale	815-845	Hard sharp white sandstone (no water).
456-490	Purple Shale	845-850	Softer, little increase.
490-570	Red Shale	650-860	Hard sharp sandstone, white
570-612	Red Silty Sandstone, hole started filling with water @ 612', water came to surface. Ran 612' of 14" OD Pipe & cemented to surface	860-877	Water sand
		877-903	Hard pink sandstone (no water)
		903-907	Pink Sand (Increase)
		907-915	Hard Sharp Pink Sandstone
		915-917	Water Sand (Increase)

CASING	SIZE	TYPE	T.D.	PUMP	SIZE	MAKE	T.D.
	16"OD	P-E(250W)	363'				
	14"OD	P-E(375W)	612'				
	12 3/4" X 2"OD	P-E(307W)	606-846'				

PERFORATIONS FROM 612 TO 846
 6) 1/4"x6" slots TO _____
 to the foot. TO _____

GALLUP DRILLING CO.
DRILLER _____

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<u>DEPTH</u>	<u>FORMATION</u>	<u>DEPTH</u>	<u>FORMATION</u>
17-928	Hard sharp pink sandstone		
28-931	Soft Sandstone white (Big increase) to 440 GPM total.		
31-1015	Hard sharp red sandstone, no increase.		
015-1020	Red shaley fine grained sandstone.		
	When finished well flowed 440 GPM, with 65# shut in pressure, which will give approximately 3 gal. per foot of draw down.		

CASING	SIZE	TYPE	T.D.	PUMP	SIZE	MAKE	T.D.
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

PERFORATIONS FROM _____ TO _____
 _____ TO _____
 _____ TO _____

GALLUP DRILLING CO.

DRILLER Paul F. Hubbell, Paul D. Hubbell,
Fred H. Hubbell