

P-W

Armour Properties-Paulsell #4  
NE/4-NE/4 Sec23-Twp19N-25E 1-62  
Apache, County No Permit

1-62

County Apache

Area Pinta

Lease No. Paulsell Fee

Well Name Armour Properties Paulsell #4

Location NE/4 Sec 23 Twp 19N Range 25E Footage 2150 SW of #3

5486 Spud Complete Total

Elev 5486 KB Date Abandon Depth 776

Approx. Cost \$

Contractor:

Drilled by Rotary X  
Cable Tool

Casing Size	Depth	Cement	Production Horizon
			Initial Production

REMARKS: All meas. from ground level.  
Air drilled to 160'; then mix mud.

955 Moccasin @ 607' Cocanino 774

Elec. Logs	Sample Log
Applic to Plub	Sample Descript <u>X</u>
Plugging Record	Sample Set
Completion Report	Cores

Water well - accepted by

Bond Co. & No.

Bond Am't \$ Canceled Date Organization Report

Filing Receipt dated Well Book Plat Book

Loc. Plat Dedication

API # 02-001-00077

PERMIT NO. None Date Issued

1-62

Armour Properties  
Paulsell #4  
Apache County, Arizona

Location: NE/C Section 23 T19N  
R.25E, 2150' SW of #3

Elevation: All drlg. measures  
from ground  
G 5486

DEPTH		
From	To	
0	10	Surface sand and clay
	20	Same
	30	Pink and red silty shale
	40	Blue shale and pink shale
	50	Red and blue moist shale
	60	Pink and gray shale with some greenish shale
	70	Pink and red shale with trace dirty shaley sand dry
	80	As above
	90	Pink silty shale
90	100	Red shale with some blue shale
	10	Red, pink, and bluish gray shale
	20	As above
	30	Blue shale with some red and pink shale
	40	As above
	50	Coarse sand and gravel (top at 145') Est. 5-10 gal/min very salty water
	60	As above
	70	As above
	80	Red and blue shale with some green shale
	90	As above
190	200	Pink, gray and purple shale with some tan bentonitic shale
200	10	Pink shale and bluish gr. silty shale
	20	As above
	30	Bluish gray silty shale and red shale
	40	Red shale and gray shale
	50	As above
	60	As above
	70	Red shale, bluish gr. shale, and brown shale
	80	As above
	90	Red shale with some purple shale (red shale, sl. silty)
290	300	As above
	10	Pink and gray shale with some olive green shale
	20	As above
	30	Red silty shale with trace brown siltstone
	40	As above
	50	Red and green shale, sl. silty
	60	As above
	70	Pink and purple shale with trace coarse rounded qtz. grains. No porosity.
	80	As above
	90	Pink and red shale
390	400	As above with some bluish gr. shale
400	10	Pink, red, and bluish gr. shale
	20	As above
	30	Pink and green shale with some blue gray shale
	40	As above
	50	Red and blue shale with trace hd. fine gr. tite dirty gray sand. No porosity.
	60	As above
	70	Pink and purple shale with some tan bentonitic shale
	80	As above
	90	As above
490	500	Pink and brown shale with some blue shale
	10	As above
	20	Red and blue shale
	30	As above with some large rounded frosted qtz. grains in bentonitic shale. No porosity.
	40	As above
	50	Pink, blue and greenish shale
	60	As above
	70	Bluish gray shale with some pink silty shale
	80	Red silty shale with some olive green shale
	90	As above
590	600	Green shale and tan bentonitic shale
600	10	Pink and green shale and some red silty shale (drilling time increase @607)
	20	Red sticky shale and trace bluish gray shale (drlg. mud change to brick red) Poss Moenkopi top @ 607
	30	Dark red sticky shale
	40	As above with some blue shale
	50	As above
	60	As above with more blue shale
	70	As above with some purple silty shale
	80	Red silty shale and few coarse qtz. grains in shale matrix, no porosity
	90	As above
690	700	Red sticky shale and blue shale
	10	As above

Air Drill to 160' Then Mix Mud.

Armour Properties  
 Paulsell #4  
 Apache County, Arizona

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DEPTH	
From	To
700	20
	30
	40
	50
	60
	70
Total Depth	776

As above with more blue shale  
Red silty shale with some purple sticky shale  
As above  
Red shale, blue shale, and purple shale  
As above  
Red shale and blue silty shale  
Light brown clean friable por. rounded sand. Top coc. 774

No permit

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